



# **2022 Virginia Toxics Release Inventory Report**

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**Summary of Data from 2022 Industry Reports**



**March 2024**

## **Mission and Programs**

It is the mission of the Virginia Department of Environmental Quality (DEQ) to protect the environment in order to promote the health and well-being of Virginians. To this end, DEQ implements numerous programs that range from the media-specific (air quality, water quality and waste management) to particular areas (such as the Chesapeake Bay and the Virginia Coastal Zone Management Area), to more specific programs (such as Small Business Assistance and Citizen Water Quality Monitoring). DEQ is committed to pollution prevention and elimination, or reduction of waste, at the source of generation. An example of a pollution prevention program is the Virginia Environmental Excellence Program, which encourages businesses and organizations to go beyond legal requirements and adopt environmental management systems.

All sectors of government, businesses and industry – and Virginia’s citizens – have a role in managing and controlling the release of toxic chemicals in the Commonwealth of Virginia.

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## Summary

In March of each year, the Virginia Department of Environmental Quality (DEQ) publishes the Virginia Toxics Release Inventory (TRI) Report, pursuant to Virginia Code § 10.1-1186.1. The TRI program continues to fulfill its goal of providing chemical use, release and waste management information to the public. The report contains information on the release or other management of listed chemicals and chemical categories as reported by Virginia industries in specified industrial sectors and by federal facilities located within the commonwealth. Facility reports are required by Title III of the federal Superfund Amendment and Reauthorization Act (SARA Title III), also known as the Emergency Planning and Community Right-to-Know Act (EPCRA). The Virginia TRI Report is a multi-media report covering air, water, and waste management activities. It also addresses a variety of handling practices, including releases, recycling, energy recovery, and on- and off-site treatment and disposal. The 2022 TRI data represents the 35<sup>th</sup> year of data collection from facilities for distribution to the public.

This year's Virginia TRI Report covers calendar year 2022, which is the most recent year of available data. The report includes all reports and revisions received by DEQ on or before Jan. 4, 2024.

Between 2009 and 2019 there has been an overall decrease of 43.59% in the total amount of TRI reportable chemicals released to the environment as shown in the table in Appendix E. Table 6 shows the comparison between 2021-2022, with a decrease in releases of 5.51 %, and 2020-2022, with a decrease in releases of 9.66 %.

For 2022, 430 Virginia facilities filed 1,249 individual reports on the release, transfer, or management of TRI chemicals or chemical categories. Compared to calendar year 2021 this was an increase in the number of facilities reporting (422 facilities) and a decrease in the number of reports received (1,259 reports). In 2022, Virginia facilities reported the release, transfer, or management of 124 of the more than 700 chemicals and chemical categories which are subject to the TRI reporting requirements.

According to the reports, Virginia facilities reported the release, transfer, or on-site management of 509.15 million pounds of TRI chemicals during calendar year 2022 (a 1.18 % decrease from 2021).

Of the total of TRI chemicals reported:

- 25.57 million pounds were released on-site (a 5.51 % decrease from 2021);
- 58.61 million pounds were transferred off-site for treatment, recycling, energy recovery, or disposal (a 7.39 % increase from 2021); and
- 424.97 million pounds were managed on-site by treatment, recycling, or energy recovery (a 1.99 % decrease from 2021).

TRI reports for 2022 show a decrease in releases to water. Results from the most recent TRI data show the total amount of TRI chemicals as released:

- The total amount released to air for 2022 increased by 110,584 pounds (0.80 %) compared to 2021.

- The total amount released to water for 2022 decreased by 1.78 million pounds (15.00 %) compared to 2021.
- The total amount released to land for 2022 increased by 185,690 pounds (14.98 %) compared to 2021.

The report addresses separately those TRI chemicals the U.S. Environmental Protection Agency (EPA) has designated as Persistent Bio-accumulative Toxins (PBTs). These chemicals remain in the environment for long periods, are not readily destroyed, and build up or accumulate in body tissue. Risk to human health depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Chemical releases are managed by a variety of environmental permits.

According to the 2022 PBT reports:

- 236,763 pounds of PBT TRI chemicals were released on-site at reporting Virginia facilities (a 2.01 % increase from 2021);
- 639,854 pounds of PBT TRI chemicals were transferred off-site for treatment, recycling, energy recovery, or disposal (a 7.02 % increase from 2021); and
- 947,344 pounds of PBT TRI chemicals were managed on-site by treatment, recycling, or energy recovery (a 6.09 % increase from 2021).

Dioxins and dioxin-like compounds account for 0.19 % of the PBT chemicals released, transferred, or managed by Virginia facilities during calendar year 2022. For 2022 there were 25.57 grams (approximately 0.06 pounds) of dioxin and dioxin-like compounds released, transferred or managed by Virginia facilities.

As required by statute, the report also provides information by industrial sector (identified by the North American Industry Classification System), facility, and facility location (jurisdiction). For 2022, three reporting industrial sectors accounted for 73.64 % of the total on-site releases to the environment. The top three reporting industrial sectors were: Chemical Manufacturing, Paper Manufacturing, and Utilities. The text of the report provides additional information about the industrial sectors, facilities, and jurisdictions with the largest reported on-site release, on-site management, and other management of TRI chemicals.

The report provides the public with information concerning specified toxic chemicals and chemical compounds that are manufactured, processed, or otherwise used at Virginia facilities. Responsible use of the information can help the public and industry identify potential concerns and develop effective strategies for reducing toxic chemical usage and release. The TRI data does not, however, represent a measure of public exposure to chemicals, nor does it assess risk.

The overwhelming majority of the releases are regulated and permitted under other state and federal programs that are designed to protect human health and the environment. These programs include federal programs such as the Clean Air Act (CAA), Clean Water Act (CWA), and the Resource Conservation and Recovery Act (RCRA) and accompanying state laws such as the State Water Control Law, Air Pollution Control Board Law, and Virginia Waste Management Act. These programs include

overall restrictions and standards established through permits or other applicable requirements. Information on the permit programs can be found at the following web address:  
<https://www.deq.virginia.gov/permits-2>.

Because of differences in report generation schedules and receipt of reports, the information in the Virginia TRI Report will not precisely match the information in the national Toxics Release Inventory - Public Data Release, located at <https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>, as published by EPA.

## **Introduction**

### **Part One - Virginia TRI Reporting**

#### **Statutory and Regulatory Basis**

The Virginia TRI Report is published annually pursuant to Virginia Code § 10.1-1186.1. The TRI Report contains information on the release, transfer, or management of listed chemicals and chemical categories, as reported by more than 400 Virginia industries and federal facilities. The facilities are required to submit their reports pursuant to the federal Emergency Planning and Community Right-to-Know Act (EPCRA), also known as SARA Title III.<sup>1</sup> Virginia Code § 10.1-1186.1 directs DEQ to publish the Virginia TRI Report in March of each year and to include information for the most recent calendar year for which data are available, in this case, the calendar year 2022. The Virginia Code also directs the report to be organized by chemical, facility, facility location, and standard industrial classification (SIC) code. Federal regulations require facilities to submit their TRI reports to the U.S. Environmental Protection Agency (EPA) and to the Commonwealth. The Virginia TRI Report is compiled directly from the reports received from Virginia facilities.

A glossary of terms used in the Virginia TRI Report is included as Appendix A.

#### **Current Year (2022) Virginia Facility Reports**

Facilities are required to submit their reports for a calendar year by the following July 1<sup>st</sup>. For example, facilities were required to file their reports on their calendar year 2022 activities on or before July 1, 2023. Therefore, data for calendar year 2022 is the most recent available for the March 2024 report. This TRI Report includes all facility reports and revisions received by DEQ on or before Jan. 4, 2024.

For reporting year 2022, 430 Virginia facilities filed 1,249 individual reports on the release or other management of TRI chemicals or chemical categories, compared to 422 facilities and 1,259 reports that were filed for reporting year 2021. Data for all reporting years are available to the public from DEQ.

A digital copy of the current reporting year 2022 TRI report and appendices, as well as reporting years 2019-2021 TRI reports, are available at: <https://www.deq.virginia.gov/our-programs/land-waste/superfund-amendments-and-reauthorization-act-sara/toxics-release-inventory>

In 2022, Virginia facilities reported the release, transfer, or management of 124 of the more than 700 chemicals and chemical categories, which are subject to TRI reporting requirements.

#### **Changes to the 2022 Virginia TRI Report**

Continuing the policy changes which began with the 2002 report, in November 2022 EPA finalized a rule to update the list of North American Industry Classification System (NAICS) codes subject to reporting under the Toxics Release Inventory (TRI) to reflect the Office of Management and Budget (OMB) 2022 NAICS code revision. EPA has implemented the 2022 NAICS codes for TRI Reporting Year 2022.

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<sup>1</sup> 42 U.S.C. § 11023, or SARA § 313



Assessing risk is beyond the scope of the report and is subject to site-specific interpretations and calculations. Readers are encouraged to use the resources listed in the report, appendices, and other data to analyze the overall use, release, and management of TRI chemicals.

Virginia is one of 37 states participating in the State Data Exchange program for online data collection of TRI reports. States which join the TRI State Data Exchange can save resources by sending all of their data electronically via the Central Data Exchange (CDX). Participating states may be viewed at the following site <https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-exchange>.

## **Part Two - National Toxics Release Inventory Reporting Program**

### **The National Toxics Release Inventory**

The National Toxics Release Inventory was established to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. The Virginia TRI Report is compiled directly from reports Virginia facilities submit under federal law and regulations.<sup>2</sup> Using those same authorities, EPA compiles and maintains nationwide information in the *Toxics Release Inventory – National Analysis*, which is available to the public on EPA’s website at <https://www.epa.gov/trinationalanalysis>. From inception, the national TRI program and Virginia’s program have been expanding and evolving to meet the needs of an informed public. A list of supplementary resources on the program can be found in Appendix B and more detailed information about the historical changes to the TRI program can be found in Chapter Four.

### **Facilities Which Must Report**

Under the national TRI program, a facility must submit a TRI report (or reports) to EPA and the state for the reporting year if:

- 1) The facility has 10 or more full-time employees** (a combined total for all employees of 20,000 hours or more for the year);
- 2) The facility’s primary business is within one of the covered North American Industrial Classification System (NAICS) codes.** The covered industry sectors include metal mining, coal mining, paper and allied products, chemicals and allied products, petroleum terminals and bulk stations and others. The complete list of covered industry groups is provided in Appendix H; and
- 3) The facility manufactured, processed, or otherwise used a reportable toxic chemical in quantities greater than the established threshold during the course of a calendar year.** The annual reporting thresholds for non-PBT TRI chemicals are 25,000 pounds for manufacturing, 25,000 pounds for processing, and 10,000 pounds for "otherwise use." For PBT chemicals, the thresholds for reporting are lower and vary by chemical. For example, dioxin and dioxin-like compounds have a threshold of 0.1 grams, while lead and lead compounds have a reporting threshold of 100 pounds. For PBT chemicals, these lower reporting thresholds apply whether the chemical is manufactured, processed, or otherwise used.

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<sup>2</sup> The national TRI was established under Title III, Section 313, of the Federal Superfund Amendments and Reauthorization Act (SARA), which is also known as the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), 42 U.S.C § 11023. The related federal regulations are found at 40 CFR Part 372.

A TRI reporting threshold screening tool is available on EPA's website at the following address:  
<https://www.epa.gov/toxics-release-inventory-tri-program/tri-threshold-screening-tool>.

Federal facilities also are required to comply with EPCRA and the Pollution Prevention Act (PPA) of 1990, in accordance with Executive Order 13148. The Executive Order requires all federal facilities which manufacture, process, or otherwise use any listed EPCRA Section 313 chemical above the reporting threshold to submit a TRI report. The first federal facility reports were submitted on or before July 1, 1995, for calendar year 1994.

### **Chemicals and Chemical Categories**

For a chemical or chemical category to remain on or be added to the TRI list, the chemical must be known to cause or to reasonably be anticipated to cause one of the following:

- Adverse acute health effects at significant concentration levels beyond facility boundaries as a result of continuous or frequently occurring releases;
- Cancer in humans; or
- A significant adverse effect on the environment because of the chemical's toxicity and persistence in the environment.

As new chemicals of concern are identified, they are added to the TRI list. Conversely, if TRI chemicals are found not to meet the toxicity requirements, they can be deleted. Currently, the reportable TRI chemical list contains more than 700 chemicals and chemical categories. A complete list of TRI chemicals and chemical categories for calendar year 2022 reports is available to the public on EPA's website at <https://www.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals>.

For 2022, Virginia facilities reported the release, transfer, or management of 132 of the more than 700 chemicals and chemical categories which are subject to the TRI reporting requirements.

### **Reporting Forms and Activities Which Must Be Reported**

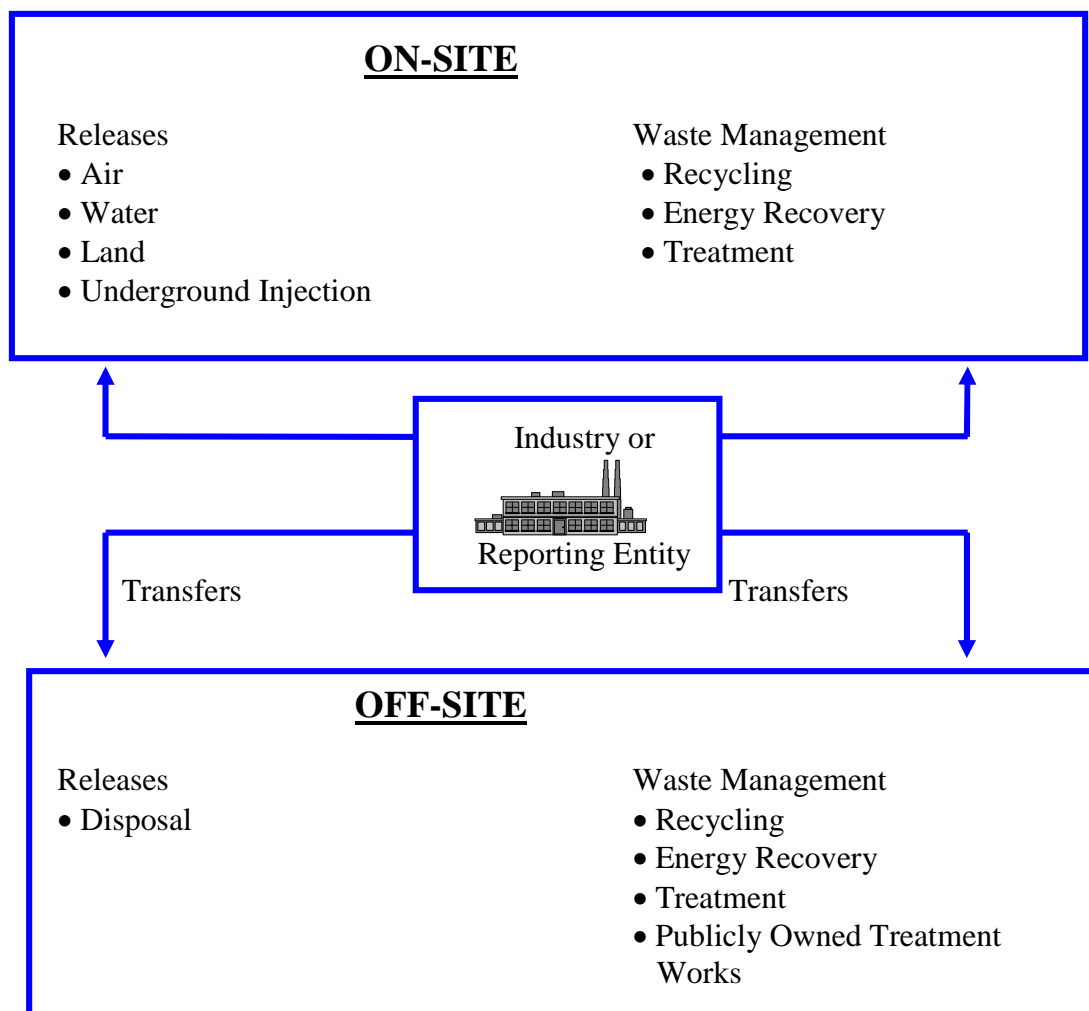
Each year, reporting facilities submit one reporting form for each TRI chemical or chemical category which is manufactured, processed, or otherwise used in amounts equal to or greater than the threshold values. For each TRI chemical or chemical category, facilities must submit either a Form A (simplified form) or a Form R (long form). Examples of both forms for reporting year 2022 are provided in Appendix D. Form A has restrictions governing its use.

- The TRI Electronic Reporting Rule, effective January 21, 2015, now requires facilities to use EPA's Automated TRI Reporting Software TRI-Made Easy (TRI-ME) to submit the information electronically online via CDX.
- Reports containing trade secrets or revisions to reports previously containing trade secrets must still be submitted to EPA and Virginia via hard copy.
- The 2009 Omnibus Appropriation Act has returned TRI reporting requirements to the rules in effect prior to the TRI Burden Reduction Rule, announced in December 2006. The change requires that reports on PBT chemicals be submitted on the Form R.

- For all other chemicals, the shorter form, Form A, may be used only if the “annual reporting amount” is 500 pounds or less and the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Data used to prepare quantitative information in the Virginia TRI Report come principally from Part II of the Form R reports, and specifically from Sections 5, 6, 7 and 8 of Part II, Form R. These sections are referred to throughout the Virginia TRI Report and are described below:

- **Section 5: Quantity of toxic chemical entering each environmental medium on-site.** Release reporting for on-site releases is broken down into categories: releases to the air (from stack and fugitive emissions), releases to water (on-site via Virginia Pollutant Discharge Elimination System (VPDES) permitted outfalls and to publicly owned treatment works (POTWs)), and releases to land (underground injection, disposal to land, Resource Conservation and Recovery Act (RCRA) Subtitle C landfill, other landfills, land treatment/application farming, surface impoundment, or other disposal).
- **Section 6: Transfers of the toxic chemical in wastes to off-site locations.** Section 6 contains two main subsections: transfers to POTWs and transfers to all other off-site locations (in-state or out-of-state). Facilities are required to provide the name and location of off-site locations, the quantity transferred, and the method of management (treated, disposed, recycled, or burned for energy recovery).
- **Section 7: On-site waste treatment methods and efficiency (including energy recovery processes and recycling processes).** Facilities are asked to provide mostly qualitative information about the on-site treatment processes, the estimated range of influent concentration, and the efficiency of the operation.
- **Section 8: Source reduction and waste management.** Section 8 was added to the Form R reporting as a result of the federal Pollution Prevention Act of 1990 to track production-related activities. Section 8 extracts and re-aggregates data reported in Sections 5 through 7 into environmental releases (production-related on-site and off-site releases), off-site transfers/management, and on-site management. Where Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for related quantitative data. Section 8 and its subsections also request previous year reporting and future year estimates for production-related releases, transfers for off-site management, and on-site management. Other subsections of Section 8 ask for episodic/catastrophic releases (non-production related), qualitative information about source reduction activities, and a production ratio or activity index to better gauge the facility’s efforts in source reduction. The flow chart (Figure 1) on the following page illustrates the information collected on Form R for TRI chemicals.

**Figure 1 - Schematic Diagram of the TRI Data Collected**

### **Part Three - Uses and Limitations of TRI Data**

The Virginia TRI Report provides the public, especially local emergency planning committees, with information concerning designated toxic chemicals and chemical categories manufactured, processed, or otherwise used at facilities, including the amounts released to the environment and managed as wastes.

Industry can use the data to: obtain an overview of use and release of toxic chemicals, identify and reduce costs associated with toxic waste, identify promising areas for pollution prevention, establish reduction targets, and measure and document progress toward reduction goals.

The public availability of the data has assisted many facilities in working with their communities to develop effective strategies for reducing environmental and human health risks that may result from toxic chemical releases.

Nevertheless, there are limitations on the use of TRI data:

1. The TRI Report contains reported information on the quantities of chemicals released and managed, not the public's exposure to, or risk from, the chemicals. Due to the limited nature of TRI data collected, readers are strongly discouraged from making any health or environmental risk/exposure assessments from the information presented. Risk to human health by a chemical release depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Furthermore, chemicals reported for the TRI Report are not weighted by their toxicity. For example, a pound of one substance may be more toxic or hazardous than 1,000 pounds of another. Most of the releases are permitted under other federal and state regulatory programs such as the CAA, CWA and RCRA. Data from these regulatory programs may provide additional information to better inform residents about their environment.
2. The TRI program captures only a portion of all toxic chemical releases in Virginia. The TRI reporting program does not account for TRI chemicals from most non-manufacturing facilities, facilities with fewer than 10 employees, facilities that do not meet the chemical quantity thresholds, other non-industrial sources, or transportation-related emissions.
3. The majority of facilities report TRI data based on estimates. The TRI program does not require facilities to monitor releases, only to use best available data in the facilities' estimates. Using different methods to estimate data can result in significant variability from one facility to another, as well as from one year to the next.
4. Patterns of releases and other waste management activities can change significantly from one year to the next. Thus, the data in this report for a specific facility may differ from those reported for a prior year. Although many facilities utilize Environmental Management Systems to improve efficiency and reduce waste, higher production often leads to higher releases.
5. Direct comparison between figures in the current year's report and figures in past Virginia TRI Reports is discouraged because of changes in reporting requirements and the authorized incorporation of revisions to previous years' data. Several historical comparisons, with appropriate standardization of data, are provided in Chapter 4 and Appendix E.
6. EPA is required by law to compile an annual *Toxics Release Inventory – National Analysis* for the nation. The data in the Virginia TRI Report is anticipated to not completely correspond to the data published by the EPA. Contributing factors include: differing dates on which data are extracted for processing, revised facility reports, and facilities which mistakenly report to the Commonwealth or EPA but not both. DEQ and EPA continue to work together to rectify such differences.

The data for calendar year 2022 show a decrease (1.18%) in the amount of TRI chemicals released on-site, transferred off-site and managed on-site from 2021 (see Chapter 4 for the 2020-2022 comparison table). There has been a downward trend in the amount of TRI chemicals released to the environment in Virginia since the implementation of the TRI Program in 1988 with an overall decrease in the total amount of TRI reportable chemicals released of over 43.59 % between 2009 and 2019 as shown in the table in Appendix E. A decrease in the amount of TRI chemicals being release to water, TRI chemicals being treated on-site and TRI chemicals being recycled on-site accounted for the overall decrease in the total amount of TRI chemicals reported in 2022.

## **Chapter One - 2022 Virginia TRI Data Review**

Chapter One describes the 2022 reporting year data, based on the type of activity and the chemicals and chemical categories reported. The chapter is divided into four parts. Part One presents an overview and summary of 2022 data collected. Part Two discusses on-site releases of TRI chemicals to the environment, whether to air, water, or land. These data are derived from Section 5 of the Form R reports. Part Three discusses the off-site transfers of TRI chemicals, whether to POTWs or to other off-site locations. These data are derived from Section 6 of the Form R reports. Part Four discusses on-site and off-site management activities. These data are derived from Section 8 of the Form R reports. While Chapter One includes all TRI chemicals, Chapter Two addresses PBT chemicals in more detail.

As described in the Introduction, Section 8 of the federal Form R asks facilities to extract and re-aggregate certain data from Sections 5 and 6. To avoid double-counting these chemicals in the Overview and Summary, only data which are independent of Sections 5 and 6 are presented when discussing "On-Site Management" in Part One of this chapter. When discussing Section 8 data as a whole, however, all these data are used in Part Four of this chapter; including data extracted and re-aggregated from Sections 5 and 6, so the balance between various on-site and off-site management activities can be shown. Appendices F and G contain facility-specific information, arranged by jurisdiction, for TRI chemicals (excluding PBTs) and for PBT chemicals, respectively.

### **Part One - 2022 Overview and Summary**

For calendar year 2022, Virginia facilities reported they released, transferred, or managed approximately 509.15 million pounds of TRI chemicals (see Table 1).

Approximately 25.57 million pounds of TRI chemicals were reported to have been released on-site to the environment. Air releases represented 14.01 million pounds, or 54.80 % of all the TRI chemicals released on-site in 2022. Releases to the water totaled approximately 10.13 million pounds, or 39.63 % of the total released on-site. Releases to the land totaled approximately 1.43 million pounds, or 5.57 % of the total released on-site. For 2022, the amount of TRI chemical releases to the environment represented approximately 5.02 % of the total TRI chemicals reported.

The majority of the reported releases occurred under a federal or state permit program designed to protect human health and the environment.

Off-site transfers totaled approximately 58.61 million pounds of TRI chemicals. Off-site transfers to POTWs totaled approximately 13.39 million pounds. Off-site transfers to other (non-POTW) facilities (for treatment, recycling, energy recovery, and disposal) totaled approximately 45.22 million pounds. For 2022, the amount of TRI chemicals transferred off-site represented approximately 11.51 % of the total for TRI chemicals by this measure.

For 2022 facilities reported that approximately 424.97 million pounds were managed on-site by treatment, recycling, or energy recovery which represents approximately 83.47 % of the total TRI chemicals.

**Table 1. Summary of Data by Type of Release, Transfer, and On-Site Management for TRI Chemicals (in pounds per year)**

On-Site Releases by Media (Section 5 of Form R)	
Total Air	14,012,907.33
Fugitive Air	3,339,237.33
Stack Air	10,673,670.00
Total Water	10,135,353.72
Total Land	1,425,445.59
Landfills	1,018,609.59
Land Treatment / Application	20,268.32
Surface Impoundment	150.16
Other Disposal	386,417.52
<b>Total On-Site Releases to Media</b>	<b>25,573,706.65</b>
Off-Site Transfers by Type (Section 6 of Form R)	
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	13,385,726.46
Total Other Off-Site Transfers	45,223,142.38
Off-Site Transfers for Recycling	23,788,639.22
Off-Site Transfers for Energy Recovery	3,632,267.36
Off-Site Transfers for Other Treatment	15,480,379.54
Off-Site Transfers for Disposal	2,321,856.27
<b>Total Off-Site Transfers</b>	<b>58,608,868.85</b>
On-Site Management (From Section 8 of Form R) *	
Treated On-Site	85,729,473.58
Recycled On-Site	336,464,255.12
Energy Recovery On-Site	2,779,497.00
<b>Total On-Site Management</b>	<b>424,973,225.70</b>
<b>Total TRI Chemicals Released On-site to Media, Transferred Off-site, or Managed On-site by Reporting Facilities</b>	<b>509,155,801.20</b>

\* The data for the on-site management of TRI chemicals are a summary of data collected from Part II, Sections 8.2, 8.4 and 8.6 of the Form R. These sections, in turn, are quantitative data not reported anywhere else in the Form R and reflect the descriptive data reported in Part II, Section 7 (on-site management practices - treatment, energy recovery, and recycling) of the Form R. Data extracted and re-aggregated to Section 8 from Sections 5 and 6 of Form R have not been included here to avoid duplicate counting.

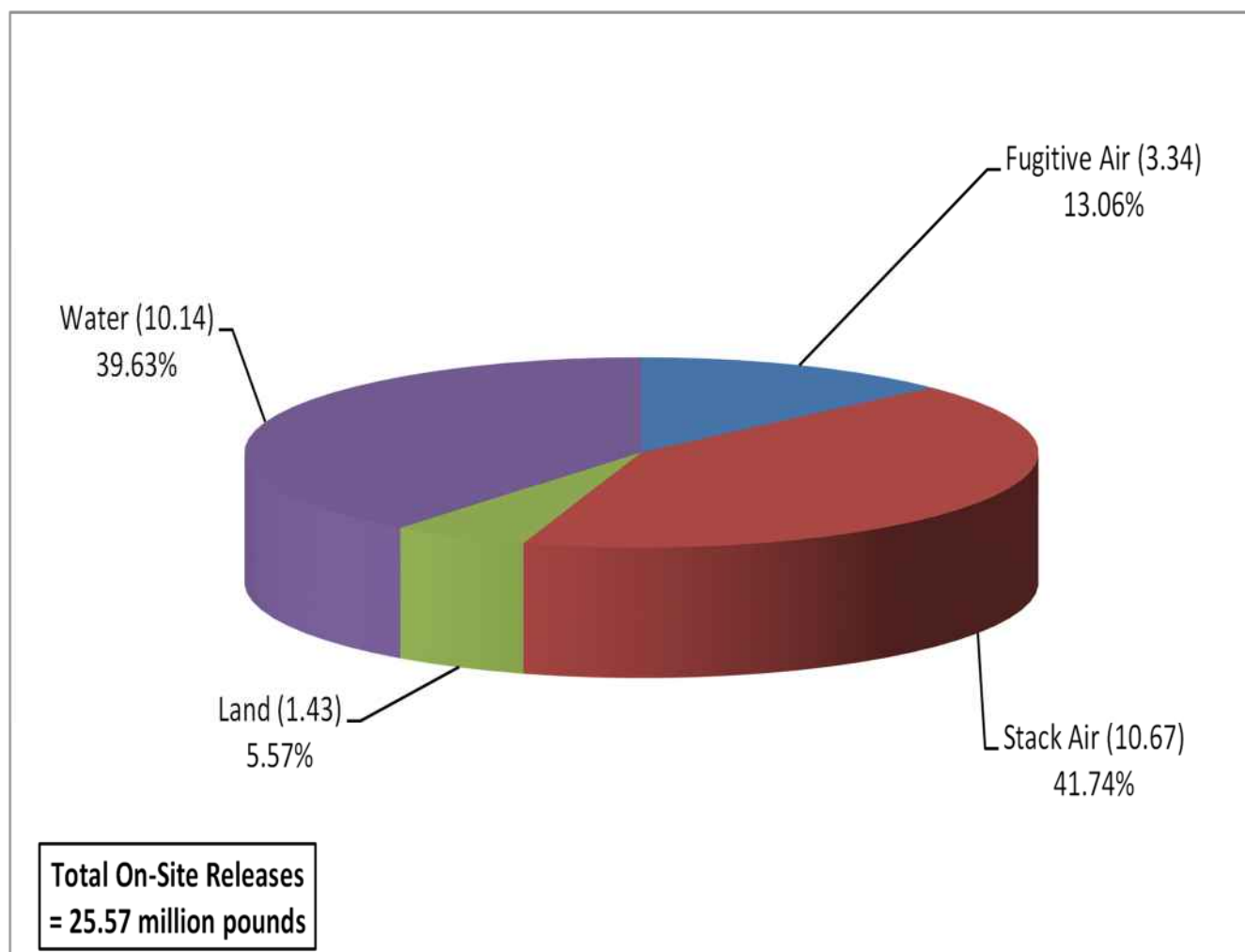
## Part Two - On-Site Releases to the Environment

Part Two of Chapter One discusses the on-site releases to the environment by facilities, as reported in Section 5 of the TRI Form R. The quantities reported include production-related releases, any catastrophic releases or one-time events not associated with routine production processes.

A release refers to an on-site discharge of TRI chemicals to the air, water, land, and/or disposal in underground injection wells. Any reductions in waste achieved by on-site treatment methods are taken into account when facilities determine their release data.

Approximately 25.57 million pounds of TRI chemicals were reported as released into the environment by reporting facilities for reporting year 2022.

**Figure 2. On-Site Releases of TRI Chemicals to All Media for Reporting Year 2022** (From Section 5 of Form R. The number inside the parentheses is the quantity of releases in each category in millions of pounds and the % figure is the % of total on-site releases. There were no underground injection releases reported in 2022.)



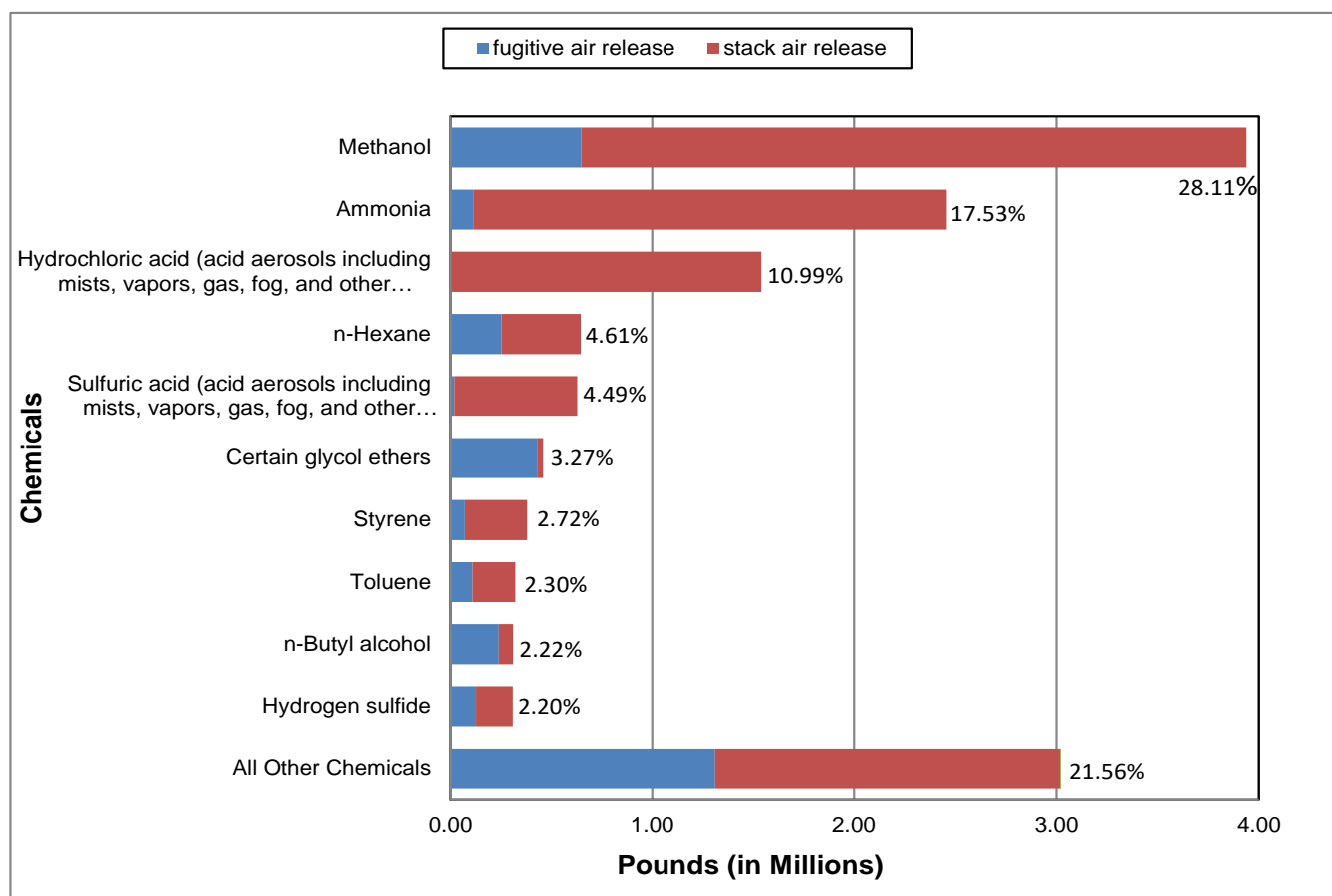


## On-Site Releases to the Air

On-site air releases are classified as either “fugitive” (non-point source) or “stack” (point source) air emissions. Examples of fugitive air emissions are equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills. Stack air emissions are releases which are conveyed through stacks, ducts, pipes, vents, or other confined air streams. Most facilities reporting stack emissions to TRI are required to have permits for the control of those emissions.

Based on the amount of fugitive and stack emissions reported, the total amount of releases to the air of all TRI chemicals was approximately 14.01 million pounds, which accounted for 54.80 % of the total on-site releases to all media (air, water, and land). Ten TRI chemicals released to the air made up approximately 78.44 % of the total reported TRI air emissions in 2022 (See Figure 3). Those 10 chemicals were: methanol, ammonia, hydrochloric acid, n-hexane, sulfuric acid, certain glycol ethers, styrene, toluene, n-butyl alcohol, and hydrogen sulfide. Most reported acid aerosols such as hydrochloric acid and sulfuric acid were reported as generated during the combustion of coal or oil. Electric power generating facilities contributed to the emissions of acid aerosols. Ammonia, methanol, and toluene continued to be the air pollutants reported primarily from the manufacturing sector.

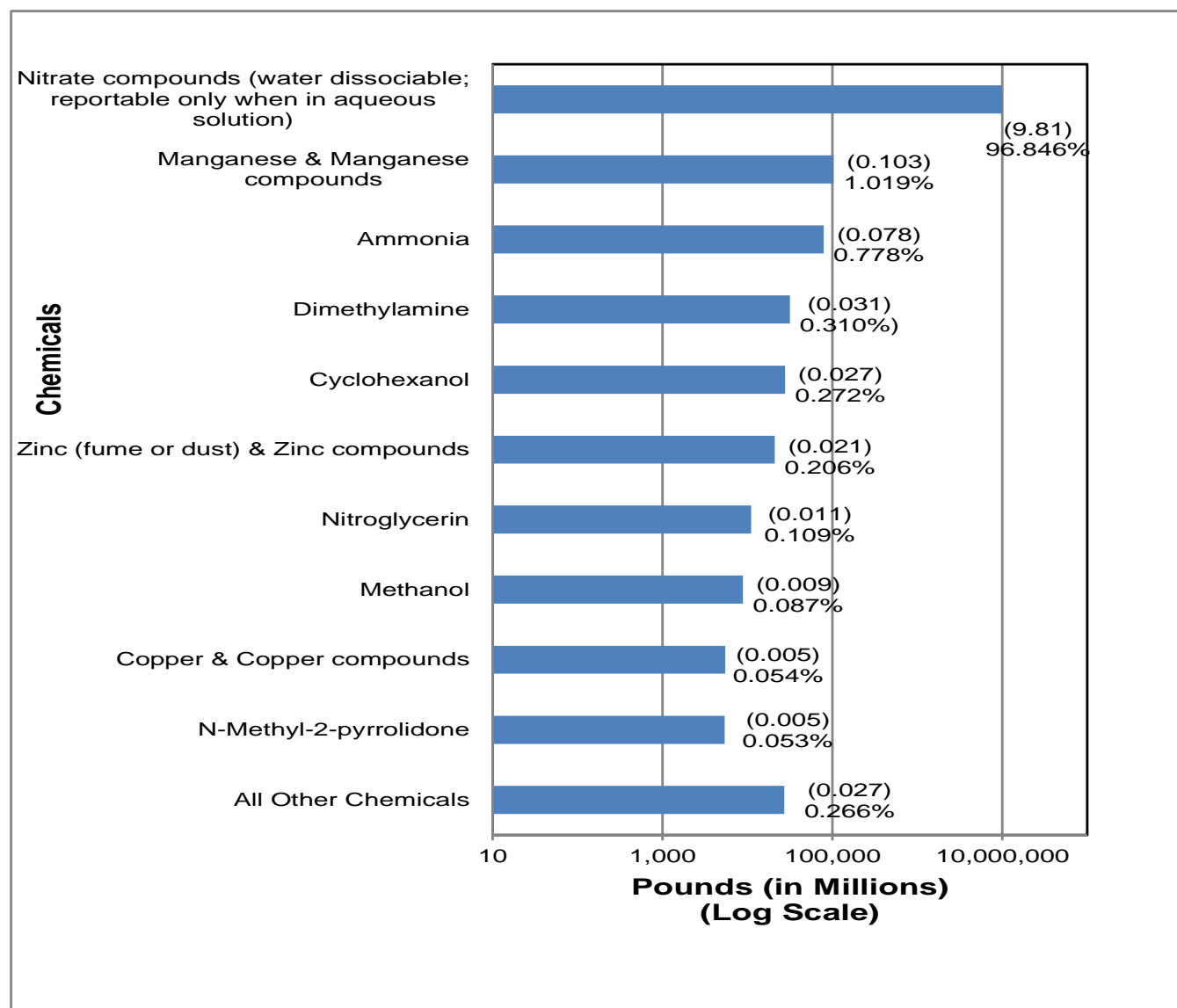
**Figure 3. Top 10 TRI Chemicals Released to the Air On-Site in 2022** (From Section 5 of Form R. The number next to each bar is the % of total air releases for all 2022 chemicals reported.)



## On-Site Releases to Water

On-site releases to water include discharges to surface waters, such as rivers, lakes, ponds, and streams. These discharges are often from VPDES permitted outfalls. Reported on-site releases of TRI chemicals to water in 2022 totaled approximately 10.13 million pounds and accounted for 39.63 % of all on-site releases to the air, water, and land in 2022. Ten chemicals and chemical categories accounted for more than 99.73 % of the on-site TRI chemical releases to the water. Those 10 TRI chemicals were: nitrate compounds (96.85 % of total releases to water), manganese and manganese compounds, ammonia, dimethylamine, cyclohexanol, zinc and zinc compounds, nitroglycerin, methanol, copper and copper compounds, and n-methyl-2-pyrrolidone. Nitrate compounds are a common byproduct of industrial wastewater treatment processes and have consistently been reported as the chemical released in the highest quantity to surface water.

**Figure 4. Top 10 TRI Chemicals Released to Water On-Site in 2022** (From Section 5 of Form R. The information presented here is in logarithmic, base 10 scale, which compresses the bar chart to show up to 450 fold magnitudes of the difference between nitrate compounds and other chemicals. The number by the bars represents the quantity in millions of pounds followed by % of total reported releases to water.)

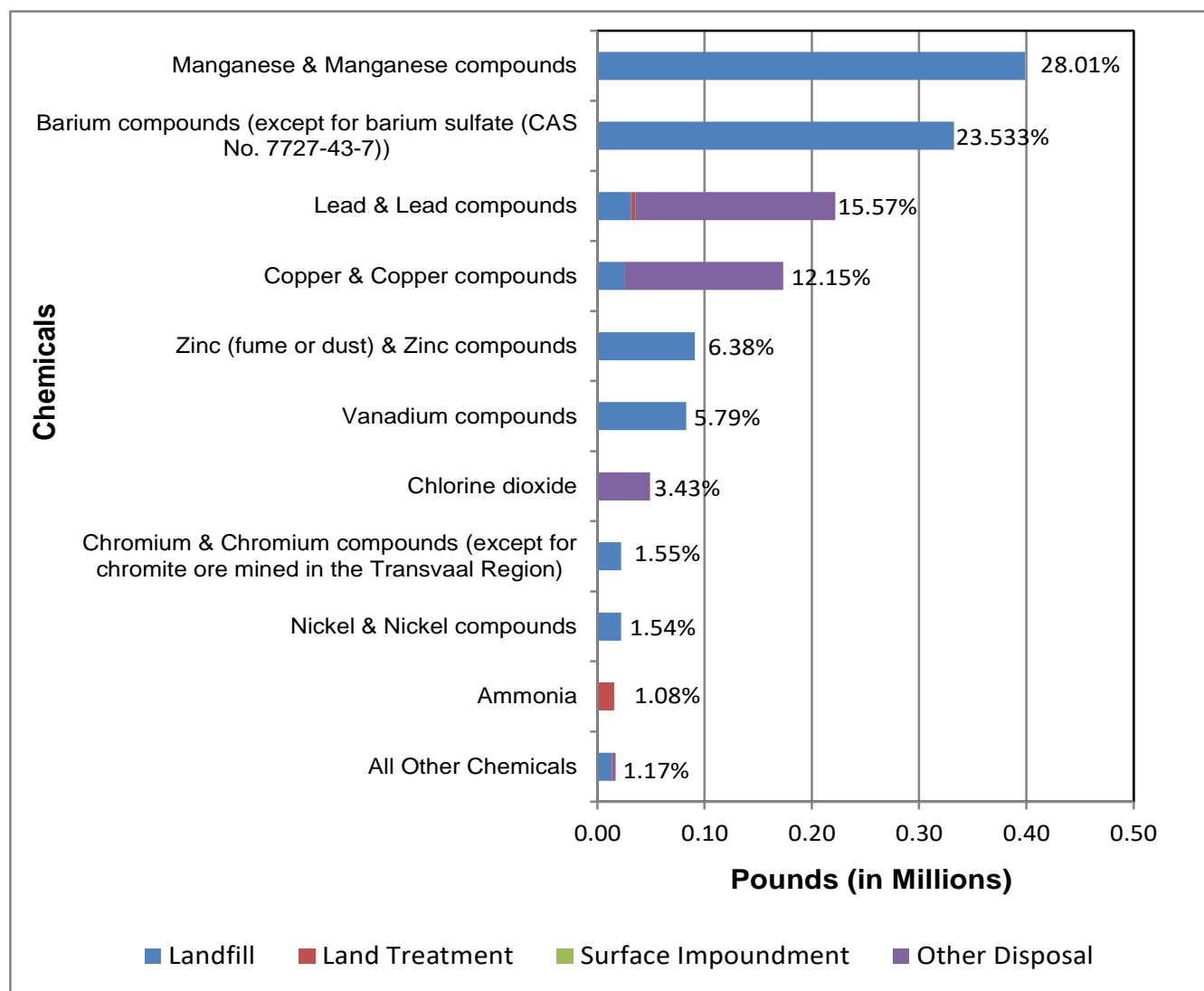


## On-Site Releases to the Land

On-site releases to the land refer to land filling, surface impoundment, land treatment/application for farming, or any other release of a TRI chemical to land within the boundaries of a facility. Virginia does not permit underground injection as a method of hazardous waste disposal (nor was any reported) and no underground injection or RCRA Subtitle C permitted land disposal of TRI chemicals was reported.

The total amount of TRI chemicals released to the land in Virginia during 2022 was approximately 1.42 million pounds, which accounted for 5.57 % of all reported on-site TRI releases (releases to the air, water, and land). Ten chemicals constituted approximately 98.83 % of all of the TRI chemicals released to the land. They were: manganese and manganese compounds, barium compounds, lead and lead compounds, copper and copper compounds, zinc and zinc compounds, vanadium compounds, chlorine dioxide, chromium and chromium compounds, nickel and nickel compounds, and ammonia (Figure 5). Metals and metal compounds such as barium are found naturally in coal combusted for energy generation and in the ashes remaining after combustion of the coal.

**Figure 5. Top 10 TRI Chemicals Released On-Site to the Land in 2022** (From Section 5 of Form R. The number next to each bar is the % of total on-site land releases for all 2022 reported.)



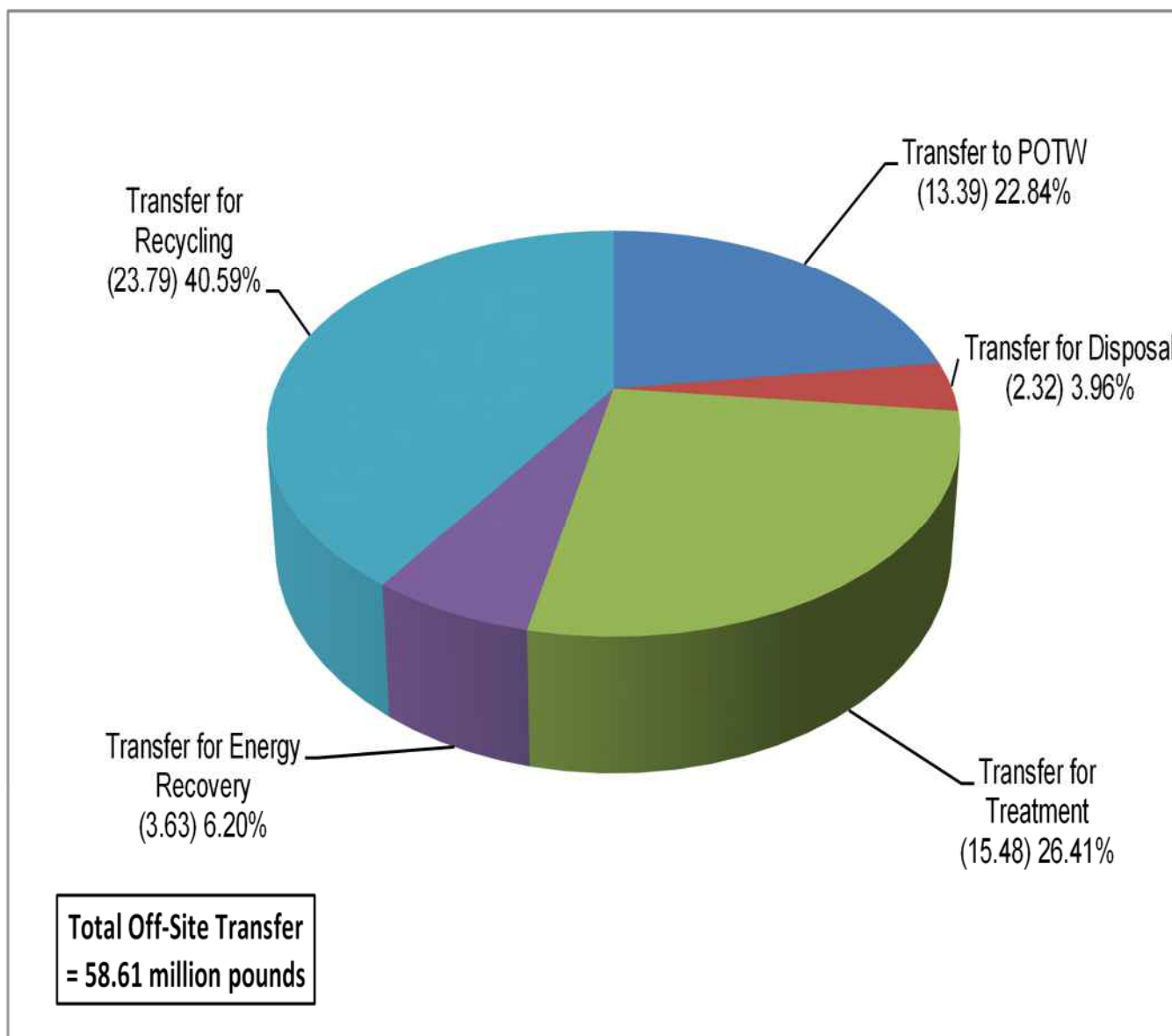
**Part Three - Off-Site Transfers**

Transfers refer to TRI chemicals sent off-site. Transfers are reported as transfers to POTWs or other off-site destinations which are not part of the reporting facility, such as incinerators, landfills, or other facilities for treatment, recycling, energy recovery, or disposal.

In this section, data were collected from Section 6 of Form R.

For 2022, approximately 58.61 million pounds of TRI chemicals were reported as sent off-site for further management or disposal.

**Figure 6. All Off-Site Transfers of TRI Chemicals for Reporting Year 2022** (From Section 6 of Form R. The number inside the parentheses is the quantity of transfers in each category in millions of pounds and the % figure is the % of total transfers.)



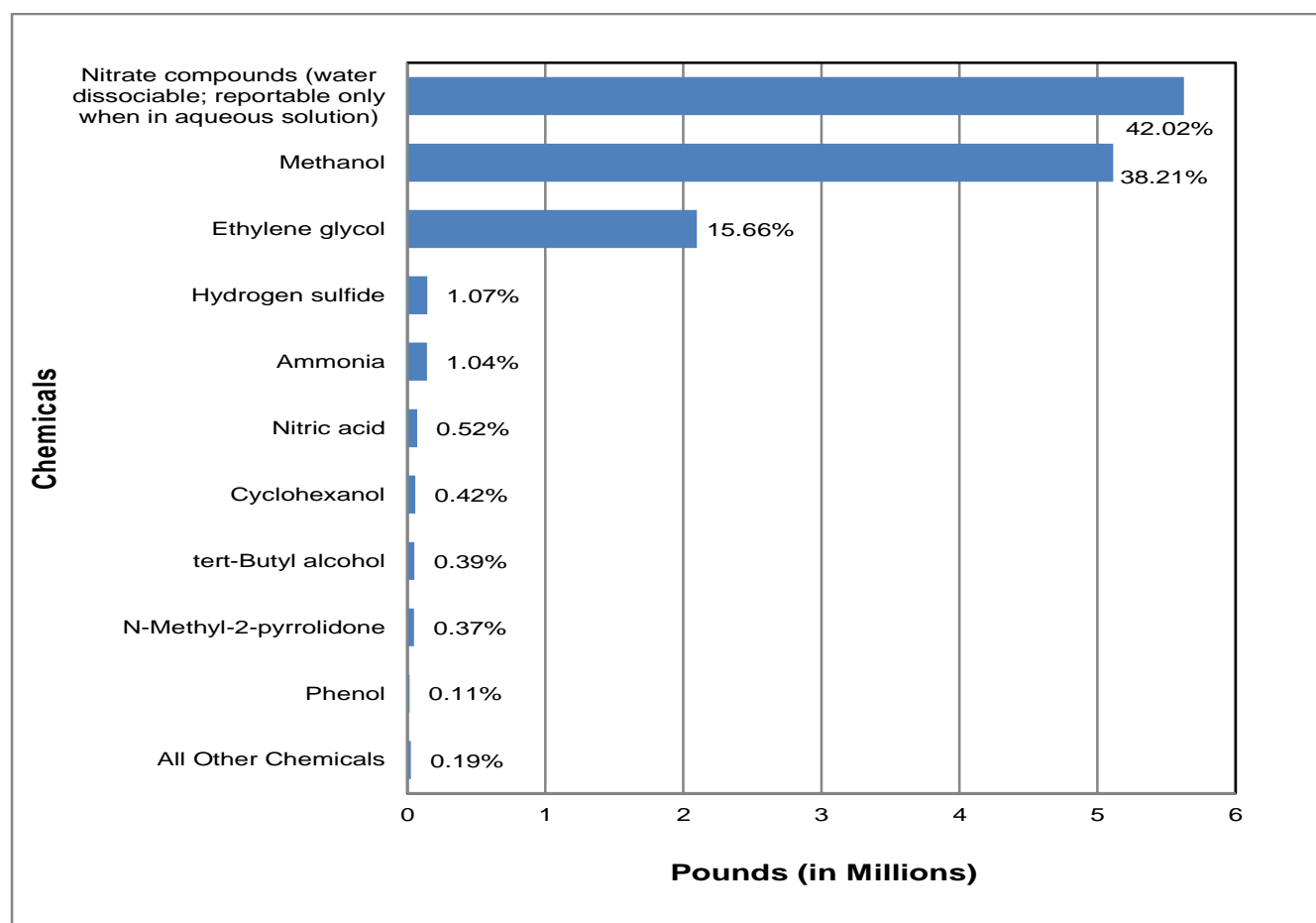
## Transfers to Publicly Owned Treatment Works

A POTW is a wastewater treatment facility which is owned by a state or local government. Wastewater from facilities reporting under TRI is transferred through pipes or sewers to the POTW. The TRI information summarized below reports transfers of a chemical to a POTW; however, a transfer to a POTW is not necessarily the same as the release of a chemical to the environment. TRI chemicals may be treated, destroyed, and/or removed from the environment in a POTW's physical, chemical, and biological treatment processes. Some TRI chemicals are almost completely destroyed by a POTW. However, not all chemicals can be treated or removed by a POTW. Some chemicals such as metals and metal compounds may be removed but not destroyed. These metals may ultimately be disposed of in a permitted landfill, disposed of in a permitted land application process, or released through a permitted discharge to receiving waters.

Ten TRI chemicals accounted for approximately 99.81 %, or 13.36 million pounds of the approximately 13.38 million pounds of TRI chemicals transferred to POTWs in reporting year 2022.

Nitrate compounds were the leading pollutant discharged to POTWs for treatment for this reporting period. The other nine top-reported chemicals transferred were: nitrate compounds, methanol, ethylene glycol, hydrogen sulfide, ammonia, nitric acid, cyclohexanol, tert-butyl alcohol, n-methyl-2-pyrrolidone, and phenol.

**Figure 7. Top 10 TRI Chemicals Transferred to Publicly Owned Treatment Works (POTWs) in 2022** (From Section 6.1 of the Form R. The number next to each bar is the % of total transfers to POTWs.)

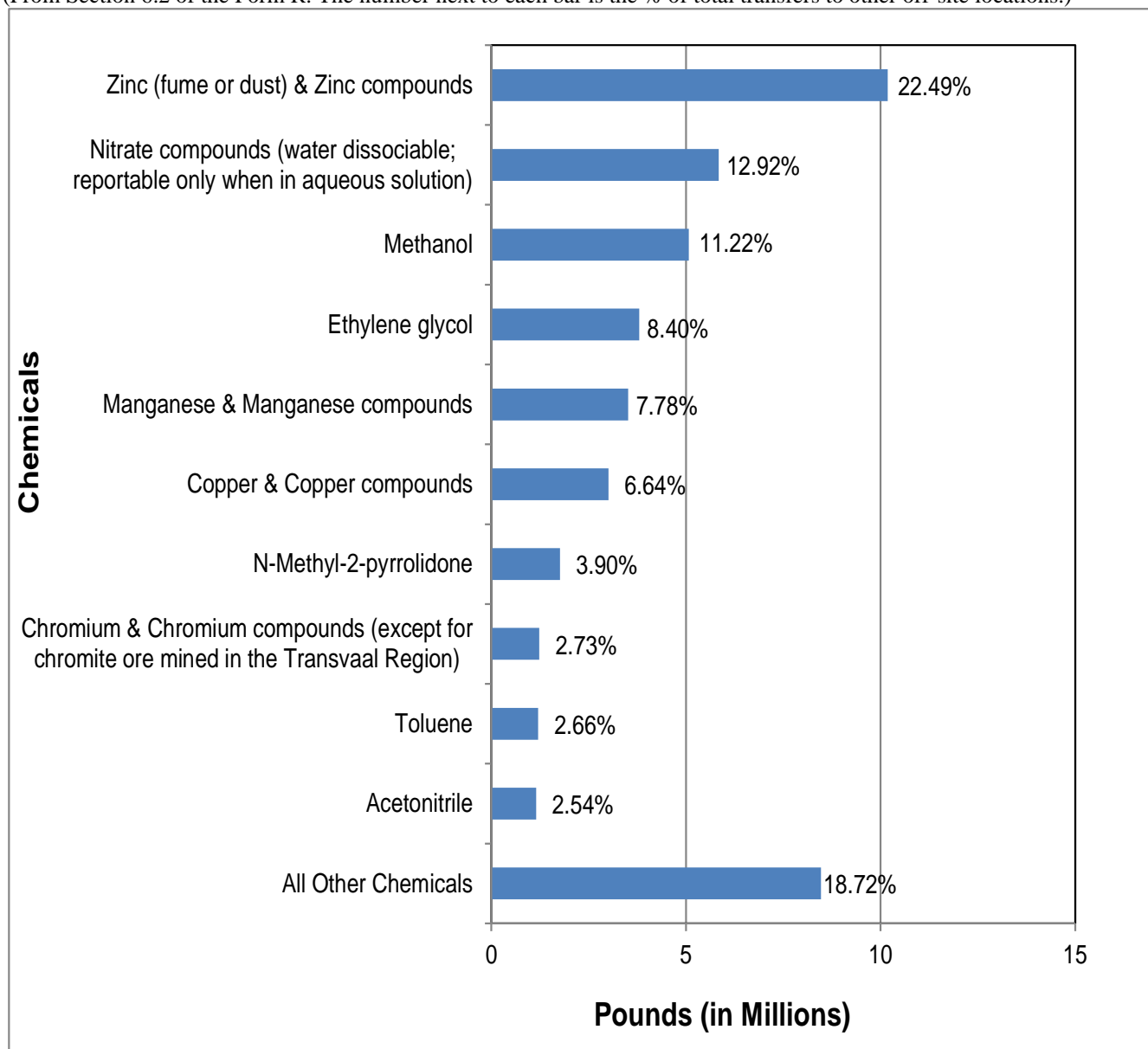


## Transfers to Other Off-Site Locations

The Form R also reports transfers of TRI chemicals to facilities other than POTWs. These off-site locations include incinerators, landfills, other treatment, energy recovery, recycling, and/or disposal facilities. Off-site transfers can be to facilities located inside or outside of the Commonwealth.

In 2022, the total amount of TRI chemicals transferred to other off-site locations was approximately 45.22 million pounds. Ten TRI chemicals represented approximately 81.28 % of the total TRI chemicals transferred off-site to locations other than POTWs. Those 10 chemicals and chemical categories transferred off-site to locations other than POTWs in reporting year 2022 were: zinc and zinc compounds, nitrate compounds, methanol, ethylene glycol, manganese and manganese compounds, copper and copper compounds, n-methyl-2-pyrrolidone, chromium and chromium compounds, toluene, and acetonitrile.

**Figure 8. Top 10 TRI Chemicals Transferred to Off-Site Locations Other than POTWs in 2022**  
(From Section 6.2 of the Form R. The number next to each bar is the % of total transfers to other off-site locations.)



### **Part Four - On-Site and Off-Site Management**

Under the Pollution Prevention Act of 1990, facilities subject to EPCRA Section 313 must report their source reduction and recycling activities. Consequently, EPA added Section 8 to the Form R (Appendix D) to track production-related activities. Section 8 contains 11 subsections and requires facilities to extract and re-aggregate data reported in Sections 5 through 7 into releases (on-site and off-site releases to the environment); off-site transfers/management; and on-site management categories. This part of Chapter One discusses all of the data included in Section 8 to track production-related activities so the relative methods of toxic chemical management can be compared.

Some of the data and information reported in Sections 5, 6 and 7 are handled differently for Section 8 reporting. The differences are the releases-to-the-environment data in Section 8 exclude catastrophic releases and one-time events not associated with the production process. Furthermore, metal and metal compounds reported as transfers for off-site management in Section 6 are aggregated with the on-site release data from Section 5 as releases to the environment. Metal and metal compounds cannot be destroyed through treatment; hence, their final disposal is considered a release to the environment. There are other differences in how quantities are reported, so the total toxics managed, as reported in Section 8, do not precisely match the total in Table 1. Also, Section 8 is the only part of the Form R which contains quantitative data on on-site waste management activities other than releases. While Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for quantitative data related to information reported in Section 7.

Consistent with the pollution prevention goal, Section 8 of Form R and its subsections also report additional information which addresses resource reduction efforts. In general, facilities utilize several options to manage TRI chemicals. Treatment of waste, both on-site and off-site, involves a variety of methods, including biological treatment, neutralization, incineration, and physical separation. Another option is on-site or off-site recycling. On-site or off-site recycling involves the toxic chemicals in waste being recovered or reclaimed and being returned for further processing or being made available for use in commerce. Energy recovery involves the combustion of toxic chemicals in industrial furnaces or boilers which generate energy for on-site or off-site use. The least preferable and last management option is disposal, which is considered a release to the environment.

As reported in Section 8 of the 2022 facility reports, 509.15 million pounds of production-related TRI chemicals were released, treated, recycled, or recovered both on-site and off-site from Virginia facilities.

Approximately 83.47 % of the TRI chemicals were managed on-site and 5.02 % of the TRI chemicals were released into the environment on-site. About 11.51 % of the TRI chemicals were transferred off-site to be managed by various means.

## Chapter Two - 2022 TRI Data for PBT Chemicals

Persistent bio-accumulative toxic chemicals are those which remain in the environment for long periods of time, are not readily destroyed, and build up or accumulate in body tissue. Because of these characteristics, beginning with reporting year 2000, EPA added several PBT chemicals to the TRI reporting list and lowered the reporting thresholds for 18 PBT chemicals and chemical categories.

For reporting year 2022, DEQ received 280 reports and revisions for PBT chemicals, out of a total of 1,249 TRI reports and revisions (22.42 %).

Table 2 shows the reporting thresholds for the TRI PBTs. The table also shows that 13 of the 20 PBTs were reported as released, transferred, or managed by facilities in Virginia for reporting year 2022. Appendix G has facility-specific information for PBT chemicals.

**Table 2. TRI Reporting Year 2022 Persistent Bio-accumulative Toxic Chemicals - Reporting Thresholds and Number of Reports Received**

CAS Number	Chemical /Chemical Category Name	Reporting Threshold	Reports Received
309-00-2	Aldrin	100 lbs.	0
191-24-2	Benzo(g,h,i)perylene	10 lbs.	21
57-74-9	Chlordane	10 lbs.	1
N150	Dioxin and Dioxin-Like Compounds	0.1 gram	13
76-44-8	Heptachlor	10 lbs.	1
118-74-1	Hexachlorobenzene	10 lbs.	0
465-73-6	Isodrin	10 lbs.	0
7439-92-1	Lead	100 lbs.	101
N420	Lead Compounds	100 lbs.	75
7439-97-6	Mercury	10 lbs.	6
N458	Mercury Compounds	10 lbs.	15
72-43-5	Methoxychlor	100 lbs.	1
29082-74-4	Octochlorostyrene	10 lbs.	0
40487-42-1	Pendimethalin	100 lbs.	0
608-93-5	Pentachlorobenzene	10 lbs.	0
1336-36-3	Polychlorinated biphenyls (PCBs)	10 lbs.	1
N590	Polycyclic aromatic compounds (PACs)	100 lbs.	43
79-94-7	Tetrabromobisphenol A (TBBPA)	100 lbs.	1
8001-35-2	Toxaphene	10 lbs.	0
1582-09-8	Trifluralin	100 lbs.	1



Table 3 provides an overview and summary of 2022 PBT data. The data are organized as in Table 1, Chapter 1. In order to avoid duplicate counting, data extracted and re-aggregated in Section 8 from Sections 5 and 6 of Form R have not been included as "On-Site Management" in Table 3.

**Table 3. Summary of Data by Type of Release, Transfer and On-Site Management for PBT Chemicals** (Dioxin and dioxin-like compounds are listed separately from the "Other PBT Chemicals" column because they were reported in grams, while the other PBT chemicals were reported in pounds. A conversion to pounds is shown adjacent to the reported number of dioxins in grams.)

On-Site Releases By Media (Section 5 of Form R)	Dioxin and Dioxin-Like Compounds*in amounts for the year		Other PBT chemicals in amounts for the year
	Grams (g)	Pounds (lbs)	Pounds (lbs)
Total Air	6.03	1.33E-02	12,498.72
Fugitive Air	0.02	4.64E-05	2,660.20
Stack Air	6.01	1.33E-02	9,838.52
Water	1.42	3.12E-03	1,775.08
Land	1.54	3.40E-03	222,489.64
<b>Total On-Site Releases to Media</b>	<b>8.99</b>	<b>1.98E-02</b>	<b>236,763.45</b>
Off-Site Transfers By Type (Section 6 of Form R)			
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	0.00	0.00E+00	445.05
Total Other Off-Site Transfers	16.58	3.66E-02	639,409.09
Off-Site Transfers for Recycling	2.39	5.26E-03	579,091.82
Off-Site Transfers for Energy Recovery	0.00	0.00E+00	2,359.74
Off-Site Transfers for Other Treatment	0.00	0.00E+00	5,983.20
Off-Site Transfers for Disposal	14.19	3.13E-02	51,974.34
<b>Total Off-Site Transfers</b>	<b>16.58</b>	<b>3.66E-02</b>	<b>639,854.15</b>
ON-SITE MANAGEMENT (Section 8 of Form R)			
Treated On-Site	0.00E+00	0.00E+00	6.50
Recycled On-Site	0.00E+00	0.00E+00	70,720.20
Energy Recovery On-Site	0.00E+00	0.00E+00	0.00
<b>Total On-Site Management</b>	<b>0.00E+00</b>	<b>0.00E+00</b>	<b>70,726.70</b>
<b>Total PBT Chemicals Released On-site, Transferred Off-site, and Managed On-site by Reporting Facilities</b>	<b>25.57</b>	<b>0.06</b>	<b>947,344.30</b>

\* Facilities are allowed to report PBT chemicals up to 7 decimal places of accuracy. For presentation purposes the summary amounts in this table have been rounded; however, the integrity of facility reported data has been maintained in the database. The specific data reported by each facility are provided in Appendix G.

Comparing Table 3 (PBT information) to Table 1 (information on all TRI chemicals), the amount of reported PBTs released on-site (236,763 pounds) was approximately 0.93 % of the total TRI chemicals released on-site to the environment. The reported PBTs managed on-site (70,726 pounds) were less than 1% (0.02 %) of the total TRI chemicals managed on-site. The reported PBTs transferred off-site for treatment, recycling, energy recovery, or disposal (639,854 pounds) were approximately 1.09 % of the total TRI chemicals transferred off-site. In 2021, the previous reporting year, the on-site releases of PBT contributed to 0.86 % of the total releases, 0.17 % of on-site management, and 1.11 % of off-site transfers.

Information on the amounts of each individual chemical or chemical category released on-site, transferred off-site, and managed on-site for the 12 PBT chemicals reported by Virginia facilities is provided in Table 4.

**Table 4. Reporting Year 2022 Amounts of TRI PBT Chemicals Released On-Site, Transferred Off-Site, and Managed On-Site by PBT** (Dioxin and Dioxin-like compounds have been converted to pounds and included in the totals.)

<b>Chemical Name</b>	<b>Released On-Site (in pounds)</b>	<b>Transferred Off-Site (in pounds)</b>	<b>Managed On-Site (in pounds)</b>
Benzo(g,h,i)perylene	25.79	213.69	190.30
Chlordane	0.00	400.00	0.00
Dioxin and Dioxin-Like Compounds	0.02	0.04	0.00
Heptachlor	0.00	400.00	0.00
Lead	81,816.56	114,612.78	0.00
Lead Compounds	152,391.69	508,346.52	0.00
Mercury	2.13	526.75	0.00
Mercury Compounds	659.61	141.67	0.00
Methoxychlor	0.00	400.00	0.00
Polychlorinated biphenyls	0.00	27.00	0.00
Polycyclic aromatic compounds (PACs)	1,867.66	14,703.73	70,536.40
Tetrabromobisphenol A	0.00	82.00	0.00
Trifluralin	0.00	0.00	0.00
<b>Total for all 13 chemical/categories</b>	<b>236,763.47</b>	<b>639,854.19</b>	<b>70,726.70</b>

Of the PBTs listed in Table 4, lead, lead compounds, and PACs represented the most reported on-site releases to the environment, off-site transfers, and on-site management of PBT chemicals. Lead and lead compounds contributed to the bulk (98.92%) of the PBT on-site releases. Referring to Figure 5 in Chapter 1, lead and lead compounds ranked third in chemicals released on site to land in Virginia. Releases of lead and lead compounds and mercury and mercury compounds to the air (via stacks) or to the land (through fly ash disposal) can result from coal or oil combustion. PACs may form as a result of incomplete combustion of coal or oil or as a by-product of other industrial processes. PACs found in the waste stream can contain adequate British thermal units (BTUs) for energy recovery from incinerated waste.

Table 5 data show the distribution of PBTs versus reported activities (manufacturing, processing, or otherwise use). A facility may report more than one type of activity for a single TRI chemical.

**Table 5. Activities and Uses of PBT Chemicals at Facilities** (From Section 3 of the Form R) for 2022

Chemical Name	Activities Reported						
	Manufacturing Only	Processing Only	Otherwise Use Only	Both Manufacturing & Processing	Both Manufacturing & Otherwise Use	Both Processing & Otherwise Use	Manufacturing & Processing & Otherwise Use
Benzo(g,h,i)perylene	0	10	2	3	2	0	5
Chlordane	0	1	0	0	0	0	0
Dioxin and Dioxin-Like Compounds	16	1	0	3	0	0	0
Heptachlor	0	1	0	0	0	0	0
Lead	0	66	23	3	2	3	1
Lead Compounds	0	32	8	7	9	2	10
Mercury	0	2	2	0	1	0	0
Mercury Compounds	0	3	1	3	3	0	4
Methoxychlor	0	1	0	0	0	0	0
Polychlorinated biphenyls	0	0	1	0	0	0	0
Polycyclic aromatic compounds (PACs)	0	11	5	6	15	0	5
Tetrabromobisphenol A	0	1	0	0	0	0	0
Trifluralin	0	0	1	0	0	0	0
Total for all 13 chemicals/categories	16	129	43	25	32	5	25

Table 5 shows “processing only” was the most frequently reported activity (129) involving PBT chemicals. “Processing only” was followed by “otherwise use only” (43) and “both manufacturing and otherwise use” (32).

The major industrial sectors which reported processing of lead or lead compounds were the furniture and fixture industries; stone, clay, glass, and concrete products industries; primary metal and fabricated metal products industries; electronic or electrical equipment manufacturers; petroleum bulk plant operators; and manufacturer of transportation equipment.

Dioxin and dioxin-like compounds are normally a product of incomplete combustion of waste streams containing chlorinated products.

Lead or lead compounds can be co-manufactured under chemical manufacturing processes or as a by-product of fuel (coal or fuel oil) combustion.

Industries such as primary metal; stone, clay, and glass products; transportation equipment manufacturers; electric power generation facilities; solvent recovery facilities; and paper and allied products industries were key reporters of lead compounds and mercury compounds in all three (manufacturing, processing, and otherwise used) activities.

## **Chapter Three – Industrial Sectors, Facilities and Locations**

In this chapter, data are presented by industrial sectors, as identified by the primary North American Industry Classification System Code (Part One), facilities (Part Two), and facility locations (Part Three). The chapter identifies the top 10 Virginia industrial sectors, facilities, and facility locations (also referred to as jurisdictions) based on the reported on-site releases and the total on-site management of TRI chemicals.

As with Table 1 (Chapter 1) and Table 3 (Chapter 2), in order to avoid double counting, the data in this chapter for on-site management do not include the data extracted and re-aggregated from Sections 5 and 6 of Form R. Complete rankings of industrial sectors, facilities, and jurisdictions are included in Appendices H, I and J.

### **Part One - Industrial Sectors**

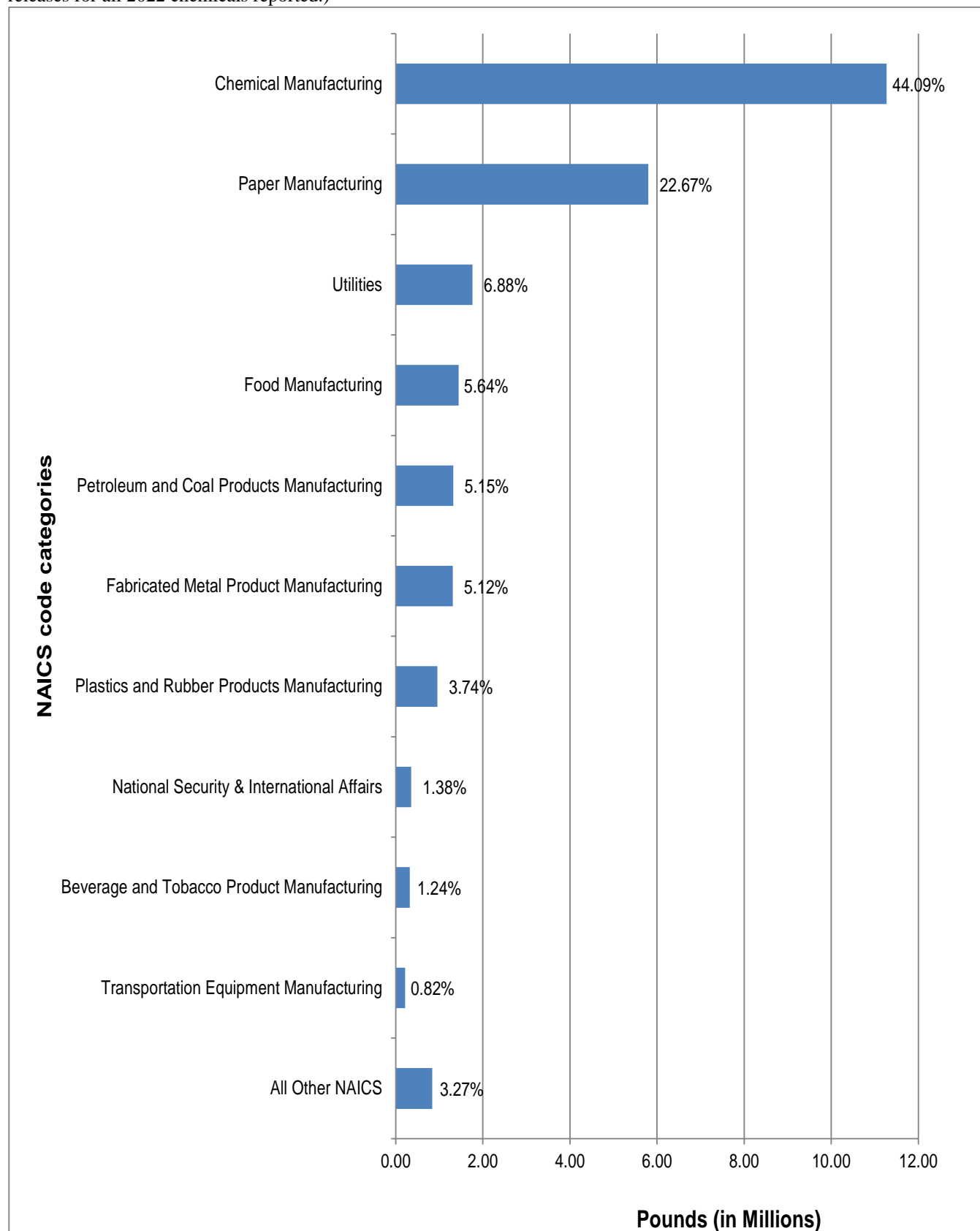
#### **Industrial Sectors Reporting On-Site Releases of TRI Chemicals**

Twenty-six industrial sectors, including federal facilities, are subject to TRI reporting requirements (see Appendix C).

The three industrial sectors reporting the most on-site releases of TRI chemicals for 2022, based on the primary North American Industrial Classification System (NAICS) Code, were: chemical manufacturing, paper manufacturing, and utilities. These three sectors contributed to 73.64% of the total on-site releases to the environment. The remaining top 10 industrial sectors for 2022 were: food manufacturing, petroleum and coal products manufacturing, fabricated metal product manufacturing, plastics and rubber manufacturing, national security and international relations, beverage and tobacco product manufacturing, and transportation equipment manufacturing.

A complete ranking of industrial sectors reporting on-site TRI releases is provided in Appendix H-1.

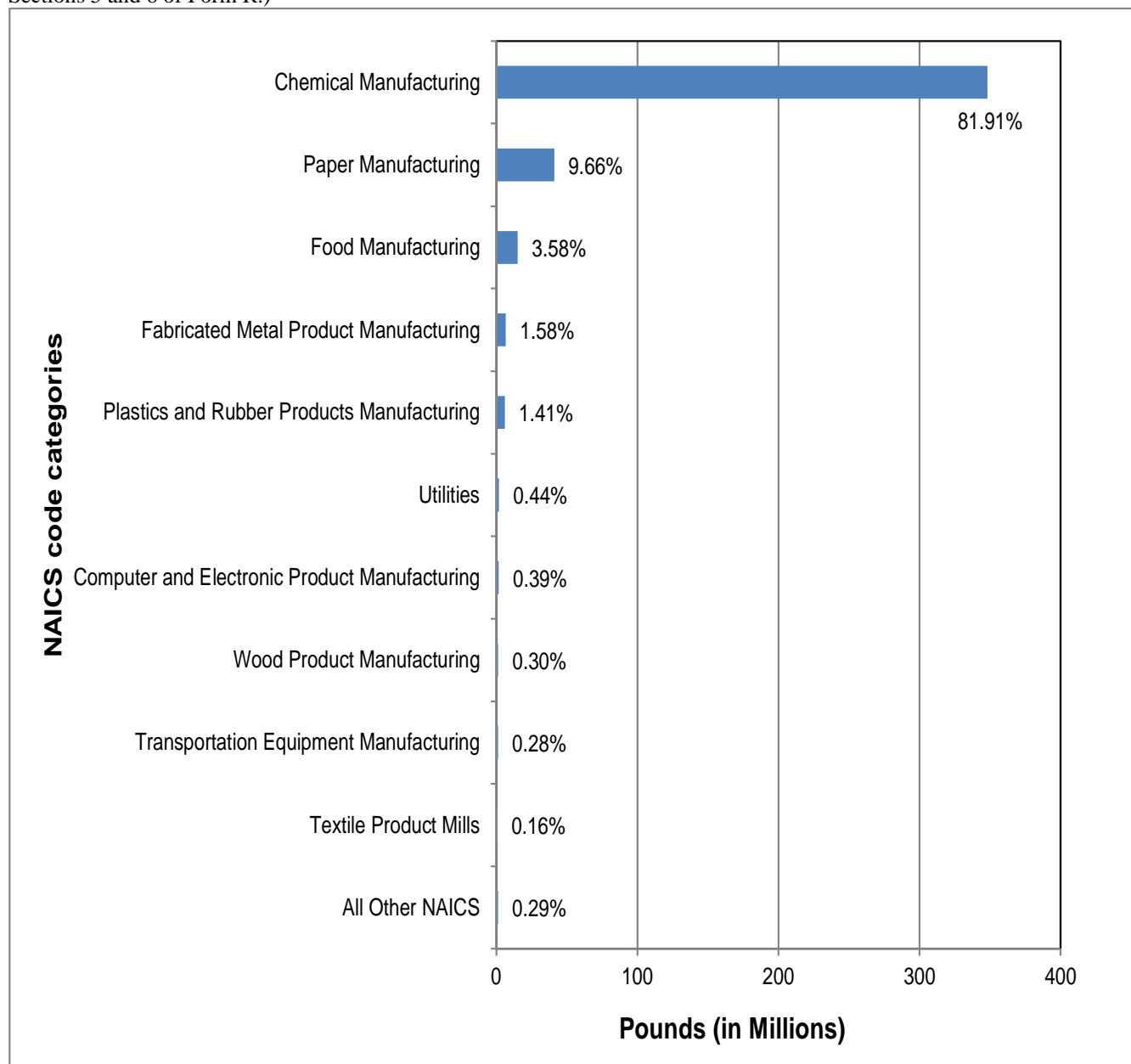
**Figure 9. Top 10 Reporting Industrial Sectors (based on NAICS codes) Releasing TRI Chemicals On-Site in Virginia for 2022** (From Section 5 of the Form R. The number next to each bar is the % of total on-site releases for all 2022 chemicals reported.)



## Industrial Sectors Reporting On-Site Management of TRI Chemicals

The three industrial sectors reporting the most on-site management of TRI chemicals (see Figure 10) for 2022 based on the primary NAICS Code were: chemical manufacturing, paper manufacturing, and food manufacturing. These three sectors contributed to 95.14 % of the total of on-site management of TRI chemicals. The remaining top 10 industrial sectors for 2022 were: fabricated metal products manufacturing, plastics and rubber manufacturing, utilities, computer and electronics manufacturing, wood product manufacturing, transportation equipment manufacturing, and textile product mills. A complete ranking of industrial sectors reporting on-site TRI management is provided in Appendix H-2.

**Figure 10. Top 10 Reporting Industrial Sectors (based on NAICS codes) Managing TRI Chemicals On-Site in Virginia for 2022** (From Section 8 of the Form R. The number next to each bar is the % total of on-site management for all 2022 chemicals reported. Figure 10 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



## Part Two - Facilities

### Facilities Reporting On-Site Releases of TRI Chemicals

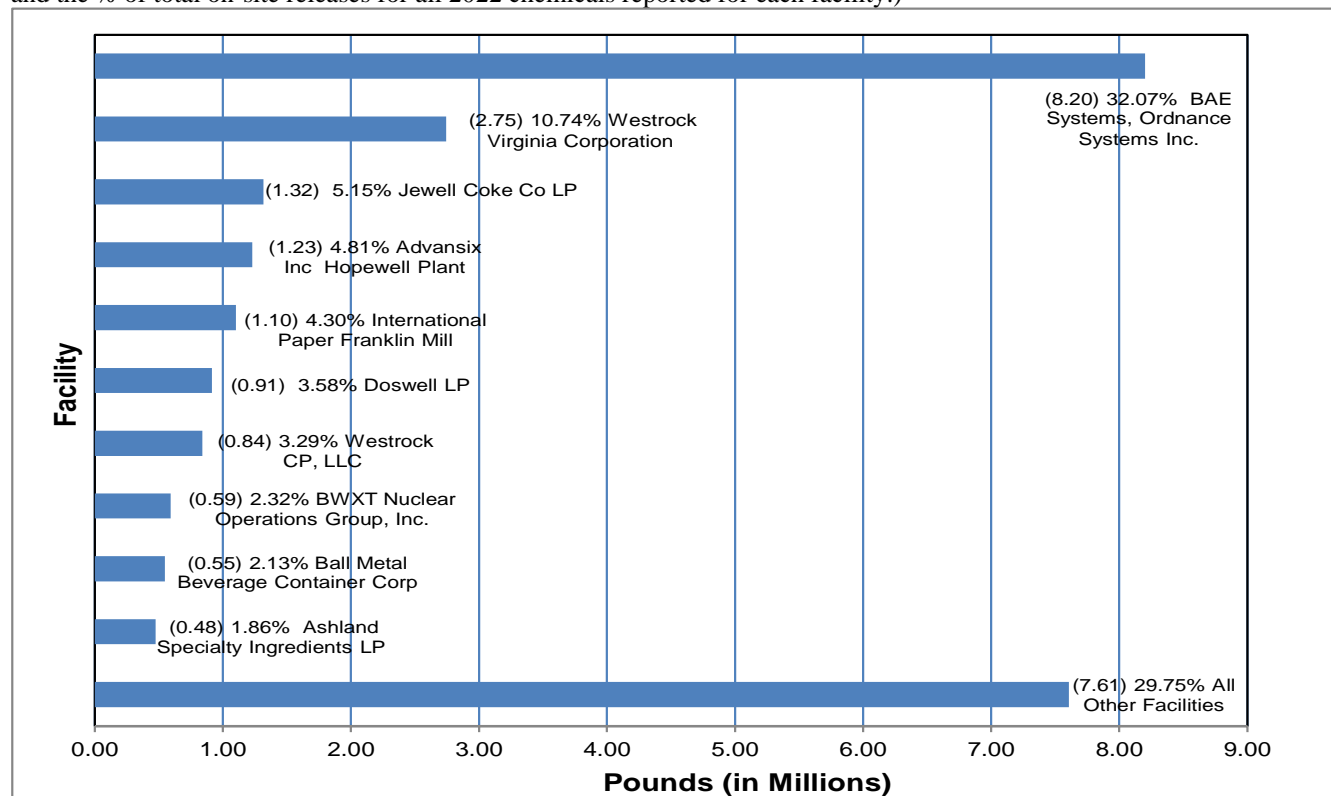
Virginia facilities that reported the highest contributions to the on-site release of TRI chemicals to the air (fugitive and stack), water, and land in 2022 were:

- BAE Systems, Ordnance Systems Inc. - City of Radford, Montgomery County
- Westrock Virginia Corporation - City of Covington
- Jewell Coke Co L.P. - Buchanan County
- Advansix, Inc. - Hopewell Plant - City of Hopewell
- International Paper Franklin Mill - City of Franklin
- Doswell LP - Hanover County
- Westrock CP, LLC - West Point - King William County
- BWXT Nuclear Operations Group, Inc. – City of Lynchburg
- Ball Metal Container Corporation - City of Williamsburg
- Ashland Specialty Ingredients GP – City of Hopewell

These facilities accounted for 70.25 % (17.96 million pounds) of all reported TRI releases for 2022. Of the 10 facilities, three are paper manufacturing facilities; three are chemical manufacturing facilities, one is a metal can manufacturer, one is a nuclear power boiler and heat exchanger manufacturer, one is a power generation facility, and one is a petroleum and coal products manufacturing facility.

Figure 11 shows the quantity of TRI chemicals each of these facilities released in Virginia in 2022. See Appendix I-1 for a complete ranking of on-site releases by facility.

**Figure 11. 2022 Top 10 Virginia Facilities Reporting Releases of TRI Chemicals On-Site** (From Section 5 of Form R. The numbers next to each bar are the total on-site releases (in millions of pounds), in the parentheses and the % of total on-site releases for all 2022 chemicals reported for each facility.)





## Facilities Reporting On-Site Management of TRI Chemicals

Figure 12 shows the 10 Virginia facilities reporting management of the greatest quantity of TRI chemicals on-site in 2022 other than releases. These facilities were:

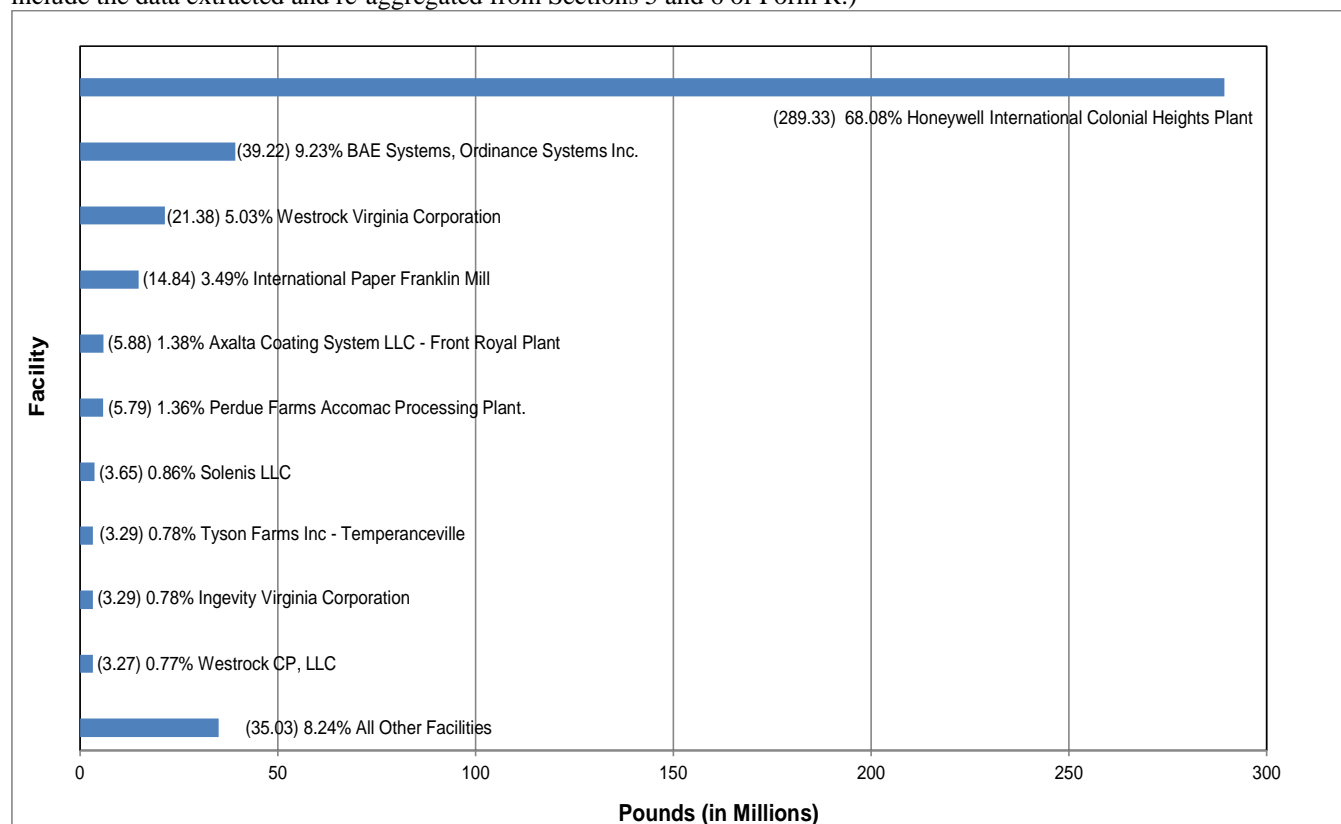
- Honeywell International Colonial Heights Plant - City of Colonial Heights
- BAE Systems, Ordinance Systems Inc. - Radford, Montgomery County
- Westrock Virginia Corporation - City of Covington
- International Paper Franklin Mill - City of Franklin
- Axalta Coating Systems, LLC - Front Royal Plant - Front Royal, Warren County
- Perdue Farms Accomack Processing Plant - Accomack County
- Solenis, LLC - Suffolk County
- Tyson Farms, Inc. - Temperanceville - Accomack County
- Ingevity Virginia Corporation - City of Covington
- Westrock CP, LLC - West Point - King William County

These facilities accounted for approximately 91.76 % (389.94 million pounds) of all reported on-site management (other than releases) in 2022.

Figure 12 shows the quantity each of these facilities managed on-site. Of the 10 facilities, five are chemical manufacturing facilities; three are paper manufacturing facilities; and two are food manufacturing facilities. See Appendix I-2 for a ranking of on-site management by facility.

### Figure 12: 2022 Top 10 Virginia Facilities Managing TRI Chemicals On-Site, Other than Releases

(From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds) for each facility, in the parentheses, and the % of total on-site management of TRI chemicals for each facility. This figure does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



## Part Three - Jurisdictions

### Jurisdictions with Facilities Reporting On-Site Releases of TRI Chemicals

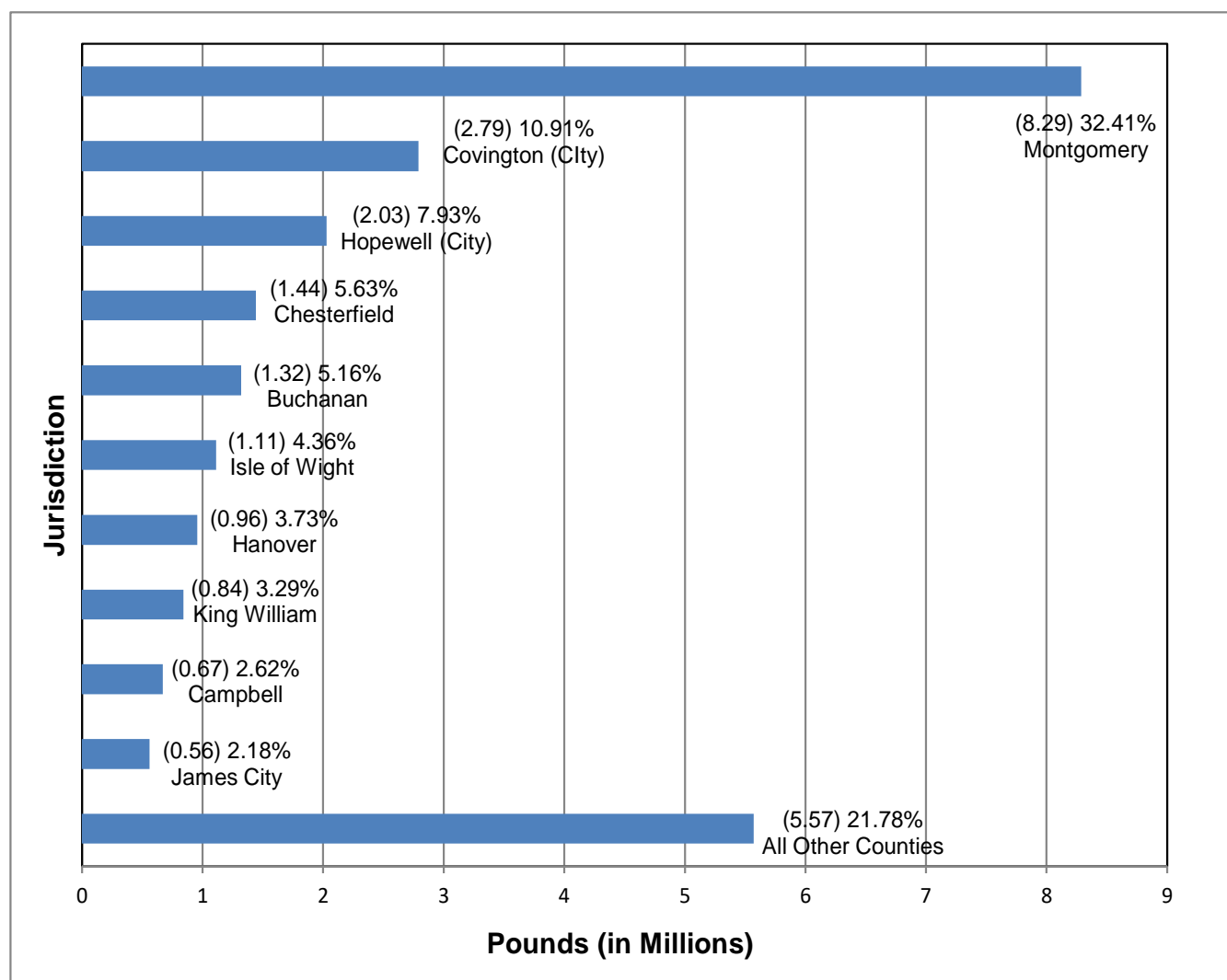
The Virginia jurisdictions (counties and independent cities) with facilities having the largest reported amount of total TRI chemicals released on-site to the environment (air, water, and land) in 2022 were: Montgomery County, City of Covington, City of Hopewell, Chesterfield County, Buchanan County, Isle of Wight County, Hanover County, King William County, Campbell County, and James City County.

The reported on-site releases occurring within these jurisdictions comprised 78.22 % (20.00 million pounds) of the total TRI chemicals released on-site into the environment by reporting facilities in Virginia.

Appendix J-1 contains a ranking of jurisdictions by the on-site releases of facilities located in each jurisdiction. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

### Figure 13. 2022 Top 10 Virginia Jurisdictions for On-Site TRI Releases Reported by Facilities

(From Section 5 of the Form R. The number next to each bar represents the total on-site releases (in millions of pounds), in the parentheses, and the % of the total on-site releases for each jurisdiction.)

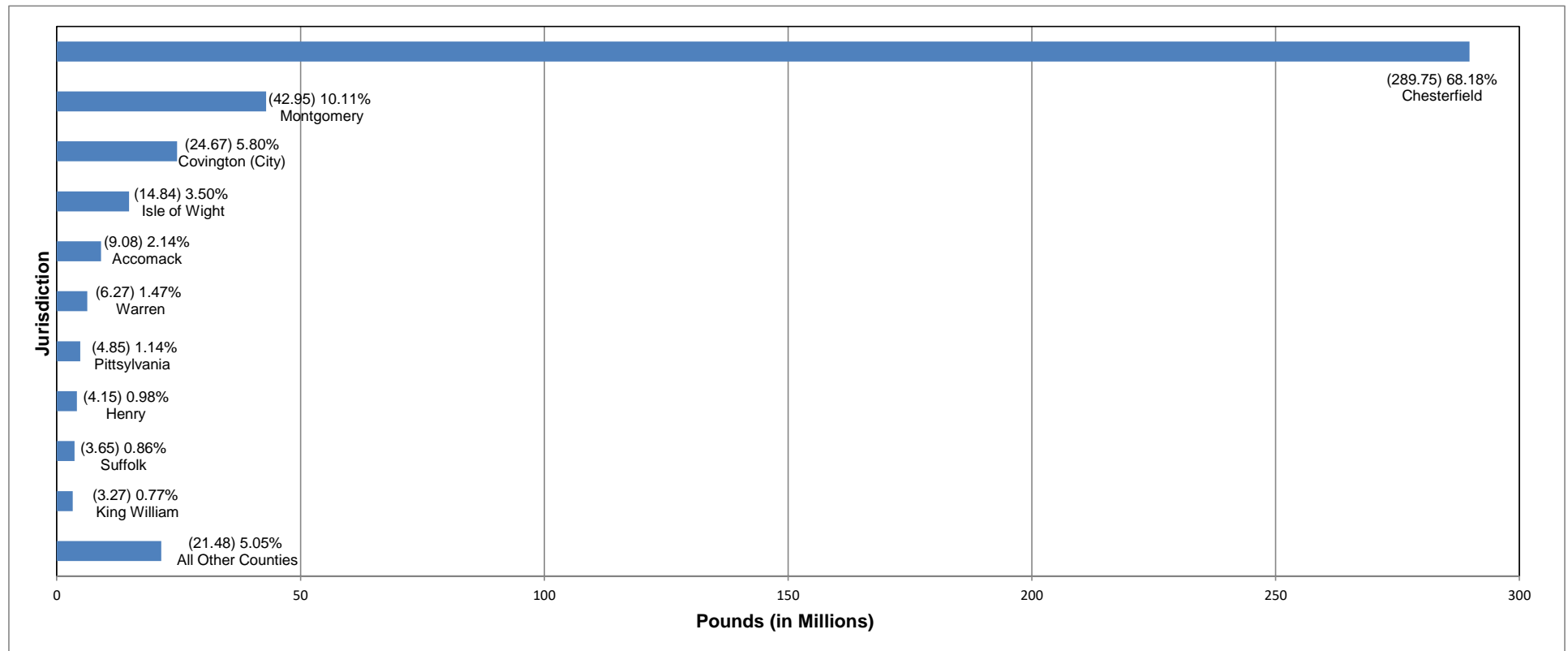


### Jurisdictions with Facilities Reporting Other On-site Management of TRI Chemicals

The Virginia jurisdictions with facilities having the largest total reportable TRI chemicals managed on-site (other than releases) were: Chesterfield County, Montgomery County, City of Covington, Isle of Wight County, Accomack County, Warren County, Pittsylvania County, Henry County, City of Suffolk and King William County. The on-site management of these chemicals in these jurisdictions comprised 94.94 % (403.49 million pounds) of the total managed on-site (other than releases) by reporting facilities in Virginia.

Appendix J-2 contains a ranking of jurisdictions by the on-site management of facilities located there. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

**Figure 14. 2022 Top 10 Virginia Jurisdictions for TRI Chemicals Managed On-Site as Reported by Facilities:** (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds), in the parentheses, and the % of the total of TRI chemicals managed on-site for each jurisdiction. Figure 14 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



## **Chapter Four – Virginia TRI Historical Comparison**

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. Over the past 30 years, various regulatory changes have occurred. In addition, facilities are authorized to revise reports from previous years. Allowing facilities to submit revised reports for previous years makes direct comparison of current data to historical reports difficult and potentially misleading. Appendix E provides further information about the changes in reporting requirements and sets out limited historical data which have been standardized.<sup>3</sup>

Nevertheless, reporting years 2020, 2021, and 2022 are generally comparable and Chapter Four presents data for those three years. All revisions for these reporting years received on or before Jan. 4, 2024, have been incorporated.

Table 6 compares TRI data for reporting years 2020 to 2022 by type of release, transfer, and on-site management.

For reporting year 2022 the total amount of on-site releases shows a decrease from the corresponding amount for reporting year 2021, off-site transfers increased, and on-site management decreased from the corresponding amounts for reporting year 2021. From 2021 to 2022 the total TRI chemicals released on-site, transferred off-site, or managed on-site decreased by 1.18 %.

Table 6 shows the changes with respect to on-site releases from reporting year 2021 to 2022, including a 0.80% increase in on-site releases to air, a 15.00 % decrease in on-site releases to water, and a 14.98 % increase in on-site releases to land. There was an overall decrease of 5.51 % for on-site releases from 2021 to 2022.

The overall quantities of TRI chemicals transferred off-site for further management or disposal increased by 7.39 % from 2021 to 2022. With respect to off-site transfers, Table 6 shows a 6.64 increase in TRI chemical being transferred off site for recycling, 14.98 % increase in TRI chemicals being transferred off site for energy recovery, and a 14.19 % increase in TRI chemicals being transferred off-site for other treatment from 2021 to 2022.

Table 6 also shows that the on-site management of TRI chemicals through treatment, recycling, or energy recovery decreased in 2022. The 2022 report data show an increase in on-site energy recovery by 4.02 %, a decrease in on-site recycling by 1.98 %, and a 2.23% decrease in on-site treatment. The overall quantities of TRI chemicals managed on-site decreased by 1.99 % for 2022.

Longer term trends can be seen in the last column of Table 6. Over three years, on-site releases of TRI chemicals decreased by 9.66 %, off-site transfers decreased by 2.90 %, and on-site management increased by 2.89 %. From 2020 through 2022, Virginia facilities reported a 1.49 % increase in the release, transfer, or other management of TRI chemicals.

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<sup>3</sup> The information in Appendix E is historical and is for general comparison purposes only.  
*Virginia TRI Report – Summary of Data*  
*from 2022 Facility Reports (issued March 2024)*

**Table 6. Comparison Summary Data by Type of Release, Transfer and On-Site Management for TRI Chemicals for 2020, 2021 and 2022**  
(from Table 1)

Management Activities	RY 2020 (Pounds)	RY 2021 (Pounds)	RY 2022 (Pounds)	Changes 2021-2022	% Change 2021-2022	% Change 2020-2022
<b>On-Site Releases</b>						
Air (Total)	14,674,288.06	13,902,322.61	14,012,907.33	110,584.72	0.80%	-4.51%
Fugitive Air	3,216,548.65	3,481,628.72	3,339,237.33	-142,391.38	-4.09%	3.81%
Stack Air	11,457,739.41	10,420,693.89	10,673,670.00	252,976.11	2.43%	-6.84%
Water	12,218,106.47	11,923,694.73	10,135,353.72	-1,788,341.00	-15.00%	-17.05%
Land	1,416,104.53	1,239,755.30	1,425,445.59	185,690.29	14.98%	0.66%
<b>Total</b>	<b>28,308,499.07</b>	<b>27,065,772.64</b>	<b>25,573,706.65</b>	<b>-1,492,065.99</b>	<b>-5.51%</b>	<b>-9.66%</b>
<b>Off-Site Transfers</b>						
POTW	14,782,044.71	13,356,709.06	13,385,726.46	29,017.40	0.22%	-9.45%
Other Off-Site Transfers	45,575,740.21	41,220,629.29	45,223,142.38	4,002,513.10	9.71%	-0.77%
Recycling	24,173,331.94	22,307,679.92	23,788,639.22	1,480,959.29	6.64%	-1.59%
Energy Recovery	4,530,339.12	3,159,121.59	3,632,267.36	473,145.77	14.98%	-19.82%
Other Treatment	14,071,673.65	13,557,001.34	15,480,379.54	1,923,378.21	14.19%	10.01%
Disposal	2,800,395.50	2,196,826.44	2,321,856.27	125,029.83	5.69%	-17.09%
<b>Total</b>	<b>60,357,784.92</b>	<b>54,577,338.35</b>	<b>58,608,868.85</b>	<b>4,031,530.50</b>	<b>7.39%</b>	<b>-2.90%</b>
<b>On-Site Management</b>						
Treated On-Site	89,232,121.35	87,681,980.85	85,729,473.58	-1,952,507.28	-2.23%	-3.93%
Recycled On-Site	320,993,150.15	343,257,849.12	336,464,255.12	-6,793,594.00	-1.98%	4.82%
Energy Recovery On-Site	2,803,158.00	2,672,179.67	2,779,497.00	107,317.33	4.02%	-0.84%
<b>Total</b>	<b>413,028,429.50</b>	<b>433,612,009.64</b>	<b>424,973,225.70</b>	<b>-8,638,783.95</b>	<b>-1.99%</b>	<b>2.89%</b>
<b>Grand Total</b>	<b>501,694,713.49</b>	<b>515,255,120.63</b>	<b>509,155,801.20</b>	<b>-6,099,319.43</b>	<b>-1.18%</b>	<b>1.49%</b>

Table 7 compares, in detail, the TRI data for PBT chemicals by type of release, transfer, and on-site management for reporting years 2020 to 2022. From 2021 to 2022, the total of PBT chemicals released on-site, transferred off-site, or managed on-site increased by 6.09 %.

The data show a decrease in releases to water and stack air, and an increase in releases to land and fugitive air of PBT chemicals compared to 2021. Table 7 also shows an increase of PBT chemicals transferred off-site and an increase in PBT chemicals managed on-site for reporting years 2020 to 2022.

**Table 7. Comparison Summary Data by Type of Release, Transfer and On-site Management for PBT chemicals for 2020, 2021 and 2022**  
(from Table 3).

Management Activities	RY 2020 (Pounds)	RY 2021 (Pounds)	RY 2022 (Pounds)	Changes 2021-2022 (Pounds)	% Change 2021-2022	% Change 2020-2022
<b>On-Site Releases</b>						
Air (Total)	12,818.97	12,032.60	12,498.74	466.14	3.87%	-2.50%
Fugitive Air	2,374.49	2,001.46	2,660.20	658.75	32.91%	12.03%
Stack Air	10,444.48	10,031.15	9,838.53	-192.61	-1.92%	-5.80%
Water	1,830.80	1,929.45	1,775.09	-154.36	-8.00%	-3.04%
Land	201,633.07	218,137.07	222,489.64	4,352.57	2.00%	10.34%
<b>Total</b>	<b>216,282.85</b>	<b>232,099.13</b>	<b>236,763.47</b>	<b>4,664.34</b>	<b>2.01%</b>	<b>9.47%</b>
<b>Off-Site Transfers</b>						
POTW	505.72	435.25	445.05	9.80	1.94%	-12.00%
Other Off-Site Transfers	510,936.90	603,533.59	639,409.13	35,875.54	7.02%	25.14%
Recycling	416,143.05	528,951.39	579,091.83	50,140.44	12.05%	39.16%
Energy Recovery	3,140.84	1,891.93	2,359.74	467.81	14.89%	-24.87%
Other Treatment	1,854.90	2,876.43	5,983.20	3,106.77	167.49%	222.56%
Disposal	89,798.11	69,813.84	51,974.37	-17,839.47	-19.87%	-42.12%
<b>Total</b>	<b>511,442.61</b>	<b>603,968.84</b>	<b>639,854.19</b>	<b>35,885.34</b>	<b>7.02%</b>	<b>25.11%</b>

	<b>RY 2020 (Pounds)</b>	<b>RY 2021 (Pounds)</b>	<b>RY 2022 (Pounds)</b>	<b>Changes 2021-2022 (Pounds)</b>	<b>% Change 2021-2022</b>	<b>% Change 2020-2022</b>
<b>Management Activities</b>						
<b>On-Site Management</b>						
Treated On-Site	8.10	6.50	6.50	0.00	0.00%	-19.75%
Recycled On-Site	75,976.00	56,901.00	70,720.20	13,819.20	18.19%	-6.92%
Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00%	0.00%
<b>Total</b>	<b>75,984.10</b>	<b>56,907.50</b>	<b>70,726.70</b>	<b>13,819.20</b>	<b>18.19%</b>	<b>-6.92%</b>
<b>Grand Total</b>	<b>803,709.56</b>	<b>892,975.47</b>	<b>947,344.35</b>	<b>54,368.88</b>	<b>6.09%</b>	<b>17.87%</b>

## **Chapter Five - Conclusion**

The 2022 Virginia TRI Report is issued pursuant to Virginia Code §10.1-1186.1. The report has information on chemicals and chemical categories, activities involving their use, industrial sectors, facilities and facility locations (jurisdictions).

The report provides information concerning listed toxic chemicals and chemical categories that are manufactured, processed, or otherwise used at Virginia facilities, including amounts released to the environment, transferred off-site and managed on-site. Industry and the public can use the data in a variety of ways, including as a measurement of progress toward reduction targets. As noted previously the majority of the releases to the environment included in the TRI report occur under a federal or state permitting program determined to be protective of human health and the environment.



## **Appendix A – Glossary of Terms**

**Coincidental Manufacture** – Production of an EPCRA section 313 chemical as a byproduct or impurity as a result of the manufacture, processing, otherwise use, treatment, disposal, or other waste management of other chemical substances.

**Energy Recovery** – Recovery of useful energy from waste mainly through combustion of chemical waste.

**Facility** – Defined for the purposes of TRI reporting as all buildings, equipment, structures, and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (entity).

**Fugitive (Non-Point) Air Releases** – Emissions to the air that are not conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills.

**Manufacture** – To produce, prepare, import, or compound a toxic chemical.

**North American Industry Classification System (NAICS)** - NAICS is the standard used by Federal statistical agencies which collect or publish data by industry. It is a system for classifying an establishment by type of economic activity.

**Off-Site Locations** – Locations outside the boundaries of a facility to which wastes are transported for treatment, energy recovery, recycling, or disposal.

**Otherwise Use** – Any use of a toxic chemical at a facility which is not covered by the definitions of manufacture or process. This includes any activities in which a listed toxic chemical does not become intentionally incorporated into the final product for distribution in commerce. Examples of otherwise use include degreasers, solvents in paints that are applied to a product, chemicals used in water treatment, and refrigerants or coolants.

**Persistent Bio-accumulative Toxic (PBT) chemical** – A chemical that is stable for a long period of time, and builds up in the environment, particularly in food chains.

**Publicly Owned Treatment Works (POTW)** – A wastewater treatment facility which is owned by a unit of the government.

**Process** – Refers to the preparation of a listed toxic chemical after its manufacture, for distribution in commerce. Processing is usually the intentional incorporation of a toxic chemical into a product. It includes making mixtures, repackaging, and using a toxic chemical as a feedstock, raw material, or starting material for making another chemical.

**Recycle** – The process of capturing a useful product from a waste stream. Solvent recovery, metals recovery, and acid regeneration are examples of recycling.

**Releases** – Refers to on-site discharges of TRI chemicals to the air, water, land, and disposal in underground injection wells (none in Virginia). They include permitted, accidental, and non-permitted discharges.

**Releases to Air** – See fugitive (non-point) air releases and stack (point source) air releases.

**Releases to Land** – Refers to landfilling, surface impoundment, land treatment/application farming or any other release of a toxic chemical to land within the boundaries of a facility.

**Releases to Water** – Refers to discharging of chemicals to surface waters such as rivers, lakes, ponds, and streams within the boundaries of a facility.

**Source Reduction/Pollution Prevention** – Activities that reduce the quantity and /or toxicity of wastes generated. Improved operation and maintenance, process and equipment modification, conservation practices, material substitution, product modification, and in-process recycling are examples of pollution prevention.

**Stack (Point Source) Air Releases** – Emissions to the air that are conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include storage tank emissions and emissions from air pollution control equipment.

**Standard Industrial Classification Code (SIC Code)** – A four digit number code designated by the Federal Office of Management and Budget to describe the type of activity(s) at a facility. The first two numbers of the code define a major business sector, and the last two numbers define a facility's specialty within the major sector.

**Toxic** – A substance that produces or causes systemic damage to an organism.

**Transfers** – Refers to TRI chemicals sent off-site for energy recovery, recycling, treatment, or disposal. They are reported as transfers to either Publicly Owned Treatment Works (POTWs) or other off-site transfers (non-POTWs) such as incinerators, landfills, other treatment, recycling, energy recovery, or disposal facilities not part of the reporting facility.

## Appendix B – Supplementary Resources

Additional TRI data and individual facility information are available for the 1997 through 2022 reporting years. If you would like additional information on specific facilities or chemicals, please call DEQ's SARA Title III Office at (804) 350-5623 or direct your request in writing to the Virginia Department of Environmental Quality, SARA Title III Office, P.O. Box 1105, Richmond, Virginia, 23218.

1. TRI data can be accessed on the Internet through DEQ SARA Title III Program web page: <https://www.deq.virginia.gov/our-programs/land-waste/superfund-amendments-and-reauthorization-act-sara/toxics-release-inventory>
2. The Form Rs submitted by facilities within the state are on file at DEQ. Any inquiries about Form R information or the TRI program in Virginia should be made to the SARA Title III Program Coordinator.
3. The U.S. Environmental Protection Agency's Toxic Release Reporting Center is the national repository for all TRI reports submitted to the EPA. The data is available via EPA's website at <https://www.epa.gov/toxics-release-inventory-tri-program/find-understand-and-use-tri>.
4. Any questions regarding the Emergency Planning and Community Right to Know Act (EPCRA) can be forwarded to EPA's toll free EPCRA call center. The phone numbers are: (800) 424-9346 (select option #4 from menu), or (703) 348-5070.
5. The Toxic Release Inventory – Made Easy Web (TRI-MEweb) includes instructions for on-line reporting and submittal of TRI reports. The TRI-MEweb Resources page on EPA's website contains guidance documents and tutorials to help facilities with TRI reporting. For more information visit EPA's website: <http://www.epa.gov/toxics-release-inventory-tri-program/tri-meweb-resources>.
6. **ENVIROFACTS** integrates data extracted from several EPA programs, including TRI. ENVIROFACTS allows users to search the database by facility name, its location, by chemical, or by NAICS code. <http://www3.epa.gov/enviro/>.
7. **TRI Explorer** is another tool provided by EPA, which allows users to search TRI data by county, facility, chemical, etc. [https://enviro.epa.gov/triexplorer/tri\\_release.chemical](https://enviro.epa.gov/triexplorer/tri_release.chemical).
8. **EPCRA Section 313** program information and consolidated list of chemicals subject to EPCRA Section 313 and other federal programs, please visit EPA's website: <http://www.epa.gov/tri/>.
9. **EPA's Risk Screening Environmental Indicators (RSEI)** is a computer based model that uses TRI data for analysis of risk-related impacts of toxic chemical releases and transfers in the US. <https://www.epa.gov/rsei>.

## **Appendix C – TRI Covered Industry Groups by North American Industry Classification System**

TRI covered industry groups are identified by the following North American Industry Classification Systems (NAICS) sub-sector codes and general industry types:

- 111 Crop Production
- 112 Poultry Production
- 211 Oil and Gas Extraction
- 212 Mining
- 221 Utilities
- 238 Specialty Trade Contractors
- 311 Food Manufacturing
- 312 Beverage and Tobacco Product Manufacturing
- 313 Textile Mills
- 314 Textile Product Mills
- 315 Apparel Manufacturing
- 316 Footwear Manufacturing
- 321 Wood Product Manufacturing
- 322 Paper Manufacturing
- 323 Printing and Related Support Activities
- 324 Petroleum and Coal Products Manufacturing
- 325 Chemical Manufacturing
- 326 Plastics and Rubber Products Manufacturing
- 327 Nonmetallic Mineral Product Manufacturing
- 331 Primary Metal Manufacturing
- 332 Fabricated Metal Product Manufacturing
- 333 Machinery Manufacturing
- 334 Computer and Electronic Product Manufacturing
- 335 Electrical Equipment, Appliance, and Component Manufacturing
- 336 Transportation Equipment Manufacturing
- 337 Furniture and Related Product Manufacturing
- 339 Miscellaneous Manufacturing
- 424 Merchant Wholesalers, Non Goods

425	Wholesale Electronic Markets and Agents and Brokers
454	Non-store Retailers
488	Other Airport Operations
493	Other Warehousing and Storage
562	Waste Management and Remediation Services
811	Repair and Maintenance
921	Executive, Legislative, and Other General Government Support
922	Justice, Public Order, and Safety Activities
924	Administration of Environmental Quality Programs
926	Administration of Economic Programs
927	Space Research and Technology
928	National Security and International Affairs

## **Appendix D - 2022 VA TRI Reporting Forms**

# Appendix D

## 2022 Toxics Release Inventory

Please note that the TRI reporting forms in this appendix are for reference only. Do not submit these forms to EPA. All facilities are required to submit their TRI data electronically using the TRI-MEweb application, per the TRI Electronic Reporting Rule. A link to the reporting rule language can be found at the following address:  
<http://www.epa.gov/toxics-release-inventory-tri-program/electronic-reporting-toxics-release-inventory-data>.

EPA United States Environmental Protection Agency		FORM R Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also Known as Title III of the Superfund Amendments and Reauthorization Act		Form Approved OMB Number: 2070-0212 Approval Expires: 03/31/2024		Page 1 of 6	
				TRI Facility ID Number			
				Toxic Chemical, Category, or Generic Name			
Complete form online via TRI-MEweb. For a trade secret submission, send completed forms to TRI Reporting Center, P. O. Box 10163, Fairfax, VA 22038. The annual public burden related to the Form R is estimated to average 35.71 hours per response for a facility filing a report on one chemical. See the Reporting Forms and Instructions for more information on submissions and the Paperwork Reduction Act.							
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.		Revision (Enter up to two code(s))		Withdrawal (Enter up to two code(s))			
IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.							
PART 1. FACILITY IDENTIFICATION INFORMATION							
SECTION 1. REPORTING YEAR							
SECTION 2. TRADE SECRET INFORMATION							
2.1 Are you claiming the toxic chemical identified on page 2 as a trade secret?		2.2 Is this copy		Sanitized		Unsanitized	
<input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms)		<input type="checkbox"/> No (Do not answer 2.2; go to Section 3)		(Answer only if "Yes" in 2.1)			
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)							
I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.							
Name and official title of owner/operator or senior management official:				Signature:		Date signed:	
SECTION 4. FACILITY IDENTIFICATION							
Facility or Establishment Name		TRI Facility ID Number		BIA Code			
4.1 Physical Street Address		Mailing Address (if different from physical street address)					
City/County/State/ZIP Code		City/State/ZIP Code		Country (Non-US)			
4.2 This report contains information for:		a. <input type="checkbox"/> An entire facility		b. <input type="checkbox"/> Part of a facility		c. <input type="checkbox"/> A federal facility	
		d. <input type="checkbox"/> GOCO					
4.3 Technical Contact Name		Telephone Number (include area code and ext.)					
Email Address							
4.4 Public Contact Name		Telephone Number (include area code and ext.)					
Email Address							
4.5 NAICS Code(s) (6 digits)		Primary					
		a.		b.		c.	
		d.		e.		f.	
4.6 Dun & Bradstreet Number(s) (9 digits)		a.					
		b.					
SECTION 5. PARENT COMPANY INFORMATION							
5.1 Name of U.S. Parent Company (for TRI Reporting purposes)		No U.S. Parent Company (for TRI Reporting purposes)					
5.2 Parent Company's Dun & Bradstreet Number		NA <input type="checkbox"/>					

EPA Form 9350-1 (Rev. 07/2020). Previous editions are obsolete.

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<b>FORM R</b>		TRI Facility ID Number		
<b>Part II. CHEMICAL-SPECIFIC INFORMATION</b>		Toxic Chemical, Category, or Generic Name		
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b> (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)				
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)			
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)			
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)			
<b>SECTION 2. MIXTURE COMPONENT IDENTITY</b> (Important: DO NOT complete this section if you completed Section 1.)				
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)			
<b>SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY</b> (Important: Check all that apply.)				
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	
a. <input type="checkbox"/> Produce b. <input type="checkbox"/> Import		3.3		
If Produce or Import		Otherwise use the toxic chemical:		
c. <input type="checkbox"/> For on-site use/processing		a. <input type="checkbox"/> As a chemical processing aid		
d. <input type="checkbox"/> For sale/distribution		b. <input type="checkbox"/> As a manufacturing aid		
e. <input type="checkbox"/> As a byproduct		c. <input type="checkbox"/> Ancillary or other use		
f. <input type="checkbox"/> As an impurity				
a. <input type="checkbox"/> As a reactant		Enter 4-digit code(s) from instruction package		
b. <input type="checkbox"/> As a formulation component				
c. <input type="checkbox"/> As an article component				
d. <input type="checkbox"/> Repackaging				
e. <input type="checkbox"/> As an impurity				
f. <input type="checkbox"/> Recycling				
<b>SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR</b>				
4.1	(Enter two-digit code from instruction package.)			
<b>SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE</b>				
		A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater
5.1	Fugitive or non-point air emissions	NA <input type="checkbox"/>		
5.2	Stack or point air emissions	NA <input type="checkbox"/>		
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA <input type="checkbox"/>		
Stream or Water Body Name		Reach Code (optional)		
5.3.1				
5.3.2				
If additional pages of Part II, Section 3.2 and 3.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Part II, Section 3.2 and 3.3 page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.)				
If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Part II, Section 5.3 page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.)				

EPA form 9350 -1 (Rev. 07/2020). Previous editions are obsolete.

\*For Dioxin or Dioxin-like compounds, report in grams/year.

\*\*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.



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<b>FORM R</b>				TRI Facility ID Number
<b>Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>				Toxic Chemical, Category, or Generic Name
<b>SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (continued)</b>				
		NA	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)
5.4-5.5	Disposal to land on-site			
5.4.1	Class I Underground Injection Wells	<input type="checkbox"/>		
5.4.2	Class II-V Underground Injection Wells	<input type="checkbox"/>		
5.5.1A	RCRA Subtitle C landfills	<input type="checkbox"/>		
5.5.1B	Other landfills	<input type="checkbox"/>		
5.5.2	Land treatment/application farming	<input type="checkbox"/>		
5.5.3A	RCRA Subtitle C surface impoundments	<input type="checkbox"/>		
5.5.3B	Other surface impoundments	<input type="checkbox"/>		
5.5.4	Other disposal	<input type="checkbox"/>		
<b>Optional Waste Rock Piles Information</b>				
You may check this box if your Section 5.5 quantities include "waste rock piles." <input type="checkbox"/> Enter quantity of "waste rock piles" (pounds/year*) <input type="text"/>				
<b>SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS</b>				
6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs) NA <input type="checkbox"/>				
6.1. POTW Name <input type="text"/>				
POTW Address <input type="text"/>				
City <input type="text"/>		County <input type="text"/>	State <input type="text"/>	ZIP <input type="text"/>
A. Quantity Transferred to this POTW (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Disposal/Treatment (Enter code)
1. <input type="text"/>		1. <input type="text"/>		1. P <input type="text"/>
2. <input type="text"/>		2. <input type="text"/>		2. P <input type="text"/>
3. <input type="text"/>		3. <input type="text"/>		3. P <input type="text"/>
If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box <input type="text"/>				
and indicate the Part II, Section 6.1 page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.)				
<b>SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS</b> NA <input type="checkbox"/>				
6.2. Off-Site EPA Identification Number (RCRA ID No.) <input type="text"/>				
Off-Site Location Name: <input type="text"/>				
Off-Site Address: <input type="text"/>				
City <input type="text"/>		County <input type="text"/>	State <input type="text"/>	ZIP <input type="text"/> Country (non-US) <input type="text"/>
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No				

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\*For Dioxin or Dioxin-like compounds, report in grams/year.  
\*\*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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<b>FORM R</b>		TRI Facility ID Number
<b>Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>		Toxic Chemical, Category, or Generic Name
<b>SECTION 6.2. TRANSFERS TO OTHER OFF-SITE LOCATION (CONTINUED)</b>		
<b>A. Total Transfer</b> (pounds/year*) (Enter a range code** or estimate)	<b>B. Basis of Estimate</b> (Enter code)	<b>C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery</b> (Enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
6.2 Off-Site EPA Identification Number (RCRA ID No.)		
Off-Site Location Name:		
Off-Site Address:		
City	County	State ZIP Country (non-US)
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>A. Total Transfer</b> (pounds/year*) (Enter a range code** or estimate)	<b>B. Basis of Estimate</b> (Enter code)	<b>C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery</b> (Enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
<b>SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY</b>		
<input type="checkbox"/> Not Applicable (NA) - Check here if no on-site waste treatment method is applied to any waste stream containing the toxic chemical or chemical category.		
<b>a. General Waste Stream</b> (Enter code)	<b>b. Waste Treatment Method(s) Sequence</b> (Enter 3- or 4-character code(s))	<b>c. Waste Treatment Efficiency</b> (Enter 2 character code)
7A.1a	7A.1b	7A.1c
3	1	2
6	4	5
6	7	8
7A.2a	7A.2b	7A.2c
3	1	2
6	4	5
6	7	8
7A.3a	7A.3b	7A.3c
3	1	2
6	4	5
6	7	8
7A.4a	7A.4b	7A.4c
3	1	2
6	4	5
6	7	8
7A.5a	7A.5b	7A.5c
3	1	2
6	4	5
6	7	8
If additional pages of Part II, Section 6.2/7.A are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.2/7.A page number in this box. (Example: 1, 2, 3, etc.)		

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\*For Dioxin or Dioxin-like compounds, report in grams/year.  
\*\*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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FORM R		TRI Facility ID Number		
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)		Toxic Chemical, Category, or Generic Name		
<b>SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES</b>				
<input type="checkbox"/> NA Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.				
Energy Recovery Methods (Enter 3-character code(s))				
1		2		
<b>SECTION 7C. ON-SITE RECYCLING PROCESSES</b>				
<input type="checkbox"/> NA Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.				
Recycling Methods (Enter 3-character code(s))				
1.		2.		
<b>SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT</b>				
	Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
<b>8.1 – 8.7 Production-Related Waste Managed</b>				
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills			
8.1b	Total other on-site disposal or other releases			
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills			
8.1d	Total other off-site disposal or other releases			
8.2	Quantity used for energy recovery on-site			
8.3	Quantity used for energy recovery off-site			
8.4	Quantity recycled on-site			
8.5	Quantity recycled off-site			
8.6	Quantity treated on-site			
8.7	Quantity treated off-site			
8.8	Non-Production-Related Waste Managed**			
8.9	<input type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to the right)			
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA. NA <input type="checkbox"/>			
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))		Estimated annual reduction (Enter code(s)) (optional)
8.10.1		a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

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\*For Dioxin or Dioxin-like compounds, report in grams/year.

\*\*Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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<b>FORM R</b>		TRI Facility ID Number
<b>Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>		
<b>SECTION 8.11. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES</b>		Toxic Chemical, Category, or Generic Name
<b>8.11</b>	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here.	
<b>SECTION 9. MISCELLANEOUS INFORMATION</b>		
<b>9.1</b>	If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.	

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		FORM R Schedule 1										TRI Facility ID Number
		PART II. CHEMICAL-SPECIFIC INFORMATION (continued)										
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE												
		5.1	NA		5.2	NA		5.3	Discharges to receiving streams or water bodies (Enter data for one stream or water body per box)		NA	
		Fugitive or non-point air emissions			Stack or point air emissions			5.3.1		5.3.2	5.3.3	
D. Mass (grams) of each compound in the category (1-17)	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
If additional pages of Section 5.3 are attached, indicate the total number of pages in this box								See the Reporting Forms and Instructions for information on submissions and the Paperwork Reduction Act.				
and indicate the Section 5.3 page number in this box (Example: 1, 2, 3, etc.)												

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FORM R Schedule 1										TRI Facility ID Number															
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)																									
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE																									
5.4 – 5.5 Disposal to land on-site																									
		5.4.1	NA		5.4.2	NA		5.5.1.A	NA		5.5.1.B	NA		5.5.2	NA		5.5.3.A	NA		5.5.3.B	NA		5.5.4	NA	
		Class I Underground Injection Wells			Class II-V Underground Injection Wells			RCRA Subtitle C landfills			Other landfills			Land treatment/ application farming			RCRA Subtitle C surface impoundments			Other surface impoundments			Other disposal		
C. Mass (grams) of each compound in the category (1-17)	1																								
	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	10																								
	11																								
	12																								
	13																								
	14																								
	15																								
	16																								
	17																								

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FORM R Schedule 1										TRI Facility ID Number
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)										
SECTION 6. TRANSFERS OF DIOXIN AND DIOXIN-LIKE COMPOUNDS IN WASTES TO OFF-SITE LOCATIONS										
6.1. DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)										NA <input type="text"/>
6.1	D. Mass (grams) of Each Compound in the Category (1-17)									
1.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
2.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
3.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
6.1	D. Mass (grams) of Each Compound in the Category (1-17)									
1.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
2.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
3.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS										NA <input type="text"/>
6.2	D. Mass (grams) of Each Compound in the Category (1-17)									
1.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
2.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
3.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
6.2	D. Mass (grams) of Each Compound in the Category (1-17)									
1.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
2.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
3.	1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17		
If additional pages of Section 6.1 or 6.2 are attached, indicate the total number of pages in this box <input type="text"/>										
and indicate the Section 6.1 or 6.2 page number in this box <input type="text"/> (Example: 1, 2, 3, etc.)										

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FORM R Schedule 1											TRI Facility ID Number
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTIONS 8.1-8.8. WASTE MANAGEMENT QUANTITIES FOR DIOXIN AND DIOXIN-LIKE COMPOUNDS (current year only)											
8.1-8.7 Production-related waste managed											
	8.1a	8.1b	8.1c	8.1d	8.2	8.3	8.4	8.5	8.6	8.7	8.8 Non-production related waste managed*
	Total on-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	Total other on-site disposal or other releases	Total off-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	Total other off-site disposal or other releases	Quantity used for energy recovery on-site	Quantity used for energy recovery off-site	Quantity recycled on-site	Quantity recycled off-site	Quantity treated on-site	Quantity treated off-site	
Column 1: Mass (grams) of each compound in the category (1-17)	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										

\*Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes.


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 <b>TOXICS RELEASE INVENTORY FORM A</b>	
Complete form online via TRI-MEweb. For a trade secret submission, send completed forms to TRI Reporting Center, P. O. Box 10163, Fairfax, VA 22038. The annual public burden related to the Form A is estimated to average 21.96 hours per response for a facility filing a report on one chemical. See the Reporting Forms and Instructions for more information on submissions and the Paperwork Reduction Act.	
TRI Facility ID Number	
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.	Revision (Enter up to two code(s)) <input type="text"/> <input type="text"/>
Withdrawal (Enter up to two code(s)) <input type="text"/> <input type="text"/>	
<b>IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.</b>	
<b>PART I. FACILITY IDENTIFICATION INFORMATION</b>	
<b>SECTION 1. REPORTING YEAR</b> _____	
<b>SECTION 2. TRADE SECRET INFORMATION</b>	
2.1 Are you claiming the toxic chemical identified on page 2 as a trade secret? <input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms) <input type="checkbox"/> No (Do not answer 2.2; go to Section 3)	2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "Yes" in 2.1)
<b>SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)</b>	
I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in this statement, the annual reportable amount as defined in 40 CFR 372.27(a), did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year.	
Name and official title of owner/operator or senior management official:	Signature: _____ Date signed: _____
<b>SECTION 4. FACILITY IDENTIFICATION</b>	
4.1 Facility or Establishment Name	TRI Facility ID Number
Physical Street Address	BIA Code
City/County/State/ZIP Code	Mailing Address (if different from physical street address)
City/State/ZIP Code	Country (Non-US)
4.2 This report contains information for: (Important: Check c or d if applicable)	c. <input type="checkbox"/> A Federal Facility d. <input type="checkbox"/> GOCO
4.3 Technical Contact Name	Telephone Number (include area code and ext.)
Email Address	
4.4 Public Contact Name	Telephone Number (include area code and ext.)
Email Address	
4.5 NAICS Code(s) (6 digits)	Primary a. _____ b. _____ c. _____ d. _____ e. _____ f. _____
4.6 Dun & Bradstreet Number(s) (9 digits)	a. _____ b. _____
<b>SECTION 5. PARENT COMPANY INFORMATION</b>	
5.1 Name of U.S. Parent Company (for TRI Reporting purposes)	No U.S. Parent Company <input type="checkbox"/> (for TRI Reporting purposes)
5.2 Parent Company's Dun & Bradstreet Number	NA <input type="checkbox"/>

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<b>EPA FORM A</b>		TRI Facility ID Number
<b>PART II. CHEMICAL IDENTIFICATION</b>		
Do not use this form for reporting PBT chemicals, including Dioxin and Dioxin-like Compounds*		
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b>		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
<b>SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)</b>		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
<b>SECTION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CHEMICAL</b>		
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b>		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
<b>SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)</b>		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
<b>SECTION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CHEMICAL</b>		
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	

\*See the TRI Reporting Forms and Instructions manual for the list of PBT Chemicals (including Dioxin and Dioxin-like Compounds)

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(Make additional copies of this page, if needed)

## **Appendix E -VA TRI Historical Trend**

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. As a result, over the past 33 years, major regulatory changes have occurred that have made the direct historical comparison of releases from 1988 to 2022 difficult and potentially misleading. The information in Appendix E is historical and for general comparison purposes only.

During the early years of the program there were no major reporting changes. From 1988 until 1994 the consistency between reporting sectors and chemicals made comparison straightforward.

The first major change in reporting requirements was the addition of 286 chemicals and chemical categories to the TRI list beginning with reporting year 1995. The addition of chemicals in reporting year 1995 created a new baseline for TRI comparisons. A second major change was the inclusion of seven new non-manufacturing sectors (sectors that had not previously reported) to the TRI facility coverage beginning in the 1998 reporting year. With this change, 1998 became the new baseline for historical comparison. The third major change began with reporting year 2000, when seven chemicals and two chemical categories were added to the TRI chemical list. These chemicals, and chemical categories must be subtracted from reporting year 2000, 2001, and 2002 data to make comparisons to 1998 and 1999 more accurate. A fourth major change for reporting year 2011 was the inclusion of 16 new chemicals to the list of reportable chemicals. Of the 16 new chemicals which were added, four of these are classified as Polycyclic Aromatic Compounds (PACs). PACs are Persistent Bio-accumulative Toxins (PBTs) chemicals, and as such, they are likely to remain in the environment for a very long time, are not readily destroyed, and may build up or accumulate in body tissue. Hydrogen Sulfide was added to the list in reporting year 2012 following the lifting of an administrative stay on Oct. 17, 2012. Ortho-Nitrotoluene was added to the list in reporting year 2016 following a final rule published by EPA which became effective on Nov. 29, 2013. The Nonylphenol category of chemicals was added to the 2022 reporting year chemicals list in a final rule effective on Sept. 20, 2016. The hexabromocyclododecane category was added to the chemical list in November 2021. The 2020 National Defense Authorization Act (NDAA) added 172 PFAS to the list of chemicals required to be reported to the Toxics Release Inventory (TRI) and established a 100-pound reporting threshold for these substances. As this action was taken to conform the TRI regulations to a Congressional legislative mandate, the rule became effective immediately. Per the NDAA requirements, the PFAS additions were effective as of January 1, 2021, and reporting forms for these PFAS chemicals were due on July 1, 2022, for calendar year 2021 data.

It should be noted beginning with reporting year 2001, lead and lead compounds were re-designated as PBT chemicals, and the threshold for reporting was reduced to 100 pounds. This caused facilities to submit more reports for lead and lead compounds for reporting years 2001 and 2002.

Table E-1 shows the amounts of releases to each media for reporting years 2008 through 2018 (without specified PBTs, or vanadium and vanadium compounds). Facility revisions for previous reporting years were not included in this comparison of on-site releases.

# Appendix E

## 2022 Toxics Release Inventory

**Table E-1. On-Site Releases Comparison from 2009 – 2019** (from Section 5 of Form R)

Chapter Four of the Virginia 2022 TRI Report covers the reporting period 2020 to 2022, and includes all chemicals and chemical compounds, and all facility revisions received through January 9, 2023.

Media	2009 (pounds)	2010 (pounds)	2011 (pounds)	2012 (pounds)	2013 (pounds)	2014 (pounds)	2015 (pounds)	2016 (pounds)	2017 (pounds)	2018 (pounds)	2019 (pounds)	Percent Change 2009 - 2019
Air	26,946,032	24,617,658	19,972,183	18,404,743	20,651,918	20,388,755	18,020,039	19,059,859	16,511,870	16,508,457	15,078,986	-44.04%
Water	18,301,212	17,687,071	16,714,204	11,763,752	11,707,977	11,164,687	11,535,717	13,571,328	11,297,989	9,137,578	10,824,346	-40.85%
Land	3,312,996	3,247,285	2,545,232	2,515,236	3,695,524	3,637,625	2,939,038	3,541,541	2,986,889	2,602,409	1,488,490	-55.07%
Total	48,560,240	78,463,236	39,231,618	32,683,731	36,055,419	35,191,067	32,494,794	36,172,727	30,796,747	28,248,444	27,391,822	-43.59%

## **Appendix F - 2022 Summary of Facilities, Chemical Releases, Transfers and Management (Non-PBT)**

# Appendix F: 2022 Summary of Facilities, Chemical Releases, Transfers, and Management (Non-PBT)

## Alphabetical Listing by Facility Within Each County/Independent City

### 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
<b>ACCOMACK</b>	<b>COMMONWEALTH CHESAPEAKE POWER STATION</b>							<b>3415 WHITE OAK WAY</b>				<b>NAICS Code</b>	<b>221112</b>
NAPHTHALENE	N	5	50	55	0	0	55	0	0	0	0	0	0
Total for COMMONWEALTH CHESAPEAKE POWE		<b>5</b>	<b>50</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ACCOMACK</b>	<b>PERDUE FOODS LLC - ACCOMAC PROCESSING PLANT</b>							<b>22520 LANKFORD HWY</b>				<b>NAICS Code</b>	<b>311615</b>
AMMONIA	N	17,696	0	17,696	0	76	17,772	0	0	894,412	894,412	0	0
HYDROGEN SULFIDE	N	6,474	0	6,474	0	0	6,474	0	0	52,900	52,900	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	423,583	423,583	0	0	4,495,541	4,495,541	0	0
PERACETIC ACID	N	0	0	0	0	176	176	0	0	351,907	351,907	0	0
Total for PERDUE FOODS LLC - ACCOMAC PROC		<b>24,170</b>	<b>0</b>	<b>24,170</b>	<b>0</b>	<b>423,835</b>	<b>448,005</b>	<b>0</b>	<b>0</b>	<b>5,794,760</b>	<b>5,794,760</b>	<b>0</b>	<b>0</b>
<b>ACCOMACK</b>	<b>TYSON FARMS INC-TEMPERANCEVILLE</b>							<b>11224 LANKFORD HWY</b>				<b>NAICS Code</b>	<b>311615</b>
AMMONIA	N	0	188	188	0	49	237	0	0	42,197	42,197	0	78
CHLORINE DIOXIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	77,998	77,998	0	0	2,901,142	2,901,142	0	2,183
PERACETIC ACID	N	1,680	0	1,680	0	0	1,680	0	0	346,481	346,481	0	0
Total for TYSON FARMS INC-TEMPERANCEVILLE		<b>1,680</b>	<b>188</b>	<b>1,868</b>	<b>0</b>	<b>78,047</b>	<b>79,915</b>	<b>0</b>	<b>0</b>	<b>3,289,820</b>	<b>3,289,820</b>	<b>0</b>	<b>2,261</b>
<b>ACCOMACK</b>	<b>U.S. NASA GSFC WALLOPS FLIGHT FACILITY</b>							<b>34200 FULTON STREET</b>				<b>NAICS Code</b>	<b>927110</b>
NAPHTHALENE	N	0	14	14	0	0	14	0	0	0	0	0	14

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for U.S. NASA GSFC Wallops Flight Facility		0	14	14	0	0	14	0	0	0	0	0	14
Total for Above County : (10 reports)		25,855	252	26,106	0	501,882	527,988	0	0	9,084,580	9,084,580	0	2,275
<b>ALBEMARLE</b>	<b>INTERNATIONAL COLD STORAGE</b>							<b>5678 HEARDS MOUNTAIN RD</b>				<b>NAICS Code</b>	<b>333415</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for INTERNATIONAL COLD STORAGE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>ALLEGHANY</b>	<b>LOW MOOR CT STATION</b>							<b>9319 RICH PATCH RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for LOW MOOR CT STATION		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0
<b>AMELIA</b>	<b>AMELIA LUMBER CO INC</b>							<b>8680 CROWDER ST</b>				<b>NAICS Code</b>	<b>321114</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for AMELIA LUMBER CO INC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>AMHERST</b>	<b>COOPER STEEL</b>							<b>275 FRANCIS AVE</b>				<b>NAICS Code</b>	<b>332312</b>
CHROMIUM	N	0	0	0	0	1	1	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	122	3	126	0	20	146	0	0	0	0	0	376
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for COOPER STEEL		123	3	126	0	21	147	0	0	0	0	0	376
<b>AMHERST</b>		<b>GREIF PACKAGING LLC</b>						<b>861 FIBRE PLANT RD</b>				<b>NAICS Code</b>	<b>322110</b>
ACETALDEHYDE	N	2,929	40,049	42,978	0	0	42,978	44,652	0	17,225	61,877	0	0
METHANOL	N	6,537	276,754	283,291	0	0	283,291	48,885	0	94,235	143,120	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	2,514	2,514	0	0	215,112	215,112	0	0
Total for GREIF PACKAGING LLC		9,466	316,803	326,269	0	2,514	328,783	93,537	0	326,572	420,109	0	0
Total for Above County : (7 reports)		9,589	316,806	326,395	0	2,535	328,930	93,537	0	326,572	420,109	0	376
<b>ARLINGTON</b>		<b>ALLIED AVIATION FUELING CO INC</b>						<b>RONALD REAGAN NATIONAL AIRPORT</b>				<b>NAICS Code</b>	<b>424710</b>
BENZENE	N	0	155	155	0	0	155	0	0	0	0	0	0
CYCLOHEXANE	N	0	155	155	0	0	155	0	0	0	0	0	0
ETHYLBENZENE	N	7	161	168	0	0	168	0	0	0	0	0	123
METHYL TERT-BUTYL ETHER	N	0	310	310	0	0	310	0	0	0	0	0	0
NAPHTHALENE	N	15	192	208	0	0	208	0	0	0	0	0	733
N-HEXANE	N	0	155	155	0	0	155	0	0	0	0	0	0
TOLUENE	N	0	776	776	0	0	776	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	0	631	631	0	0	631	0	0	0	0	0	0
Total for ALLIED AVIATION FUELING CO INC		22	2,537	2,559	0	0	2,559	0	0	0	0	0	855

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>ARLINGTON</b>	<b>VIRGINIA CONCRETE SHIRLINGTON PLANT</b>							<b>2651 SHIRLINGTON RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	423	423	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SHIRLINGTON PLA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>423</b>	<b>423</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (9 reports)		<b>22</b>	<b>2,537</b>	<b>2,559</b>	<b>0</b>	<b>423</b>	<b>2,982</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>855</b>
<b>AUGUSTA</b>	<b>ACCUTEC BLADES, INC.</b>							<b>57 RAZOR BLADE LN</b>				<b>NAICS Code</b>	<b>332215</b>
AMMONIA	N	454	30	484	0	0	484	0	0	0	0	0	0
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	31,154
Total for ACCUTEC BLADES, INC.		<b>454</b>	<b>30</b>	<b>484</b>	<b>0</b>	<b>0</b>	<b>484</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,154</b>
<b>AUGUSTA</b>	<b>BALL ADVANCED ALUMINUM TECHNOLOGIES CORP</b>							<b>56 DUNSMORE RD</b>				<b>NAICS Code</b>	<b>331524</b>
ALUMINUM (FUME OR DUST)	N	0	14,000	14,000	0	0	14,000	0	0	0	0	0	24,122
Total for BALL ADVANCED ALUMINUM TECHNOLO		<b>0</b>	<b>14,000</b>	<b>14,000</b>	<b>0</b>	<b>0</b>	<b>14,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,122</b>
<b>AUGUSTA</b>	<b>CERRO FABRICATED PRODUCTS LLC</b>							<b>300 TRIANGLE DR</b>				<b>NAICS Code</b>	<b>332112</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	227,828
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	3,049	2,744
NITRIC ACID	N	0	0	0	0	0	0	0	0	33,580	33,580	0	0
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	6	200,565
Total for CERRO FABRICATED PRODUCTS LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33,580</b>	<b>33,580</b>	<b>3,055</b>	<b>431,137</b>
<b>AUGUSTA</b>	<b>DEGESCH AMERICA INC</b>							<b>153 TRIANGLE DR</b>				<b>NAICS Code</b>	<b>325320</b>
ALUMINUM PHOSPHIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
AMMONIA	N	5	41	46	0	0	46	0	0	0	0	0	0
PHOSPHINE	N	5	0	5	0	0	5	0	0	0	0	0	0
Total for DEGESCH AMERICA INC		10	41	51	0	0	51	0	0	0	0	0	0
<b>AUGUSTA</b>		<b>GROTTOES PLASTICS PLANT</b>						<b>149 GRAND CAVERNS DR</b>				<b>NAICS Code</b>	<b>326113</b>
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GROTTOES PLASTICS PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>AUGUSTA</b>		<b>MASTIC HOME EXTERIORS</b>						<b>185 JOHNSON DR</b>				<b>NAICS Code</b>	<b>326199</b>
ANTIMONY COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MASTIC HOME EXTERIORS		0	0	0	0	0	0	0	0	0	0	0	0
<b>AUGUSTA</b>		<b>NIBCO OF VIRGINIA INC.</b>						<b>131 JOHNSON DRIVE</b>				<b>NAICS Code</b>	<b>332112</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	83
COPPER	N	7,250	4,506	11,756	0	16	11,772	0	0	0	0	12	201,224
Total for NIBCO OF VIRGINIA INC.		7,250	4,506	11,756	0	16	11,772	0	0	0	0	12	201,306
<b>AUGUSTA</b>		<b>SHAMROCK FOODS DAIRY DIV</b>						<b>318 MILL PL PKWY</b>				<b>NAICS Code</b>	<b>311511</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	72,509
NITRIC ACID	N	5	5	10	0	0	10	0	0	0	0	8	8
Total for SHAMROCK FOODS DAIRY DIV		5	5	10	0	0	10	0	0	0	0	8	72,517
<b>AUGUSTA</b>		<b>SUNLITE PLASTICS INC.</b>						<b>846 KEEZLETOWN RD</b>				<b>NAICS Code</b>	<b>326199</b>

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DI(2-ETHYLHEXYL) PHTHALATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUNLITE PLASTICS INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>AUGUSTA</b>		<b>THE LYCRA COMPANY LLC</b>						<b>400 DU PONT BLVD</b>				<b>NAICS Code</b>	<b>325220</b>
DIISOCYANATES	N	18	0	18	0	0	18	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	37,000	37,000	0	0	36,000	36,000	0	0
Total for THE LYCRA COMPANY LLC		18	0	18	0	37,000	37,018	0	0	36,000	36,000	0	0
<b>Total for Above County : (21 reports)</b>		<b>7,737</b>	<b>18,582</b>	<b>26,319</b>	<b>0</b>	<b>37,016</b>	<b>63,335</b>	<b>0</b>	<b>0</b>	<b>69,580</b>	<b>69,580</b>	<b>3,076</b>	<b>760,237</b>
<b>BEDFORD</b>		<b>GP BIG ISLAND, LLC</b>						<b>9363 LEE-JACKSON HWY</b>				<b>NAICS Code</b>	<b>322120</b>
ACETALDEHYDE	N	1,300	53,000	54,300	13	640	54,953	45,000	0	7,900	52,900	0	0
AMMONIA	N	500	8,500	9,000	0	890	9,890	0	0	0	0	0	0
HYDROGEN SULFIDE	N	14,320	0	14,320	22	3	14,345	0	0	160,000	160,000	0	0
MANGANESE COMPOUNDS	N	9	45	54	56,000	4,200	60,254	0	0	0	0	0	0
METHANOL	N	4,400	290,000	294,400	614	1,500	296,514	130,000	0	540,000	670,000	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	507	22,000	22,507	0	0	0	0	0	0
Total for GP BIG ISLAND, LLC		20,529	351,545	372,074	57,156	29,233	458,463	175,000	0	707,900	882,900	0	0
<b>BEDFORD</b>		<b>SUNBELT FOREST PRODUCTS, INC</b>						<b>1220 HENDRICKS STORE RD</b>				<b>NAICS Code</b>	<b>321114</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUNBELT FOREST PRODUCTS, INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (7 reports)</b>		<b>20,529</b>	<b>351,545</b>	<b>372,074</b>	<b>57,156</b>	<b>29,233</b>	<b>458,463</b>	<b>175,000</b>	<b>0</b>	<b>707,900</b>	<b>882,900</b>	<b>0</b>	<b>0</b>

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Chemical Name	form A*												
<b>BLAND</b>	<b>HITACHI ENERGY USA INC.</b>							<b>171 INDUSTRY DRIVE</b>				<b>NAICS Code</b>	<b>335311</b>
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	20,037
NICKEL COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	7,378
Total for HITACHI ENERGY USA INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27,415</b>
<b>BLAND</b>	<b>HITACHI ENERGY USA, INC.</b>							<b>171 INDUSTRY DRIVE</b>				<b>NAICS Code</b>	<b>335311</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	248,416
Total for HITACHI ENERGY USA, INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>248,416</b>
<b>BLAND</b>	<b>PASCOR ATLANTIC CORP</b>							<b>254 INDUSTRY DR</b>				<b>NAICS Code</b>	<b>335313</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	15,194
Total for PASCOR ATLANTIC CORP		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,194</b>
<b>Total for Above County : (4 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>291,025</b>
<b>BOTETOURT</b>	<b>ALTEC INDUSTRIES, INC.</b>							<b>325 SOUTH CENTER DRIVE</b>				<b>NAICS Code</b>	<b>336211</b>
MANGANESE	N	4	0	4	0	0	4	0	0	0	0	0	57,900
Total for ALTEC INDUSTRIES, INC.		<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57,900</b>
<b>BOTETOURT</b>	<b>DYNAX AMERICA CORP</b>							<b>568 E PARK DR</b>				<b>NAICS Code</b>	<b>336350</b>
HYDROCHLORIC ACID (ACID AERO	N	0	3,693	3,693	0	0	3,693	0	0	91,178	91,178	0	0
METHANOL	N	25,697	6,908	32,605	0	0	32,605	0	0	697,587	697,587	0	7,780
METHYL ISOBUTYL KETONE	N	436	127	563	0	0	563	0	0	11,218	11,218	0	8
PHENOL	N	3,098	710	3,808	0	0	3,808	0	0	81,124	81,124	8	998

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# 2022 Toxics Release Inventory

Appendix F

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Chemical Name	form A*												
Total for DYNAX AMERICA CORP		29,231	11,438	40,669	0	0	40,669	0	0	881,107	881,107	8	8,786
<b>BOTETOURT GENERAL SHALE BRICK INC PLANT 35 &amp; 36</b>								<b>2353 WEBSTER RD</b>				<b>NAICS Code</b>	<b>327120</b>
HYDROGEN FLUORIDE	N	0	780	780	0	0	780	0	0	146,628	146,628	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GENERAL SHALE BRICK INC PLANT 35 & 36		0	780	780	0	0	780	0	0	146,628	146,628	0	0
<b>BOTETOURT MAAG GALA, INC.</b>								<b>181 PAULEY ST</b>				<b>NAICS Code</b>	<b>333248</b>
CHROMIUM	N	3	0	3	0	0	3	0	0	0	0	0	38,273
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	9,357
MANGANESE	N	2	0	2	0	0	2	0	0	0	0	0	28,771
NICKEL	N	3	0	3	0	0	3	0	0	0	0	0	75,206
Total for MAAG GALA, INC.		8	1	8	0	0	8	0	0	0	0	0	151,607
<b>BOTETOURT METALSA ROANOKE INC.</b>								<b>184 VISTA DR</b>				<b>NAICS Code</b>	<b>336390</b>
MANGANESE	N	5	0	5	0	0	5	0	0	0	0	0	868,592
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	115,813
Total for METALSA ROANOKE INC.		5	0	5	0	0	5	0	0	0	0	0	984,405
<b>BOTETOURT ROANOKE CEMENT CO LLC</b>								<b>6071 CATAWBA RD</b>				<b>NAICS Code</b>	<b>327310</b>
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	12,314	12,314	0	0	12,314	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	390	135	525	505	20	1,050	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	35,403	35,403	0	0	35,403	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ROANOKE CEMENT CO LLC		390	47,852	48,242	505	20	48,767	0	0	0	0	0	0
<b>BOTETOURT</b>	<b>TREAD CORP</b>							<b>176 EASTPARK DR</b>				<b>NAICS Code</b>	<b>333924</b>
ALUMINUM (FUME OR DUST)	N	0	0	0	0	0	0	0	0	0	0	0	5,428
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	31,035
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	5,188
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	16,426
Total for TREAD CORP		0	0	0	0	0	0	0	0	0	0	0	58,077
<b>BOTETOURT</b>	<b>VIRGINIA TRANSFORMER CORP</b>							<b>201 TRANSFORMER WAY</b>				<b>NAICS Code</b>	<b>335311</b>
XYLENE (MIXED ISOMERS)	N	5,401	3,111	8,512	0	0	8,512	0	2,200	0	2,200	0	0
Total for VIRGINIA TRANSFORMER CORP		5,401	3,111	8,512	0	0	8,512	0	2,200	0	2,200	0	0
<b>Total for Above County : (23 reports)</b>		<b>35,039</b>	<b>63,181</b>	<b>98,221</b>	<b>505</b>	<b>20</b>	<b>98,746</b>	<b>0</b>	<b>2,200</b>	<b>1,027,735</b>	<b>1,029,935</b>	<b>8</b>	<b>1,260,776</b>
<b>BRISTOL (CITY)</b>	<b>STRONGWELL CORP BRISTOL</b>							<b>400 COMMONWEALTH AVE</b>				<b>NAICS Code</b>	<b>326199</b>
ANTIMONY	N	0	147	147	0	0	147	0	0	0	0	0	0
STYRENE	N	27,344	0	27,344	0	0	27,344	0	0	136	136	0	4,418
Total for STRONGWELL CORP BRISTOL		27,344	147	27,491	0	0	27,491	0	0	136	136	0	4,418
<b>Total for Above County : (2 reports)</b>		<b>27,344</b>	<b>147</b>	<b>27,491</b>	<b>0</b>	<b>0</b>	<b>27,491</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>136</b>	<b>0</b>	<b>4,418</b>
<b>BRUNSWICK</b>	<b>GLEN-GERY CORPORATION - LAWRENCEVILLE PLANT</b>							<b>16024 GOVERNOR HARRISON PKWY</b>				<b>NAICS Code</b>	<b>327331</b>
HYDROGEN FLUORIDE	N	0	343	343	0	0	343	0	0	39,645	39,645	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE	N	0	12	12	0	0	12	0	0	0	0	0	0
Total for GLEN-GERY CORPORATION - LAWRENC		0	355	355	0	0	355	0	0	39,645	39,645	0	0
Total for Above County : (2 reports)		0	355	355	0	0	355	0	0	39,645	39,645	0	0
<b>BUCHANAN JEWELL COKE CO LP</b>								<b>1034 DISMAL RIVER RD</b>				<b>NAICS Code</b>	<b>324199</b>
HYDROCHLORIC ACID (ACID AERO	N	0	911,600	911,600	0	0	911,600	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	28,437	28,437	0	0	28,437	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	373,623	373,623	0	0	373,623	0	0	0	0	0	0
Total for JEWELL COKE CO LP		0	1,313,660	1,313,660	0	0	1,313,660	0	0	0	0	0	0
Total for Above County : (3 reports)		0	1,313,660	1,313,660	0	0	1,313,660	0	0	0	0	0	0
<b>BUCKINGHAM BEAR GARDEN GENERATING STATION</b>								<b>2608 C.G. WOODSON ROAD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	6,980	6,980	0	0	6,980	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BEAR GARDEN GENERATING STATION		0	6,980	6,980	0	0	6,980	0	0	0	0	0	0
Total for Above County : (4 reports)		0	6,980	6,980	0	0	6,980	0	0	0	0	0	0
<b>CAMPBELL BANKER STEEL COMPANY, LLC</b>								<b>351 RANGOON ROAD</b>				<b>NAICS Code</b>	<b>332312</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	1,756
MANGANESE	N	60	0	60	0	0	60	0	0	0	0	0	16,335

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NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	17,392
Total for BANKER STEEL COMPANY, LLC		60	0	60	0	0	60	0	0	0	0	0	35,483
<b>CAMPBELL</b> BWXT NUCLEAR OPERATIONS GROUP, INC.								1570 MOUNT ATHOS RD				NAICS Code	332410
CHROMIUM COMPOUNDS (EXCEPT	N	13	76	89	2	7	98	0	0	0	0	0	134
COPPER COMPOUNDS	N	0	12	12	49	200	261	0	0	0	0	0	80,836
HYDROGEN FLUORIDE	N	0	144	144	0	0	144	0	77	94,081	94,158	0	3,285
NICKEL COMPOUNDS	N	3	155	158	9	37	204	0	0	0	0	0	55
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	586,638	586,638	0	0	886,649	886,649	0	157,697
NITRIC ACID	N	15	2,412	2,427	0	0	2,427	0	684	900,950	901,634	0	561,434
Total for BWXT NUCLEAR OPERATIONS GROUP, I		31	2,799	2,830	60	586,882	589,772	0	760	1,881,681	1,882,441	0	803,441
<b>CAMPBELL</b> GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB								11795 BROOKNEAL HIGHWAY				NAICS Code	321219
ACETALDEHYDE	N	0	3,800	3,800	0	0	3,800	0	0	32,000	32,000	0	0
FORMALDEHYDE	N	0	12,000	12,000	20	0	12,020	0	0	76,000	76,000	1	1
METHANOL	N	0	58,000	58,000	0	0	58,000	0	0	190,000	190,000	0	0
PHENOL	N	0	2,700	2,700	0	0	2,700	0	0	13,000	13,000	0	0
Total for GEORGIA-PACIFIC WOOD PRODUCTS L		0	76,500	76,500	20	0	76,520	0	0	311,000	311,000	1	1
<b>CAMPBELL</b> SCHRADER-BRIDGEPORT INTERNATIONAL								205 FRAZIER RD				NAICS Code	336390
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	184,004
Total for SCHRADER-BRIDGEPORT INTERNATION		0	0	0	0	0	0	0	0	0	0	0	184,004
Total for Above County : (14 reports)		91	79,299	79,390	80	586,882	666,352	0	760	2,192,681	2,193,441	1	1,022,929

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<b>CAROLINE</b>		<b>HOOVER TREATED WOOD PRODUCTS, INC</b>						<b>18315 HOUSE DR</b>				<b>NAICS Code</b>	<b>321999</b>
ARSENIC COMPOUNDS	N	0	0	0	0	467	467	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	461	461	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	288	288	0	0	0	0	0	0
FORMALDEHYDE	N	0	511	511	0	0	511	0	0	0	0	0	0
Total for HOOVER TREATED WOOD PRODUCTS, I		<b>0</b>	<b>511</b>	<b>511</b>	<b>0</b>	<b>1,216</b>	<b>1,727</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAROLINE</b>		<b>JCI JONES CHEMICALS INC.</b>						<b>16248 INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>424690</b>
CHLORINE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JCI JONES CHEMICALS INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAROLINE</b>		<b>LADYSMITH COMBUSTION TURBINE STATION</b>						<b>8063 CEDON RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for LADYSMITH COMBUSTION TURBINE STA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAROLINE</b>		<b>US ARMY FORT AP HILL GARRISON (PART)</b>						<b>19952 N RANGE RD</b>				<b>NAICS Code</b>	<b>928110</b>
COPPER	N	0	0	0	35,965	1,801	37,766	0	0	0	0	0	0
Total for US ARMY FORT AP HILL GARRISON (PA		<b>0</b>	<b>0</b>	<b>0</b>	<b>35,965</b>	<b>1,801</b>	<b>37,766</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (9 reports)</b>		<b>0</b>	<b>511</b>	<b>511</b>	<b>35,965</b>	<b>3,017</b>	<b>39,493</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CARROLL</b>		<b>VAUGHAN-BASSETT FURNITURE CO. GALAX</b>						<b>300 E GRAYSON ST</b>				<b>NAICS Code</b>	<b>337122</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-BUTYL ALCOHOL	N	2,874	16,286	19,160	0	0	19,160	0	0	0	0	0	464
XYLENE (MIXED ISOMERS)	N	7,456	42,256	49,712	0	0	49,712	0	0	0	0	0	1,210
Total for VAUGHAN-BASSETT FURNITURE CO. GA		10,330	58,541	68,872	0	0	68,872	0	0	0	0	0	1,674
Total for Above County : (2 reports)		10,330	58,541	68,872	0	0	68,872	0	0	0	0	0	1,674
<b>CHESAPEAKE (CITY)</b>	<b>AMERICAN GFM CORP</b>							<b>1200 CAVALIER BLVD</b>				<b>NAICS Code</b>	<b>333517</b>
AMMONIA	N	0	2,708	2,708	0	0	2,708	0	0	0	0	0	0
Total for AMERICAN GFM CORP		0	2,708	2,708	0	0	2,708	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>CHESAPEAKE ENERGY CENTER</b>							<b>2701 VEPKO ST</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHESAPEAKE ENERGY CENTER		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>ELIZABETH RIVER COMBUSTION TURBINE STATION</b>							<b>2837 S MILITARY HWY</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ELIZABETH RIVER COMBUSTION TURBI		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>MITSUBISHI CHEMICAL AMERICA ALPOLIC DIVISION</b>							<b>401 VOLVO PKWY</b>				<b>NAICS Code</b>	<b>332812</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	16,937
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	10,737
Total for MITSUBISHI CHEMICAL AMERICA ALPOL		0	0	0	0	0	0	0	0	0	0	0	27,674

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<b>CHESAPEAKE (CITY)</b>	<b>PERDUE AGRIBUSINESS LLC - CHESAPEAKE VA</b>							<b>501A BARNES RD</b>				<b>NAICS Code</b>	<b>311224</b>
N-HEXANE	N	233,153	134,687	367,840	0	0	367,840	0	0	0	0	0	74
Total for PERDUE AGRIBUSINESS LLC - CHESAP		<b>233,153</b>	<b>134,687</b>	<b>367,840</b>	<b>0</b>	<b>0</b>	<b>367,840</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>
Total for Above County : (9 reports)		<b>233,153</b>	<b>137,395</b>	<b>370,548</b>	<b>0</b>	<b>0</b>	<b>370,548</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27,748</b>
<b>CHESTERFIELD</b>	<b>ADVANSIX RESINS AND CHEMICALS LLC</b>							<b>4101 BERMUDA HUNDRED RD</b>				<b>NAICS Code</b>	<b>325211</b>
BIPHENYL	N	3,987	0	3,987	0	0	3,987	0	0	0	0	0	0
Total for ADVANSIX RESINS AND CHEMICALS LLC		<b>3,987</b>	<b>0</b>	<b>3,987</b>	<b>0</b>	<b>0</b>	<b>3,987</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CHESTERFIELD</b>	<b>BELLWOOD PRINTING PLANT</b>							<b>2001 REYMET RD</b>				<b>NAICS Code</b>	<b>323111</b>
AMMONIA	N	5,908	5,908	11,816	0	0	11,816	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	N	2,164	2,164	4,328	0	0	4,328	0	0	0	0	0	0
Total for BELLWOOD PRINTING PLANT		<b>8,072</b>	<b>8,072</b>	<b>16,144</b>	<b>0</b>	<b>0</b>	<b>16,144</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CHESTERFIELD</b>	<b>CHESTERFIELD POWER STATION</b>							<b>500 COXENDALE RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	40	40	0	1,180	1,220	0	0	0	0	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	62	62	85,300	7	85,369	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	131,000	131,000	0	0	131,000	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	16,400	16,400	0	0	16,400	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	129	129	21,500	1	21,630	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
SULFURIC ACID (ACID AEROSOLS I	N	0	32,200	32,200	0	0	32,200	0	0	0	0	0	0
VANADIUM COMPOUNDS	N	0	32	32	32,900	0	32,932	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	409	409	18,800	700	19,909	0	0	0	0	0	0
Total for CHESTERFIELD POWER STATION		0	180,272	180,272	158,500	1,888	340,660	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>1851 TOUCHSTONE RD</b>				<b>NAICS Code</b>	<b>326299</b>
AMMONIA	N	7,152	133,272	140,424	0	0	140,424	0	0	0	0	262	157
NITRATE COMPOUNDS (WATER DI	N	0	63	63	0	0	63	0	0	0	0	0	23,726
Total for CHURCH & DWIGHT CO INC		7,152	133,335	140,487	0	0	140,487	0	0	0	0	262	23,883
<b>CHESTERFIELD</b>								<b>2540 BELLWOOD RD</b>				<b>NAICS Code</b>	<b>424690</b>
COLONIAL CHEMICAL SOLUTIONS INC.													
CYCLOHEXANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for COLONIAL CHEMICAL SOLUTIONS INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>2540 BELLWOOD RD</b>				<b>NAICS Code</b>	<b>424690</b>
COLONIAL CHEMICAL SOLUTIONS, INC.													
CYCLOHEXANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for COLONIAL CHEMICAL SOLUTIONS, INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>5401 ROUTE 1</b>				<b>NAICS Code</b>	<b>325220</b>
DUPONT SPECIALTY PRODUCTS USA, LLC - SPRUANCE PLANT													
1,3-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	2,519

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AMMONIA	N	24,378	1,283	25,661	0	11,802	37,463	0	0	3,355	3,355	0	8,495
CHLOROFORM	N	1,090	9,004	10,094	0	27	10,121	0	0	470	470	0	0
CHROMIUM	N	0	0	0	0	44	44	0	0	0	0	0	0
DIMETHYLAMINE	N	15,447	0	15,447	0	31,378	46,825	0	0	80,262	80,262	0	0
NICKEL	N	0	0	0	0	320	320	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	19,621	19,621	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	N	0	38,617	38,617	0	5,388	44,005	0	0	68,475	68,475	0	798,941
P-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	55,725
TOLUENE	N	30,056	32,561	62,617	0	54	62,671	0	0	0	0	0	3,485
TRICHLOROFLUOROMETHANE (CF	N	84,162	1,117	85,279	0	54	85,333	0	0	444	444	0	0
Total for DUPONT SPECIALTY PRODUCTS USA, L		<b>155,133</b>	<b>82,582</b>	<b>237,715</b>	<b>0</b>	<b>68,688</b>	<b>306,403</b>	<b>0</b>	<b>0</b>	<b>153,006</b>	<b>153,006</b>	<b>0</b>	<b>869,165</b>
<b>CHESTERFIELD</b>		<b>DUPONT TEIJIN FILMS SPRUANCE</b>						<b>5401A ROUTE 1</b>				<b>NAICS Code</b>	<b>325211</b>
TOLUENE	N	36,067	39,073	75,140	0	54	75,194	0	0	0	0	0	3,925
Total for DUPONT TEIJIN FILMS SPRUANCE		<b>36,067</b>	<b>39,073</b>	<b>75,140</b>	<b>0</b>	<b>54</b>	<b>75,194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,925</b>
<b>CHESTERFIELD</b>		<b>ETERNAL TECHNOLOGY CORP</b>						<b>1800 TOUCHSTONE RD</b>				<b>NAICS Code</b>	<b>325992</b>
TOLUENE	N	0	0	0	0	0	0	0	0	0	0	0	10
Total for ETERNAL TECHNOLOGY CORP		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>
<b>CHESTERFIELD</b>		<b>HILL PHOENIX, INC.</b>						<b>1925 RUFFIN MILL RD</b>				<b>NAICS Code</b>	<b>333415</b>
CHROMIUM	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0

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COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for HILL PHOENIX, INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>		<b>HONEYWELL INTERNATIONAL COLONIAL HEIGHTS PLANT</b>						<b>15801 WOODS EDGE RD</b>				<b>NAICS Code</b>	<b>325220</b>
FREON 113 (CFC-113)	N	194,367	100,840	295,207	0	0	295,207	0	289,332,718	0	289,332,718	0	3,530
Total for HONEYWELL INTERNATIONAL COLONIA		194,367	100,840	295,207	0	0	295,207	0	289,332,718	0	289,332,718	0	3,530
<b>CHESTERFIELD</b>		<b>NOVELIS ALR ROLLED PRODUCTS INC</b>						<b>1701 REYMET RD</b>				<b>NAICS Code</b>	<b>331315</b>
ALUMINUM (FUME OR DUST)	N	3,134	6,204	9,338	0	0	9,338	0	0	0	0	0	385,864
Total for NOVELIS ALR ROLLED PRODUCTS INC		3,134	6,204	9,338	0	0	9,338	0	0	0	0	0	385,864
<b>CHESTERFIELD</b>		<b>PHILIP MORRIS USA PARK 500 SITE</b>						<b>4100 BERMUDA HUNDRED RD</b>				<b>NAICS Code</b>	<b>312230</b>
AMMONIA	N	2,137	213,480	215,617	0	124	215,741	0	0	2,321	2,321	0	177
NICOTINE AND SALTS	N	119	11,900	12,019	0	22	12,041	0	0	107,178	107,178	0	98,714
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	5,817	5,817	0	0	153,755	153,755	0	0
Total for PHILIP MORRIS USA PARK 500 SITE		2,256	225,380	227,636	0	5,963	233,599	0	0	263,254	263,254	0	98,891
<b>CHESTERFIELD</b>		<b>SAFETY-KLEEN SYSTEMS CHESTER (CVA)</b>						<b>1200 W 100 RD</b>				<b>NAICS Code</b>	<b>562112</b>
ETHYLENE GLYCOL	N	0	2	2	0	0	2	0	0	0	0	0	68,067
Total for SAFETY-KLEEN SYSTEMS CHESTER (CV		0	2	2	0	0	2	0	0	0	0	0	68,067
<b>CHESTERFIELD</b>		<b>SUPER RADIATOR COILS</b>						<b>451 SOUTHLAKE BLVD</b>				<b>NAICS Code</b>	<b>333414</b>

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CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	17,878
NICKEL	N	0	0	0	0	0	0	0	0	0	0	4	12,534
Total for SUPER RADIATOR COILS		0	0	0	0	0	0	0	0	0	0	4	30,411
<b>CHESTERFIELD</b>	<b>TRIDENT AMERICAS</b>							<b>833 LIBERTY WAY</b>				<b>NAICS Code</b>	<b>332813</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	24,150
Total for TRIDENT AMERICAS		0	0	0	0	0	0	0	0	0	0	0	24,150
<b>CHESTERFIELD</b>	<b>US DEFENSE LOGISTICS AGENCY DEFENSE SUPPLY CENTER RICHM</b>							<b>6090 STRATHMORE RD</b>				<b>NAICS Code</b>	<b>425120</b>
BROMOCHLORODIFLUOROMETHA	N	330	0	330	0	0	330	0	0	0	0	0	0
BROMOTRIFLUOROMETHANE (HA	N	1,940	0	1,940	0	0	1,940	0	0	0	0	0	0
CHLORODIFLUOROMETHANE (HCF	N	97	0	97	0	0	97	0	0	0	0	0	0
DICHLORODIFLUOROMETHANE (C	N	10	0	10	0	0	10	0	0	0	0	0	0
DICHLOROTETRAFLUOROETHANE	N	226	0	226	0	0	226	0	0	0	0	0	0
TRICHLOROFLUOROMETHANE (CF	N	85	0	85	0	0	85	0	0	0	0	0	0
Total for US DEFENSE LOGISTICS AGENCY DEFE		2,688	0	2,688	0	0	2,688	0	0	0	0	0	0
<b>CHESTERFIELD</b>	<b>VEOLIA JAMES RIVER PLANT</b>							<b>1201 BELLWOOD RD</b>				<b>NAICS Code</b>	<b>325180</b>
SULFURIC ACID (ACID AEROSOLS I	N	2,908	5,629	8,538	0	0	8,538	0	0	0	0	0	0
Total for VEOLIA JAMES RIVER PLANT		2,908	5,629	8,538	0	0	8,538	0	0	0	0	0	0
<b>Total for Above County : (57 reports)</b>		<b>415,764</b>	<b>781,389</b>	<b>1,197,153</b>	<b>158,500</b>	<b>76,593</b>	<b>1,432,246</b>	<b>0</b>	<b>289,332,718</b>	<b>416,260</b>	<b>289,748,978</b>	<b>267</b>	<b>1,507,897</b>
<b>CLARKE</b>	<b>GRIFFITH ENERGY SERVICES INC-BERRYVILLE</b>							<b>618 E MAIN ST</b>				<b>NAICS Code</b>	<b>454310</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GRIFFITH ENERGY SERVICES INC-BERR		0	0	0	0	0	0	0	0	0	0	0	0
<b>CLARKE</b>		<b>TRELLEBORG MARINE SYSTEMS NORTH AMERICA INC.</b>						<b>532 JACK ENDERS BLVD</b>				<b>NAICS Code</b>	<b>326199</b>
TOLUENE-2,4-DIISOCYANATE	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for TRELLEBORG MARINE SYSTEMS NORT		0	5	5	0	0	5	0	0	0	0	0	0
<b>Total for Above County : (4 reports)</b>		<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>COLONIAL HEIGHTS (CITY) MUNDET-RCI</b>								<b>1106 WEST ROSLYN ROAD</b>				<b>NAICS Code</b>	<b>323111</b>
ALUMINUM (FUME OR DUST)	Y	0	0	0	0	0	0	0	0	0	0	0	0
ALUMINUM (FUME OR DUST)	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC (FUME OR DUST)	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC (FUME OR DUST)	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MUNDET-RCI		0	0	0	0	0	0	0	0	0	0	0	0
<b>COLONIAL HEIGHTS (CITY) SUN CHEMICAL CORP</b>								<b>16000 CONTINENTAL BLVD</b>				<b>NAICS Code</b>	<b>325910</b>
COPPER	N	4	4	8	0	0	8	0	0	0	0	0	218
Total for SUN CHEMICAL CORP		4	4	8	0	0	8	0	0	0	0	0	218

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (9 reports)		4	4	8	0	0	8	0	0	0	0	0	218
COVINGTON (CITY) INGEVITY VIRGINIA CORPORATION								958 E RIVERSIDE ST				NAICS Code	325998
ACETALDEHYDE	N	5	1,913	1,918	0	0	1,918	0	0	37,217	37,217	0	0
FORMALDEHYDE	N	27	2,741	2,768	0	0	2,768	0	0	105,652	105,652	0	0
FORMIC ACID	N	60	9,962	10,022	0	0	10,022	0	0	756,339	756,339	0	0
METHANOL	N	274	29,770	30,044	0	0	30,044	0	0	2,389,854	2,389,854	0	0
Total for INGEVITY VIRGINIA CORPORATION		366	44,386	44,752	0	0	44,752	0	0	3,289,062	3,289,062	0	0
COVINGTON (CITY) WESTROCK VIRGINIA CORPORATION (ENTIRE)								104 E. RIVERSIDE STREET				NAICS Code	322130
ACETALDEHYDE	N	1,150	46,300	47,450	12	2,320	49,782	0	0	110,000	110,000	0	0
AMMONIA	N	457	199,000	199,457	0	2,280	201,737	0	0	390,000	390,000	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	1,360	1,360	82,300	0	83,660	0	0	0	0	0	0
CATECHOL	N	0	0	0	1	17	17	0	0	447	447	0	0
CHLORINE	N	5	457	462	0	0	462	0	0	49,800	49,800	0	0
CHLORINE DIOXIDE	N	5	3,680	3,685	0	0	3,685	0	0	358,000	358,000	0	0
CRESOL (MIXED ISOMERS)	N	7	8,160	8,167	4	4	8,175	0	0	21,300	21,300	0	0
FORMALDEHYDE	N	18	12,900	12,918	10	743	13,672	0	0	13,200	13,200	0	0
FORMIC ACID	N	0	0	0	2	884	886	0	0	451	451	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	253,000	253,000	0	0	253,000	0	0	218,000	218,000	0	0
HYDROGEN SULFIDE	N	7,910	74,000	81,910	437	411	82,758	0	0	662,000	662,000	0	0
MANGANESE COMPOUNDS	N	0	382	382	321,000	49,700	371,082	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHANOL	N	62,900	1,420,000	1,482,900	11,000	2,320	1,496,220	0	0	19,400,000	19,400,000	0	0
PHENOL	N	8	32,100	32,108	5	464	32,577	0	0	11,900	11,900	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	92,300	92,300	0	0	92,300	0	0	144,000	144,000	0	0
VANADIUM COMPOUNDS	N	0	15	15	2,600	1,370	3,985	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	540	540	44,200	929	45,669	0	0	0	0	0	0
Total for WESTROCK VIRGINIA CORPORATION (E		72,461	2,144,194	2,216,654	461,570	61,441	2,739,666	0	0	21,379,098	21,379,098	0	0
Total for Above County : (21 reports)		72,827	2,188,580	2,261,406	461,570	61,441	2,784,418	0	0	24,668,160	24,668,160	0	0
CULPEPER ARDENT MILLS, LLC								1900 INDUSTRY DR				NAICS Code	311211
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ARDENT MILLS, LLC		0	0	0	0	0	0	0	0	0	0	0	0
CULPEPER BINGHAM & TAYLOR								601 NALLE PL				NAICS Code	331511
CHROMIUM	N	0	1	1	0	0	1	0	0	0	0	0	20,052
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	3,401
MANGANESE	N	0	5	5	0	0	5	0	0	0	0	0	13,399
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	26,723
Total for BINGHAM & TAYLOR		0	6	6	0	0	7	0	0	0	0	0	63,576
CULPEPER CABINETWORKS GROUP - CULPEPER PLANT								641 MADDOX DR				NAICS Code	337110
N-METHYL-2-PYRROLIDONE	N	0	19,211	19,211	0	0	19,211	0	0	0	0	0	9,700
XYLENE (MIXED ISOMERS)	N	0	15,296	15,296	0	0	15,296	0	0	0	0	0	7,374
Total for CABINETWORKS GROUP - CULPEPER P		0	34,507	34,507	0	0	34,507	0	0	0	0	0	17,074

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>CULPEPER</b>	<b>CULPEPER WOOD PRESERVERS</b>							<b>15487 BRAGGS CORNER RD</b>				<b>NAICS Code</b>	<b>321114</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CULPEPER WOOD PRESERVERS		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CULPEPER</b>	<b>HEXATRONIC ROCHESTER CABLE INC.</b>							<b>751 OLD BRANDY RD</b>				<b>NAICS Code</b>	<b>331491</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	16,439
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	43,044
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	8,295
Total for HEXATRONIC ROCHESTER CABLE INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67,778</b>
<b>CULPEPER</b>	<b>HEXATRONIC ROCHESTER CABLE, INC.</b>							<b>751 OLD BRANDY RD</b>				<b>NAICS Code</b>	<b>331491</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	166,245
Total for HEXATRONIC ROCHESTER CABLE, INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>166,245</b>
<b>CULPEPER</b>	<b>VIRGINIA CONCRETE - CULPEPER</b>							<b>11454 QUARRY DRIVE</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	44	44	0	0	0	0	0	0
Total for VIRGINIA CONCRETE - CULPEPER		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (13 reports)		<b>0</b>	<b>34,513</b>	<b>34,513</b>	<b>0</b>	<b>44</b>	<b>34,558</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>314,673</b>
<b>CUMBERLAND</b>	<b>GEMINI-FARMVILLE</b>							<b>102 HAUSCHILD DR</b>				<b>NAICS Code</b>	<b>339950</b>
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEMINI-FARMVILLE		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (1 record)		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
<b>DANVILLE (CITY)</b>	<b>AMERICAN PHOENIX INC</b>							<b>121 MARTHA ST</b>				<b>NAICS Code</b>	<b>325998</b>
COBALT COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	0
ZINC COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for AMERICAN PHOENIX INC		<b>10</b>	<b>10</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DANVILLE (CITY)</b>	<b>THE GOODYEAR TIRE &amp; RUBBER CO.</b>							<b>1901 GOODYEAR BLVD</b>				<b>NAICS Code</b>	<b>326211</b>
COBALT COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	7,523
ZINC COMPOUNDS	N	0	267	267	0	0	267	0	0	0	0	0	299,416
Total for THE GOODYEAR TIRE & RUBBER CO.		<b>0</b>	<b>269</b>	<b>269</b>	<b>0</b>	<b>0</b>	<b>269</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>306,939</b>
<b>Total for Above County : (4 reports)</b>		<b>10</b>	<b>279</b>	<b>289</b>	<b>0</b>	<b>0</b>	<b>289</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>306,939</b>
<b>DINWIDDIE</b>	<b>CHAPARRAL (VA) INC</b>							<b>25801 HOFHEIMER WAY</b>				<b>NAICS Code</b>	<b>331110</b>
CHROMIUM COMPOUNDS (EXCEPT	N	1,522	21	1,543	0	17	1,560	0	0	0	0	0	83,048
COPPER COMPOUNDS	N	0	0	0	0	1	1	0	0	0	0	0	49,498
MANGANESE COMPOUNDS	N	92	101	193	0	0	193	0	0	0	0	0	381,978
ZINC COMPOUNDS	N	0	0	0	0	566	566	0	0	0	0	0	3,607,861
Total for CHAPARRAL (VA) INC		<b>1,614</b>	<b>122</b>	<b>1,736</b>	<b>0</b>	<b>584</b>	<b>2,320</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,122,385</b>
<b>Total for Above County : (4 reports)</b>		<b>1,614</b>	<b>122</b>	<b>1,736</b>	<b>0</b>	<b>584</b>	<b>2,320</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,122,385</b>
<b>FAIRFAX</b>	<b>GEORGE BUSH CENTER FOR INTELLIGENCE (CIA)</b>							<b>1000 COLONIAL FARM RD</b>				<b>NAICS Code</b>	<b>928110</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CUMENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGE BUSH CENTER FOR INTELLIGENCE		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX LORTON RMC PLANT</b>								<b>9420 GUNSTON COVE RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for LORTON RMC PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX SICPA SECURINK CORP</b>								<b>8000 RESEARCH WAY</b>				<b>NAICS Code</b>	<b>325910</b>
CERTAIN GLYCOL ETHERS	N	250	0	250	0	0	250	0	0	0	0	0	750
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE DIISOCYANATE (MIXED	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SICPA SECURINK CORP		250	0	250	0	0	250	0	0	0	0	0	750
<b>FAIRFAX SUPERIOR CONCRETE MATERIALS INC. - LORTON</b>								<b>8420 TERMINAL RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	392	392	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS INC.		0	0	0	0	392	392	0	0	0	0	0	0
<b>FAIRFAX VIRGINIA CONCRETE EDSALL ROAD PLANT</b>								<b>5412 INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	410	410	0	0	0	0	0	0
Total for VIRGINIA CONCRETE EDSALL ROAD PL		0	0	0	0	410	410	0	0	0	0	0	0
<b>Total for Above County : (11 reports)</b>		<b>250</b>	<b>0</b>	<b>250</b>	<b>0</b>	<b>802</b>	<b>1,052</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>

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# 2022 Toxics Release Inventory

Appendix F

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<b>FAIRFAX (CITY) MOTIVA FAIRFAX TERMINAL</b>								<b>3800 PICKETT RD</b>				<b>NAICS Code</b>	<b>424710</b>
1,2,4-TRIMETHYLBENZENE	N	36	25	61	0	0	61	0	0	0	0	0	0
BENZENE	N	18	131	149	0	0	149	0	0	0	0	0	0
CUMENE	N	3	9	12	0	0	12	0	0	0	0	0	0
ETHYLBENZENE	N	20	19	39	0	0	39	0	0	0	0	0	0
NAPHTHALENE	N	4	1	5	0	0	5	0	0	0	0	0	0
N-HEXANE	N	20	230	250	0	0	250	0	0	0	0	0	0
STYRENE	N	2	1	3	0	0	3	0	0	0	0	0	0
TOLUENE	N	88	230	318	0	0	318	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	115	85	200	0	0	200	0	0	0	0	0	0
Total for MOTIVA FAIRFAX TERMINAL		<b>306</b>	<b>731</b>	<b>1,037</b>	<b>0</b>	<b>0</b>	<b>1,037</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (9 reports)</b>		<b>306</b>	<b>731</b>	<b>1,037</b>	<b>0</b>	<b>0</b>	<b>1,037</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FALLS CHURCH (CITY) VIRGINIA CONCRETE FALLS CHURCH PLANT</b>								<b>7103 GORDON RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	216	216	0	0	0	0	0	0
Total for VIRGINIA CONCRETE FALLS CHURCH PL		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216</b>	<b>216</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216</b>	<b>216</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FAUQUIER FIBERGLASS ENGINEERING CO</b>								<b>5019 AIRPORT RD</b>				<b>NAICS Code</b>	<b>326199</b>
STYRENE	N	6,372	0	6,372	0	0	6,372	0	0	0	0	0	0
Total for FIBERGLASS ENGINEERING CO		<b>6,372</b>	<b>0</b>	<b>6,372</b>	<b>0</b>	<b>0</b>	<b>6,372</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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# 2022 Toxics Release Inventory

Appendix F

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>FAUQUIER</b>		<b>OLD DOMINION ELECTRIC CO-OP MARSH RUN GENERATION FACIL</b>						<b>12109 LUCKY HILL RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP MARS		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAUQUIER</b>		<b>REMINGTON POWER STATION</b>						<b>12025 LUCKY HILL ROAD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for REMINGTON POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAUQUIER</b>		<b>US DOD WARRENTON TRAINING CENTER STATION B</b>						<b>7471 BEAR WALLOW RD</b>				<b>NAICS Code</b>	<b>928110</b>
1,2,4-TRIMETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US DOD WARRENTON TRAINING CENTE		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (8 reports)</b>		<b>6,372</b>	<b>0</b>	<b>6,372</b>	<b>0</b>	<b>0</b>	<b>6,372</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FLUVANNA</b>		<b>TENASKA VIRGINIA PARTNERS LP</b>						<b>2300 BRANCH ROAD</b>				<b>NAICS Code</b>	<b>221112</b>
AMMONIA	N	0	10,493	10,493	0	0	10,493	0	0	0	0	0	0
Total for TENASKA VIRGINIA PARTNERS LP		0	10,493	10,493	0	0	10,493	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>10,493</b>	<b>10,493</b>	<b>0</b>	<b>0</b>	<b>10,493</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FRANKLIN</b>		<b>BLUE RIDGE SOLVENTS &amp; COATINGS</b>						<b>3800 ORIGINAL HENRY RD</b>				<b>NAICS Code</b>	<b>325510</b>

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METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-BUTYL ALCOHOL	N	29	0	29	0	0	29	0	1,473	0	1,473	0	750
N-METHYL-2-PYRROLIDONE	N	126	0	126	0	0	126	0	291,725	0	291,725	0	129,178
TOLUENE	N	44	0	44	0	0	44	0	2,531	0	2,531	0	4,211
XYLENE (MIXED ISOMERS)	N	65	0	65	0	0	65	0	47,493	0	47,493	0	17,394
Total for BLUE RIDGE SOLVENTS & COATINGS		264	0	264	0	0	264	0	343,222	0	343,222	0	151,533
<b>FRANKLIN FLEETWOOD HOMES OF VIRGINIA INC 19-2</b>								<b>90 WEAVER ST</b>				<b>NAICS Code</b>	<b>321991</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLEETWOOD HOMES OF VIRGINIA INC 1		0	0	0	0	0	0	0	0	0	0	0	0
<b>FRANKLIN GREAT SOUTHERN WOOD - VA, INC.</b>								<b>1050 N MAIN ST</b>				<b>NAICS Code</b>	<b>321114</b>
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GREAT SOUTHERN WOOD - VA, INC.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (9 reports)		264	0	264	0	0	264	0	343,222	0	343,222	0	151,533
<b>FREDERICK DARLING INGREDIENTS INC-WINCHESTER FACILITY</b>								<b>1635 INDIAN HOLLOW RD</b>				<b>NAICS Code</b>	<b>311613</b>
AMMONIA	N	0	750	750	629	0	1,379	0	0	37,515	37,515	0	0
CHLORINE DIOXIDE	N	0	0	0	13,048	0	13,048	0	0	0	0	0	0
Total for DARLING INGREDIENTS INC-WINCHEST		0	750	750	13,677	0	14,427	0	0	37,515	37,515	0	0
<b>FREDERICK EVOLVE STONE LLC</b>								<b>200 LENOIR DRIVE</b>				<b>NAICS Code</b>	<b>326199</b>

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STYRENE	N	0	18,811	18,811	0	0	18,811	0	0	0	0	0	0
Total for EVOLVE STONE LLC		0	18,811	18,811	0	0	18,811	0	0	0	0	0	0
<b>FREDERICK</b>		<b>FISHER DIAGNOSTICS, A DIVISION OF FISHER SCIENTIFIC COMPAN</b>						<b>8365 VALLEY PIKE</b>				<b>NAICS Code</b>	<b>325413</b>
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	0
FORMALDEHYDE	N	0	3	3	0	0	3	0	0	0	0	0	0
METHANOL	N	0	60	60	0	0	60	0	0	0	0	0	31,149
Total for FISHER DIAGNOSTICS, A DIVISION OF FI		0	63	63	0	0	63	0	0	0	0	0	31,149
<b>FREDERICK</b>		<b>HP HOOD LLC</b>						<b>160 HOOD WAY</b>				<b>NAICS Code</b>	<b>311511</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	78,715
NITRIC ACID	N	0	0	0	0	0	0	0	0	88,855	88,855	0	0
PERACETIC ACID	N	0	720	720	0	0	720	0	0	45,156	45,156	0	0
Total for HP HOOD LLC		0	720	720	0	0	720	0	0	134,011	134,011	0	78,715
<b>FREDERICK</b>		<b>KINGSPAN INSULATION LLC</b>						<b>200 KINGSPAN WAY</b>				<b>NAICS Code</b>	<b>326140</b>
METHANOL	N	33,706	0	33,706	0	0	33,706	0	0	0	0	0	0
Total for KINGSPAN INSULATION LLC		33,706	0	33,706	0	0	33,706	0	0	0	0	0	0
<b>FREDERICK</b>		<b>TREX - VIRGINIA MANUFACTURING OPERATIONS</b>						<b>3229 SHAWNEE DRIVE</b>				<b>NAICS Code</b>	<b>326199</b>
CHROMIUM COMPOUNDS (EXCEPT	N	15	0	15	0	0	15	0	0	0	0	0	2,188
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for TREX - VIRGINIA MANUFACTURING OPE		15	0	15	0	0	15	0	0	0	0	0	2,188

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Chemical Name	form A*												
<b>FREDERICK</b>	<b>VIRGINIA CONCRETE - STEPHENS CITY</b>							<b>339 ESTEP ROAD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	45	0	45	0	0
Total for VIRGINIA CONCRETE - STEPHENS CITY		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>0</b>	<b>45</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (14 reports)</b>		<b>33,721</b>	<b>20,344</b>	<b>54,065</b>	<b>13,677</b>	<b>0</b>	<b>67,742</b>	<b>0</b>	<b>45</b>	<b>171,526</b>	<b>171,571</b>	<b>0</b>	<b>112,052</b>
<b>GILES</b>	<b>CELANESE ACETATE LLC - CELCO PLANT</b>							<b>3520 VIRGINIA AVE</b>				<b>NAICS Code</b>	<b>325220</b>
1,3-BUTADIENE	N	156	66	222	0	0	222	28,468	0	0	28,468	0	0
ACETAMIDE	N	0	0	0	0	168	168	0	0	168,072	168,072	0	0
ACETONITRILE	N	2,802	84	2,886	0	44	2,930	24,024	0	43,527	67,551	0	17
AMMONIA	N	0	25,933	25,933	0	338	26,271	0	0	16,078	16,078	0	0
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	N	247,207	3,883	251,090	0	0	251,090	6,175	0	0	6,175	0	17
DICHLOROMETHANE	N	26,532	0	26,532	0	0	26,532	0	0	0	0	0	35
ETHYLENE	N	2,473	1,601	4,074	0	0	4,074	675,718	0	0	675,718	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	52,843	52,843	0	0	0	0	0	0
Total for CELANESE ACETATE LLC - CELCO PLAN		<b>279,170</b>	<b>31,567</b>	<b>310,737</b>	<b>0</b>	<b>53,393</b>	<b>364,130</b>	<b>734,385</b>	<b>0</b>	<b>227,677</b>	<b>962,062</b>	<b>0</b>	<b>70</b>
<b>GILES</b>	<b>LHOIST NA OF VIRGINIA INC KIMBALLTON AREA 1</b>							<b>2093 BIG STONY CREEK RD</b>				<b>NAICS Code</b>	<b>327410</b>
HYDROCHLORIC ACID (ACID AERO	N	0	67,932	67,932	0	0	67,932	0	0	0	0	0	0
Total for LHOIST NA OF VIRGINIA INC KIMBALLTO		<b>0</b>	<b>67,932</b>	<b>67,932</b>	<b>0</b>	<b>0</b>	<b>67,932</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (10 reports)</b>		<b>279,170</b>	<b>99,499</b>	<b>378,669</b>	<b>0</b>	<b>53,393</b>	<b>432,062</b>	<b>734,385</b>	<b>0</b>	<b>227,677</b>	<b>962,062</b>	<b>0</b>	<b>70</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
<b>GREENSVILLE</b>	<b>BOAR'S HEAD PROVISIONS CO INC. - JARRATT</b>							<b>2230 WYATTS MILL RD</b>				<b>NAICS Code</b>	<b>311612</b>
AMMONIA	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for BOAR'S HEAD PROVISIONS CO INC. - JA		<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GREENSVILLE</b>	<b>GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD</b>							<b>634 DAVIS ST</b>				<b>NAICS Code</b>	<b>321212</b>
METHANOL	N	2,700	23,000	25,700	0	0	25,700	0	0	8,600	8,600	0	0
Total for GEORGIA PACIFIC WOOD PRODUCTS		<b>2,700</b>	<b>23,000</b>	<b>25,700</b>	<b>0</b>	<b>0</b>	<b>25,700</b>	<b>0</b>	<b>0</b>	<b>8,600</b>	<b>8,600</b>	<b>0</b>	<b>0</b>
<b>GREENSVILLE</b>	<b>STEELFAB INC, OF VIRGINIA</b>							<b>1510 REESE ST</b>				<b>NAICS Code</b>	<b>332312</b>
CHROMIUM	N	12	1	13	0	0	13	0	0	0	0	0	46,757
COPPER	N	7	0	7	0	2	9	0	0	0	0	0	69,787
MANGANESE	N	225	41	266	0	0	266	0	0	0	0	0	51,177
NICKEL	N	82	1	83	0	0	83	0	0	0	0	0	81,651
PROPYLENE	N	25	0	25	0	0	25	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	1,492	0	1,492	0	0	1,492	0	0	0	0	0	0
Total for STEELFAB INC, OF VIRGINIA		<b>1,843</b>	<b>43</b>	<b>1,886</b>	<b>0</b>	<b>2</b>	<b>1,888</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>249,372</b>
<b>Total for Above County : (8 reports)</b>		<b>4,544</b>	<b>23,043</b>	<b>27,587</b>	<b>0</b>	<b>2</b>	<b>27,589</b>	<b>0</b>	<b>0</b>	<b>8,600</b>	<b>8,600</b>	<b>0</b>	<b>249,372</b>
<b>HALIFAX</b>	<b>AQUATIC CO</b>							<b>1100 INDUSTRIAL PARK RD HALIFAX INDUSTRIAL</b>				<b>NAICS Code</b>	<b>326191</b>
METHYL METHACRYLATE	N	1,362	13,198	14,560	0	0	14,560	0	0	97	97	0	857
STYRENE	N	19,848	193,672	213,520	0	0	213,520	0	0	8,070	8,070	0	8,282
Total for AQUATIC CO		<b>21,210</b>	<b>206,870</b>	<b>228,080</b>	<b>0</b>	<b>0</b>	<b>228,080</b>	<b>0</b>	<b>0</b>	<b>8,167</b>	<b>8,167</b>	<b>0</b>	<b>9,139</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
HALIFAX CLOVER POWER STATION								4091 CLOVER RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	0	0	43,000	990	43,990	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	2,490	2,490	0	0	2,490	0	0	337,000	337,000	0	0
HYDROGEN FLUORIDE	N	0	1,250	1,250	0	0	1,250	0	0	41,200	41,200	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	38,800	38,800	0	0	38,800	0	0	94,300	94,300	0	0
Total for CLOVER POWER STATION		0	42,540	42,540	43,000	990	86,530	0	0	472,500	472,500	0	0
HALIFAX HITACHI ENERGY USA INC.								2135 PHILPOTT RD				NAICS Code	335311
CHROMIUM	N	4	0	4	0	0	4	0	0	0	0	0	176,844
COPPER	N	147	0	147	0	0	147	0	0	0	0	1	553,895
MANGANESE	N	62	0	62	0	0	62	0	0	0	0	0	424,276
NICKEL	N	2	0	2	0	0	2	0	0	0	0	0	59,621
Total for HITACHI ENERGY USA INC.		215	0	215	0	0	215	0	0	0	0	1	1,214,636
HALIFAX HUBER ENGINEERED WOODS LLC								1000 CHANEY LN				NAICS Code	321219
ACETALDEHYDE	N	179	4,943	5,122	0	0	5,122	0	0	55,186	55,186	0	0
ACROLEIN	N	160	14,747	14,907	0	0	14,907	0	0	18,258	18,258	0	0
DIISOCYANATES	N	0	48	48	0	0	48	0	0	897	897	0	0
FORMALDEHYDE	N	141	8,387	8,528	0	0	8,528	0	0	185,310	185,310	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHANOL	N	519	34,704	35,223	0	0	35,223	0	0	92,940	92,940	0	0
PHENOL	N	330	16,119	16,449	0	0	16,449	0	0	56,741	56,741	0	0
Total for HUBER ENGINEERED WOODS LLC		1,329	78,948	80,277	0	0	80,277	0	0	409,332	409,332	0	0
<b>HALIFAX VOESTALPINE HIGH PERFORMANCE METALS - SOUTH BOSTON PL</b>								<b>2306 EASTOVER DR</b>				<b>NAICS Code</b>	<b>331222</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	3,476
COBALT	N	0	0	0	0	0	0	0	0	0	0	0	3,890
METHANOL	N	5	5	10	0	0	10	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	28,454
Total for VOESTALPINE HIGH PERFORMANCE ME		5	5	10	0	0	10	0	0	0	0	0	35,820
Total for Above County : (23 reports)		22,759	328,363	351,122	43,000	990	395,112	0	0	889,999	889,999	1	1,259,595
<b>HAMPTON (CITY) CATALINA CYLINDERS INC</b>								<b>2400 ALUMINUM AVE</b>				<b>NAICS Code</b>	<b>331318</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	18,072
NITRIC ACID	N	0	0	0	0	0	0	0	0	19,409	19,409	0	6,175
Total for CATALINA CYLINDERS INC		0	0	0	0	0	0	0	0	19,409	19,409	0	24,247
<b>HAMPTON (CITY) HOWMET CASTINGS &amp; SERVICES INC</b>								<b>ONE HOWMET DR</b>				<b>NAICS Code</b>	<b>331529</b>
4,4'-ISOPROPYLIDENEDIPHENOL	N	23	23	46	0	0	46	0	0	1,142	1,142	76	115,246
ALUMINUM (FUME OR DUST)	N	27	245	272	0	0	272	0	0	0	0	0	0
CHROMIUM	N	0	5	5	0	0	5	0	0	0	0	12	7,828
COBALT	N	0	7	7	0	0	7	0	0	0	0	5	7,824
HYDROGEN FLUORIDE	N	0	394	394	0	0	394	0	0	11,214	11,214	4	46,900

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NICKEL	N	0	12	12	0	0	12	0	0	0	0	37	38,390
NITRIC ACID	N	0	431	431	0	0	431	0	0	628	628	0	24,082
Total for HOWMET CASTINGS & SERVICES INC		50	1,117	1,167	0	0	1,167	0	0	12,984	12,984	134	240,270
<b>HAMPTON (CITY)</b>		<b>SUNBELT FOREST PRODUCTS, INC</b>						<b>5604 CITY LINE RD</b>				<b>NAICS Code</b>	<b>321114</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUNBELT FOREST PRODUCTS, INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>HAMPTON (CITY)</b>		<b>TCS MATERIALS HAMPTON 58TH ST. READY-MIX</b>						<b>2510 58TH ST</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	100	0	100	0	0
Total for TCS MATERIALS HAMPTON 58TH ST. RE		0	0	0	0	0	0	0	100	0	100	0	0
<b>HAMPTON (CITY)</b>		<b>U.S. DOD, USAF, JOINT BASE LANGLEY EUSTIS - LANGLEY AFB</b>						<b>633 CES/CEIE 37 SWEENEY BLVD</b>				<b>NAICS Code</b>	<b>928110</b>
NAPHTHALENE	N	5	5	10	0	10	20	0	0	0	0	0	0
Total for U.S. DOD, USAF, JOINT BASE LANGLEY		5	5	10	0	10	20	0	0	0	0	0	0
<b>Total for Above County : (12 reports)</b>		<b>55</b>	<b>1,122</b>	<b>1,177</b>	<b>0</b>	<b>10</b>	<b>1,187</b>	<b>0</b>	<b>100</b>	<b>32,393</b>	<b>32,493</b>	<b>134</b>	<b>264,517</b>
<b>HANOVER</b>		<b>ASHLAND RMC PLANT</b>						<b>11340 VIRGINIA CRANE DR</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ASHLAND RMC PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>		<b>CHEMTREAT INC</b>						<b>10040 LICKINGHOLE RD</b>				<b>NAICS Code</b>	<b>325998</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	722
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	0	2,091

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHEMTREAT INC		0	0	0	0	0	0	0	0	0	0	0	2,813
<b>HANOVER</b>		<b>COMMONWEALTH GALVANIZING</b>						<b>10988 LEADBETTER RD</b>				<b>NAICS Code</b>	<b>332812</b>
ZINC COMPOUNDS	N	0	0	0	0	89	89	0	0	0	0	0	21,169
Total for COMMONWEALTH GALVANIZING		0	0	0	0	89	89	0	0	0	0	0	21,169
<b>HANOVER</b>		<b>DOSWELL LP</b>						<b>10098 OLD RIDGE RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	N	5	248,009	248,014	0	0	248,014	0	0	0	0	0	0
AMMONIA	N	5	281,660	281,665	0	0	281,665	0	0	0	0	0	0
NAPHTHALENE	N	5	136,405	136,410	0	0	136,410	0	0	0	0	0	0
N-HEXANE	N	5	248,009	248,014	0	0	248,014	0	0	0	0	0	0
Total for DOSWELL LP		20	914,083	914,103	0	0	914,103	0	0	0	0	0	0
<b>HANOVER</b>		<b>SOUTH ATLANTIC GALVANIZING LLC</b>						<b>11022 LEWISTOWN RD</b>				<b>NAICS Code</b>	<b>332812</b>
ZINC COMPOUNDS	N	5,452	0	5,452	0	63	5,515	0	0	0	0	0	235,161
Total for SOUTH ATLANTIC GALVANIZING LLC		5,452	0	5,452	0	63	5,515	0	0	0	0	0	235,161
<b>HANOVER</b>		<b>TYSON FARMS INC. - PROCESSING FACILITY</b>						<b>13264 MOUNTAIN RD</b>				<b>NAICS Code</b>	<b>311615</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	35,149	35,149	0	0	1,149,531	1,149,531	0	0
PERACETIC ACID	N	20	0	20	0	0	20	0	0	379,984	379,984	0	0
Total for TYSON FARMS INC. - PROCESSING FACI		20	0	20	0	35,149	35,169	0	0	1,529,515	1,529,515	0	0
<b>Total for Above County : (12 reports)</b>		<b>5,492</b>	<b>914,083</b>	<b>919,575</b>	<b>0</b>	<b>35,301</b>	<b>954,876</b>	<b>0</b>	<b>0</b>	<b>1,529,515</b>	<b>1,529,515</b>	<b>0</b>	<b>259,143</b>

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Chemical Name	form A*												
<b>HARRISONBURG (CITY)</b>	<b>CARGILL TURKEY PRODUCTION LLC</b>							<b>1 KRATZER AVE</b>				<b>NAICS Code</b>	<b>311119</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CARGILL TURKEY PRODUCTION LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HARRISONBURG (CITY)</b>	<b>DRIV</b>							<b>3160 ABBOTT LN</b>				<b>NAICS Code</b>	<b>336390</b>
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	236,611
COBALT	N	0	4	4	0	0	4	0	0	0	0	0	2,029
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	64,110
MANGANESE	N	0	1,270	1,270	0	0	1,270	0	0	0	0	0	199,144
NICKEL	N	0	4	4	0	0	4	0	0	0	0	0	156,280
Total for DRIV		<b>0</b>	<b>1,282</b>	<b>1,282</b>	<b>0</b>	<b>0</b>	<b>1,282</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>658,174</b>
<b>HARRISONBURG (CITY)</b>	<b>GEORGE'S FOODS LLC FEED MILL</b>							<b>61 KRATZER RD</b>				<b>NAICS Code</b>	<b>311119</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGE'S FOODS LLC FEED MILL		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HARRISONBURG (CITY)</b>	<b>PILGRIM'S PRIDE CORP HARRISONBURG FEEDMILL</b>							<b>590 MT CLINTON PIKE</b>				<b>NAICS Code</b>	<b>311119</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PILGRIM'S PRIDE CORP HARRISONBUR		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (14 reports)		0	1,282	1,282	0	0	1,282	0	0	0	0	0	658,174
<b>HENRICO DARBYTOWN POWER STATION</b>								<b>6001 FERGUS BLVD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for DARBYTOWN POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRICO ENNIS-FLINT RICHMOND</b>								<b>4400 VAWTER AVE</b>				<b>NAICS Code</b>	<b>325510</b>
CERTAIN GLYCOL ETHERS	N	0	54	54	0	0	54	0	0	0	0	0	17,000
METHANOL	N	0	8,300	8,300	0	0	8,300	0	0	0	0	0	26,000
Total for ENNIS-FLINT RICHMOND		0	8,354	8,354	0	0	8,354	0	0	0	0	0	43,000
<b>HENRICO IR ENGRAVING LLC</b>								<b>5901 LEWIS RD</b>				<b>NAICS Code</b>	<b>323111</b>
COPPER	N	1	1	2	0	0	2	0	0	0	0	0	1
NITRIC ACID	N	5	250	255	0	0	255	0	0	0	0	0	338
Total for IR ENGRAVING LLC		6	251	257	0	0	257	0	0	0	0	0	338
<b>HENRICO JOHNS MANVILLE CORP HAMILTON PLANT</b>								<b>7400 RANCO RD</b>				<b>NAICS Code</b>	<b>322220</b>
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	502
Total for JOHNS MANVILLE CORP HAMILTON PLA		0	0	0	0	0	0	0	0	0	0	0	502

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Chemical Name	form A*												
<b>HENRICO</b>	<b>POWER DISTRIBUTION INC.</b>							<b>5250 KLOCKNER DR</b>				<b>NAICS Code</b>	<b>335999</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	93
Total for POWER DISTRIBUTION INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>93</b>
<b>HENRICO</b>	<b>SOUTHERN GRAPHIC SYSTEMS LLC</b>							<b>5301 LEWIS RD</b>				<b>NAICS Code</b>	<b>323120</b>
COPPER COMPOUNDS	N	18	166	184	0	0	184	0	0	0	0	0	38,780
Total for SOUTHERN GRAPHIC SYSTEMS LLC		<b>18</b>	<b>166</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38,780</b>
<b>HENRICO</b>	<b>STERILIZATION SERVICES OF VIRGINIA</b>							<b>5674 EASTPORT BLVD</b>				<b>NAICS Code</b>	<b>339112</b>
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	1,180,410
ETHYLENE OXIDE	N	3,395	10,426	13,821	0	0	13,821	0	0	507,058	507,058	0	0
Total for STERILIZATION SERVICES OF VIRGINIA		<b>3,395</b>	<b>10,426</b>	<b>13,821</b>	<b>0</b>	<b>0</b>	<b>13,821</b>	<b>0</b>	<b>0</b>	<b>507,058</b>	<b>507,058</b>	<b>0</b>	<b>1,180,410</b>
<b>Total for Above County : (12 reports)</b>		<b>3,419</b>	<b>19,197</b>	<b>22,616</b>	<b>0</b>	<b>0</b>	<b>22,616</b>	<b>0</b>	<b>0</b>	<b>507,058</b>	<b>507,058</b>	<b>0</b>	<b>1,263,124</b>
<b>HENRY</b>	<b>BASSETT PLANT 11</b>							<b>PATRIOT CENTRE AT BEAVER CREEK</b>				<b>NAICS Code</b>	<b>337122</b>
N-BUTYL ALCOHOL	N	0	13,640	13,640	0	0	13,640	0	0	0	0	0	0
Total for BASSETT PLANT 11		<b>0</b>	<b>13,640</b>	<b>13,640</b>	<b>0</b>	<b>0</b>	<b>13,640</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HENRY</b>	<b>CPFILMS, INC.</b>							<b>345 BEAVER CREEK DR</b>				<b>NAICS Code</b>	<b>326112</b>
DIISOCYANATES	N	5	5	10	0	0	10	0	0	0	0	0	94,136
ETHYLENE GLYCOL	N	5	2,537	2,542	5	0	2,547	0	866,800	0	866,800	0	41,827
N-HEXANE	N	5	491	496	5	0	501	0	0	54,554	54,554	0	0
N-METHYL-2-PYRROLIDONE	N	5	5	10	5	0	15	0	0	5,223	5,223	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
TOLUENE	N	5	5,575	5,580	0	0	5,580	0	0	651,271	651,271	0	0
Total for CPFILMS, INC.		25	8,613	8,638	15	0	8,653	0	866,800	711,048	1,577,848	0	135,963
<b>HENRY</b>		<b>CROWN BEVERAGE PACKAGING</b>						<b>202 SUTAINABLE WAY</b>				<b>NAICS Code</b>	<b>332431</b>
CERTAIN GLYCOL ETHERS	N	3,902	300	4,202	0	0	4,202	0	0	24,704	24,704	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	6
N-BUTYL ALCOHOL	N	2,755	353	3,108	0	0	3,108	0	0	17,299	17,299	0	0
Total for CROWN BEVERAGE PACKAGING		6,657	653	7,310	0	0	7,310	0	0	42,003	42,003	0	6
<b>HENRY</b>		<b>EASTMAN PERFORMANCE FILMS, LLC - PLANT II</b>						<b>4129 THE GREAT RD</b>				<b>NAICS Code</b>	<b>326130</b>
ACRYLIC ACID	N	14	257	271	0	0	271	0	0	24,457	24,457	0	12,512
ETHYLENE GLYCOL	N	81,651	3,835	85,486	0	0	85,486	0	0	524,127	524,127	58,236	218,766
METHYL ISOBUTYL KETONE	N	60	1,140	1,200	0	0	1,200	0	0	47,331	47,331	0	16
N-HEXANE	N	42	792	834	0	0	834	0	0	68,405	68,405	0	16
N-METHYL-2-PYRROLIDONE	N	110,143	468	110,611	0	0	110,611	0	0	443,326	443,326	49,258	581,594
TOLUENE	N	438	8,322	8,760	0	0	8,760	0	0	634,885	634,885	0	158,021
Total for EASTMAN PERFORMANCE FILMS, LLC -		192,348	14,814	207,162	0	0	207,162	0	0	1,742,531	1,742,531	107,494	970,925
<b>HENRY</b>		<b>EASTMAN PERFORMANCE FILMS, LLC-AXTON FACILITY</b>						<b>47 BRENDA DR</b>				<b>NAICS Code</b>	<b>326130</b>
ETHYLENE GLYCOL	N	27,932	2,815	30,747	0	0	30,747	0	0	0	0	0	88,194
N-METHYL-2-PYRROLIDONE	N	67,583	141	67,724	0	0	67,724	0	0	0	0	0	219,033
Total for EASTMAN PERFORMANCE FILMS, LLC-A		95,515	2,956	98,471	0	0	98,471	0	0	0	0	0	307,227
<b>HENRY</b>		<b>EASTMAN PERFORMANCE FILMS, LLC-PLANT 1</b>						<b>4210 THE GREAT RD</b>				<b>NAICS Code</b>	<b>326130</b>

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Chemical Name	form A*												
TOLUENE	N	61	1,166	1,227	0	0	1,227	0	0	112,653	112,653	0	57,718
Total for EASTMAN PERFORMANCE FILMS, LLC-P		61	1,166	1,227	0	0	1,227	0	0	112,653	112,653	0	57,718
<b>HENRY</b>								<b>175 MEHLER LN</b>				<b>NAICS Code</b>	<b>314994</b>
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	680
TOLUENE	N	259	6	265	0	0	265	654,140	0	0	654,140	0	12,328
XYLENE (MIXED ISOMERS)	N	5	0	5	0	0	5	24,350	0	0	24,350	0	238
Total for MEHLER ENGINEERED PRODUCTS		264	7	271	0	0	271	678,490	0	0	678,490	0	13,246
<b>HENRY</b>								<b>1100 RIVES RD</b>				<b>NAICS Code</b>	<b>321991</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for NATIONWIDE HOMES INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRY</b>								<b>101 RTI WAY</b>				<b>NAICS Code</b>	<b>332112</b>
ALUMINUM (FUME OR DUST)	N	7	725	732	0	0	732	0	0	0	0	0	45,870
Total for RTI MARTINSVILLE INC		7	725	732	0	0	732	0	0	0	0	0	45,870
<b>Total for Above County : (23 reports)</b>		<b>294,877</b>	<b>42,573</b>	<b>337,450</b>	<b>15</b>	<b>0</b>	<b>337,465</b>	<b>678,490</b>	<b>866,800</b>	<b>2,608,235</b>	<b>4,153,525</b>	<b>107,494</b>	<b>1,530,955</b>
<b>HOPEWELL (CITY)</b>								<b>905 E RANDOLPH RD</b>				<b>NAICS Code</b>	<b>325199</b>
ACETALDEHYDE	N	670	660	1,330	0	0	1,330	0	0	56,932	56,932	0	1,229
AMMONIA	N	22,217	889,967	912,184	0	56,455	968,639	0	0	0	0	91,172	55,247
BENZENE	N	533	6,298	6,831	0	1,380	8,211	0	64,666	299,735	364,401	189	146
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	845	845	0	0	0	0	162	123
COBALT COMPOUNDS	N	0	0	0	0	1,624	1,624	0	0	0	0	227	73

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COPPER COMPOUNDS	N	0	0	0	0	2,300	2,300	0	0	0	0	360	3,183
CYCLOHEXANOL	N	795	2,944	3,739	0	27,596	31,335	0	0	21,206	21,206	56,664	51,564
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	49,007	45,086
METHANOL	N	277	2,712	2,989	0	0	2,989	1,087,747	0	0	1,087,747	6,716	7,063
NITRATE COMPOUNDS (WATER DI	N	0	3,245	3,245	0	102,930	106,175	0	0	0	0	332,436	299,192
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
PHENOL	N	16,774	20,435	37,209	0	1,380	38,589	10,338	0	43,932	54,270	9,964	692,644
SULFURIC ACID (ACID AEROSOLS I	N	17,993	25,527	43,520	0	0	43,520	0	0	0	0	0	0
TOLUENE	N	1,772	7,346	9,118	0	1,326	10,444	0	60,482	194,260	254,742	90	2,248
ZINC COMPOUNDS	N	0	0	0	0	13,375	13,375	0	0	0	0	5,070	6,270
Total for ADVANSIX INC HOPEWELL PLANT		61,031	959,134	1,020,165	0	209,211	1,229,376	1,098,085	125,148	616,065	1,839,298	552,057	1,164,068
HOPEWELL (CITY)		ASHLAND SPECIALTY INGREDIENTS GP						1111 HERCULES RD				NAICS Code	325199
CERTAIN GLYCOL ETHERS	N	17	0	17	0	0	17	0	0	0	0	0	219,743
CHLOROACETIC ACID	N	828	2	830	0	0	830	0	0	0	0	0	0
CHLOROETHANE	N	79,388	1,893	81,281	0	0	81,281	0	0	0	0	8	934
ETHYLENE	N	5,650	61,900	67,550	0	0	67,550	0	0	0	0	0	0
ETHYLENE GLYCOL	N	138	0	138	0	0	138	0	0	0	0	1,931,194	1,755,029
ETHYLENE OXIDE	N	922	76	998	0	0	998	0	0	71	71	131	119
METHANOL	N	227,952	2,809	230,761	0	0	230,761	0	0	0	0	170,311	178,715
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	4,759,016	4,252,068
NITRIC ACID	N	2,322	5	2,327	0	0	2,327	0	0	0	0	0	0

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PROPYLENE OXIDE	N	2,622	132	2,754	0	0	2,754	0	0	106	106	972	885
TERT-BUTYL ALCOHOL	N	81,693	6,928	88,621	0	0	88,621	0	0	0	0	52,147	16,186
Total for ASHLAND SPECIALTY INGREDIENTS GP		<b>401,532</b>	<b>73,745</b>	<b>475,277</b>	<b>0</b>	<b>0</b>	<b>475,277</b>	<b>0</b>	<b>0</b>	<b>177</b>	<b>177</b>	<b>6,913,779</b>	<b>6,423,679</b>
<b>HOPEWELL (CITY) EVONIK INDUSTRIES</b>								<b>914 E RANDOLPH RD</b>				<b>NAICS Code</b>	<b>325613</b>
ACRYLIC ACID	N	0	1,587	1,587	0	0	1,587	0	0	0	0	0	3,154
ALLYL ALCOHOL	N	28	120	147	0	0	147	0	0	2,393	2,393	0	0
CHLOROACETIC ACID	N	5	288	293	0	0	293	0	0	4,670	4,670	0	0
ETHYLENE GLYCOL	N	3	463	466	0	0	466	0	0	0	0	57,979	53,341
ETHYLENE OXIDE	N	56	17	73	0	0	73	0	0	17,090	17,090	0	0
N-BUTYL ALCOHOL	N	28	331	359	0	0	359	0	0	662	662	0	29,838
PROPYLENE OXIDE	N	50	17	67	0	0	67	0	0	17,090	17,090	0	0
Total for EVONIK INDUSTRIES		<b>170</b>	<b>2,823</b>	<b>2,992</b>	<b>0</b>	<b>0</b>	<b>2,992</b>	<b>0</b>	<b>0</b>	<b>41,905</b>	<b>41,905</b>	<b>57,979</b>	<b>86,333</b>
<b>HOPEWELL (CITY) KENSING LLC</b>								<b>914 E RANDOLPH RD</b>				<b>NAICS Code</b>	<b>325613</b>
CHLOROACETIC ACID	N	1	1	2	0	0	2	0	0	21	21	0	0
ETHYLENE GLYCOL	N	0	3	4	0	0	4	0	0	34	34	0	5,103
Total for KENSING LLC		<b>1</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>55</b>	<b>0</b>	<b>5,103</b>
<b>HOPEWELL (CITY) WESTROCK CP LLC</b>								<b>910 INDUSTRIAL ST</b>				<b>NAICS Code</b>	<b>322130</b>
AMMONIA	N	0	51,700	51,700	0	0	51,700	0	0	0	0	5,050	3,030
BARIUM COMPOUNDS (EXCEPT FO	N	0	577	577	0	0	577	0	0	0	0	0	16,070
CATECHOL	N	0	0	0	0	0	0	0	0	0	0	317	292

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FORMALDEHYDE	N	0	5,060	5,060	0	0	5,060	0	0	1,860	1,860	4,696	4,320
HYDROCHLORIC ACID (ACID AERO	N	0	31,444	31,444	0	0	31,444	0	0	0	0	0	0
HYDROGEN SULFIDE	N	0	20,300	20,300	0	0	20,300	0	0	43,004	43,004	141,300	141,300
MANGANESE COMPOUNDS	N	0	116	116	0	0	116	0	0	0	0	6,150	79,300
METHANOL	N	0	197,200	197,200	0	0	197,200	0	0	221,900	221,900	4,937,400	4,542,400
PHENOL	N	0	5,343	5,343	0	0	5,343	0	0	1,330	1,330	4,620	4,250
Total for WESTROCK CP LLC		0	311,740	311,740	0	0	311,740	0	0	268,094	268,094	5,099,533	4,790,962
<b>HOPEWELL (CITY)</b>		<b>WESTROCK CP, LLC</b>						<b>910 INDUSTRIAL ST</b>				<b>NAICS Code</b>	<b>322130</b>
ACETALDEHYDE	N	0	9,688	9,688	0	0	9,688	0	0	2,561	2,561	0	72,190
Total for WESTROCK CP, LLC		0	9,688	9,688	0	0	9,688	0	0	2,561	2,561	0	72,190
<b>Total for Above County : (45 reports)</b>		<b>462,734</b>	<b>1,357,134</b>	<b>1,819,868</b>	<b>0</b>	<b>209,211</b>	<b>2,029,079</b>	<b>1,098,085</b>	<b>125,148</b>	<b>928,856</b>	<b>2,152,089</b>	<b>12,623,348</b>	<b>12,542,335</b>
<b>ISLE OF WIGHT</b>		<b>INTERNATIONAL PAPER FRANKLIN MILL</b>						<b>34040 UNION CAMP DR</b>				<b>NAICS Code</b>	<b>322110</b>
ACETALDEHYDE	N	6,027	18,540	24,567	0	386	24,952	0	0	38,897	38,897	0	3
AMMONIA	N	0	107,036	107,036	0	1,441	108,477	0	0	147,537	147,537	0	9
BARIUM COMPOUNDS (EXCEPT FO	N	0	20	20	0	466	485	0	0	0	0	0	1,978
CATECHOL	N	0	0	0	0	39	39	0	0	765	765	0	1
CHLORINE	N	5	4,761	4,766	0	0	4,766	0	0	212,324	212,324	0	0
CHLORINE DIOXIDE	N	5	1,502	1,507	0	0	1,507	0	0	7,728,498	7,728,498	0	0
CRESOL (MIXED ISOMERS)	N	12,162	2,272	14,435	0	5	14,440	0	0	8,351	8,351	0	2
FORMALDEHYDE	N	699	7,478	8,177	0	1,135	9,312	0	0	31,144	31,144	0	8

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FORMIC ACID	N	0	0	0	0	31	31	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	46,952	46,952	0	0	46,952	0	0	0	0	0	0
HYDROGEN SULFIDE	N	82,800	44,576	127,376	0	174	127,549	0	0	480,564	480,564	0	200
MANGANESE COMPOUNDS	N	0	54	54	0	6,262	6,316	0	0	0	0	0	44,197
METHANOL	N	263,891	408,335	672,226	0	0	672,226	0	0	6,192,906	6,192,906	0	2,765
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	68,992	68,992	0	0	0	0	0	12
PHENOL	N	550	14,635	15,185	0	6	15,191	0	0	2,464	2,464	0	2
Total for INTERNATIONAL PAPER FRANKLIN MILL		366,139	656,161	1,022,300	0	78,936	1,101,236	0	0	14,843,450	14,843,450	0	49,177
<b>ISLE OF WIGHT SMITHFIELD FRESH MEATS CORP SMITHFIELD, VA FACILITY</b>								<b>601 N CHURCH ST</b>				<b>NAICS Code</b>	<b>311612</b>
HYDROGEN SULFIDE	N	11,530	0	11,530	0	0	11,530	0	0	0	0	1,399	1,399
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	190,167
Total for SMITHFIELD FRESH MEATS CORP SMIT		11,530	0	11,530	0	0	11,530	0	0	0	0	1,399	191,566
Total for Above County : (17 reports)		377,669	656,161	1,033,830	0	78,936	1,112,766	0	0	14,843,450	14,843,450	1,399	240,743
<b>JAMES CITY ANHEUSER-BUSCH LLC</b>								<b>7801 POCAHONTAS TRAIL</b>				<b>NAICS Code</b>	<b>312120</b>
AMMONIA	N	1,622	11,655	13,277	0	0	13,277	0	0	0	0	1,924	38
Total for ANHEUSER-BUSCH LLC		1,622	11,655	13,277	0	0	13,277	0	0	0	0	1,924	38
<b>JAMES CITY BALL METAL BEVERAGE CONTAINER CORP</b>								<b>8935 POCAHONTAS TRAIL JAMES RIVER COMMUNITY</b>				<b>NAICS Code</b>	<b>332431</b>
CERTAIN GLYCOL ETHERS	N	360,501	0	360,501	0	0	360,501	0	0	0	0	0	547
N-BUTYL ALCOHOL	N	184,818	0	184,818	0	0	184,818	0	0	0	0	0	225
SULFURIC ACID (ACID AEROSOLS I	Y	0	0	0	0	0	0	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for BALL METAL BEVERAGE CONTAINER C		545,319	0	545,319	0	0	545,319	0	0	0	0	0	772
<b>JAMES CITY</b>								<b>7992 RICHMOND RD</b>				<b>NAICS Code</b>	<b>332813</b>
CHROMIUM COMPOUNDS (EXCEPT N		0	0	0	0	0	0	0	0	0	0	16	8,962
Total for GREYSTONE OF VIRGINIA INC		0	0	0	0	0	0	0	0	0	0	16	8,962
<b>Total for Above County : (5 reports)</b>		<b>546,941</b>	<b>11,655</b>	<b>558,596</b>	<b>0</b>	<b>0</b>	<b>558,596</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,940</b>	<b>9,772</b>
<b>KING GEORGE</b>								<b>10924 DENNIS W KERNS PKWY</b>				<b>NAICS Code</b>	<b>332312</b>
NICKEL COMPOUNDS Y		0	0	0	0	0	0	0	0	0	0	0	0
Total for CMC REBAR VA KING GEORGE		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>KING WILLIAM</b>								<b>1901 MAIN ST</b>				<b>NAICS Code</b>	<b>322110</b>
ACETALDEHYDE N		46	26,692	26,737	0	698	27,435	0	0	19,551	19,551	0	0
AMMONIA N		232	118,630	118,863	0	803	119,665	0	0	25,666	25,666	0	0
BARIUM COMPOUNDS (EXCEPT FO N		0	681	681	0	0	681	0	0	0	0	0	25,451
CATECHOL N		0	0	0	0	61	62	0	0	368	368	0	0
CHLORINE N		5	7	12	0	0	12	0	0	6,676	6,676	0	0
CHLORINE DIOXIDE N		5	70	75	0	0	75	0	0	6,925	6,925	0	0
FORMALDEHYDE N		10	10,545	10,555	0	606	11,161	0	0	12,787	12,787	0	0
FORMIC ACID N		0	0	0	0	1,530	1,530	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO N		0	47,019	47,019	0	0	47,019	0	0	38,392	38,392	0	0

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# 2022 Toxics Release Inventory

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HYDROGEN SULFIDE	N	4,969	42,039	47,009	0	187	47,196	0	0	228,947	228,947	0	2
MANGANESE COMPOUNDS	N	0	319	319	0	42,956	43,275	0	0	0	0	0	132,571
METHANOL	N	9,065	508,587	517,652	0	5,025	522,677	0	0	2,922,169	2,922,169	0	20
PHENOL	N	16	16,802	16,817	0	1,784	18,602	0	0	7,780	7,780	0	0
ZINC COMPOUNDS	N	0	312	312	0	510	822	0	0	0	0	0	17,681
Total for WESTROCK CP, LLC		14,348	771,703	786,050	0	54,160	840,211	0	0	3,269,260	3,269,260	0	175,725
Total for Above County : (14 reports)		14,348	771,703	786,050	0	54,160	840,211	0	0	3,269,260	3,269,260	0	175,725

<b>LOUDOUN</b>		<b>CHANTILLY READY MIX CONCRETE</b>						<b>25232 WILLARD ROAD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHANTILLY READY MIX CONCRETE		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>		<b>MENZIES AVIATION FUELING OPERATIONS WASH DULLES INTERN</b>						<b>TANK FARM RD BUILDING 2</b>				<b>NAICS Code</b>	<b>424710</b>
1,2,4-TRIMETHYLBENZENE	N	118	0	118	0	0	118	0	0	0	0	0	0
ARSENIC	N	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	N	76	0	76	0	0	76	0	0	0	0	0	0
BERYLLIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CADMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM	N	1	0	1	0	0	1	0	0	0	0	0	0
ETHYLBENZENE	N	76	0	76	0	0	76	0	0	0	0	0	0
METHYL TERT-BUTYL ETHER	N	707	0	707	0	0	707	0	0	0	0	0	0
NAPHTHALENE	N	161	0	161	0	0	161	0	7,725	0	7,725	0	1,192

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-HEXANE	N	47	0	47	0	0	47	0	0	0	0	0	0
TOLUENE	N	340	0	340	0	0	340	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	338	0	338	0	0	338	0	0	0	0	0	0
Total for MENZIES AVIATION FUELING OPERATIO		1,864	0	1,864	0	0	1,864	0	7,725	0	7,725	0	1,192
<b>LOUDOUN</b>		<b>SUPERIOR CONCRETE MATERIALS INC. - DULLES</b>						<b>44146 WADE DR</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	516	516	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS INC.		0	0	0	0	516	516	0	0	0	0	0	0
<b>LOUDOUN</b>		<b>TTM TECHNOLOGIES N.A. LLC.</b>						<b>1200 SEVERN WAY</b>				<b>NAICS Code</b>	<b>334412</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	211	128,951
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	28,259	25,927
NITRIC ACID	N	0	0	0	0	0	0	0	0	28,722	28,722	0	3,077
Total for TTM TECHNOLOGIES N.A. LLC.		0	0	0	0	0	0	0	0	28,722	28,722	28,470	157,955
<b>LOUDOUN</b>		<b>TTM TECHNOLOGIES NORTH AMERICA, LLC.</b>						<b>1200 SEVERN WAY</b>				<b>NAICS Code</b>	<b>334412</b>
AMMONIA	N	262	6,501	6,763	0	0	6,763	0	0	0	0	0	5,569
Total for TTM TECHNOLOGIES NORTH AMERICA,		262	6,501	6,763	0	0	6,763	0	0	0	0	0	5,569
<b>LOUDOUN</b>		<b>VIRGINIA CONCRETE CO INC-CHANTILLY</b>						<b>25086 TANNER LN</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	116	116	0	0	0	0	0	0
Total for VIRGINIA CONCRETE CO INC-CHANTILL		0	0	0	0	116	116	0	0	0	0	0	0
<b>LOUDOUN</b>		<b>VIRGINIA CONCRETE COCHRAN MILL</b>						<b>42574 COCHRAN MILL RD</b>				<b>NAICS Code</b>	<b>327320</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	241	241	0	0	0	0	0	0
Total for VIRGINIA CONCRETE COCHRAN MILL		0	0	0	0	241	241	0	0	0	0	0	0
<b>LOUDOUN</b>								<b>44866 OLD OX RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	322	322	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DULLES PLANT		0	0	0	0	322	322	0	0	0	0	0	0
<b>Total for Above County : (22 reports)</b>		<b>2,126</b>	<b>6,501</b>	<b>8,627</b>	<b>0</b>	<b>1,195</b>	<b>9,822</b>	<b>0</b>	<b>7,725</b>	<b>28,722</b>	<b>36,447</b>	<b>28,470</b>	<b>164,716</b>
<b>LOUISA</b>								<b>819 HILL RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GORDONSVILLE POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUISA</b>								<b>3352 KLOCKNER RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP LOUISA		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (6 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>LUNENBURG</b>								<b>1201 5TH AVE</b>				<b>NAICS Code</b>	<b>326191</b>
STYRENE	N	0	17,902	17,902	0	0	17,902	0	0	0	0	0	0

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STYRENE	N	0	37,216	37,216	0	0	37,216	0	0	0	0	0	0
Total for VIRGINIA MARBLE MANUFACTURERS IN		0	55,118	55,118	0	0	55,118	0	0	0	0	0	0
Total for Above County : (2 reports)		0	55,118	55,118	0	0	55,118	0	0	0	0	0	0
<b>LYNCHBURG (CITY)      BANKER STEEL COMPANY, LLC</b>								<b>1619 WYTHE RD</b>				<b>NAICS Code</b>	<b>332312</b>
MANGANESE	N	39	0	39	0	0	39	0	0	0	0	0	9,696
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	10,560
Total for BANKER STEEL COMPANY, LLC		39	0	39	0	0	39	0	0	0	0	0	20,256
<b>LYNCHBURG (CITY)      BELVAC PRODUCTION MACHINERY</b>								<b>237 GRAVES MILL RD</b>				<b>NAICS Code</b>	<b>333514</b>
CHROMIUM	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BELVAC PRODUCTION MACHINERY		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)      DAVIS-FROST INC</b>								<b>3416 CANDLERS MOUNTAIN RD</b>				<b>NAICS Code</b>	<b>325510</b>
CERTAIN GLYCOL ETHERS	N	70	0	70	0	0	70	0	0	0	0	0	0
ETHYLBENZENE	N	568	0	568	0	0	568	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	2,460	0	2,460	0	0	2,460	0	0	0	0	0	23,151
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for DAVIS-FROST INC		3,098	0	3,098	0	0	3,098	0	0	0	0	0	23,151
<b>LYNCHBURG (CITY)      FLOWSERVE CORP LYNCHBURG VA</b>								<b>5114 WOODALL RD</b>				<b>NAICS Code</b>	<b>333995</b>

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COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLOWSERVE CORP LYNCHBURG VA		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>		<b>GRIFFIN PIPE PRODUCTS CO</b>						<b>10 ADAMS ST</b>				<b>NAICS Code</b>	<b>331511</b>
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	5
MANGANESE COMPOUNDS	N	12	1,677	1,689	0	17	1,705	0	0	0	0	0	68,361
ZINC COMPOUNDS	N	46	147,434	147,480	0	150	147,630	0	0	0	0	1,068	981,750
Total for GRIFFIN PIPE PRODUCTS CO		58	149,111	149,169	0	167	149,335	0	0	0	0	1,068	1,050,116
<b>LYNCHBURG (CITY)</b>		<b>SLOCUM ADHESIVES CORP.</b>						<b>2500 CARROLL AVE</b>				<b>NAICS Code</b>	<b>325520</b>
DICHLOROMETHANE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SLOCUM ADHESIVES CORP.		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>		<b>SLOCUM ADHESIVES CORPORATION</b>						<b>1409 BUCHANAN ST</b>				<b>NAICS Code</b>	<b>325520</b>
1-BROMOPROPANE	N	597	0	597	0	0	597	0	0	0	0	0	0
DICHLOROMETHANE	N	27,340	0	27,340	0	0	27,340	0	0	0	0	0	0
N-HEXANE	N	18,340	0	18,340	0	0	18,340	0	0	0	0	0	0
TOLUENE	N	27,185	0	27,185	0	0	27,185	0	0	0	0	0	5,800
TRICHLOROETHYLENE	N	3,892	0	3,892	0	0	3,892	0	0	0	0	0	0
Total for SLOCUM ADHESIVES CORPORATION		77,354	0	77,354	0	0	77,354	0	0	0	0	0	5,800
<b>LYNCHBURG (CITY)</b>		<b>TRI TECH LABORATORIES, LLC</b>						<b>1000 ROBINS RD</b>				<b>NAICS Code</b>	<b>325620</b>
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	2,169
Total for TRI TECH LABORATORIES, LLC		0	0	0	0	0	0	0	0	0	0	0	2,169

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<b>LYNCHBURG (CITY)</b>	<b>VIRGINIA METAL TREATING, INC.</b>							<b>111 LYNCHPIN LN</b>				<b>NAICS Code</b>	<b>332811</b>
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA METAL TREATING, INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>	<b>WESTOVER DAIRY</b>							<b>2801 FORT AVE</b>				<b>NAICS Code</b>	<b>311511</b>
NITRIC ACID	N	250	5	255	0	0	255	0	0	11,206	11,206	89	89
Total for WESTOVER DAIRY		250	5	255	0	0	255	0	0	11,206	11,206	89	89
<b>Total for Above County : (23 reports)</b>		<b>80,799</b>	<b>149,116</b>	<b>229,915</b>	<b>0</b>	<b>167</b>	<b>230,081</b>	<b>0</b>	<b>0</b>	<b>11,206</b>	<b>11,206</b>	<b>1,157</b>	<b>1,101,581</b>
<b>MADISON</b>	<b>MADISON WOOD PRESERVERS INC.</b>							<b>216 OAK PARK RD</b>				<b>NAICS Code</b>	<b>321114</b>
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MADISON WOOD PRESERVERS INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (3 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MECKLENBURG</b>	<b>AMERICAN BUILDINGS COMPANY-LA CROSSE</b>							<b>501 GOLDEN EAGLE DR</b>				<b>NAICS Code</b>	<b>332311</b>
MANGANESE	N	9	0	9	0	0	9	0	0	0	0	0	12,213
Total for AMERICAN BUILDINGS COMPANY-LA CR		9	0	9	0	0	9	0	0	0	0	0	12,213
<b>Total for Above County : (1 record)</b>		<b>9</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,213</b>
<b>MONTGOMERY</b>	<b>ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI</b>							<b>RT 114 RADFORD ARMY AMMUNITION PLANT</b>				<b>NAICS Code</b>	<b>325920</b>

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DIPHENYLAMINE	N	0	370	370	0	0	370	0	1,113	0	1,113	0	654
NITRATE COMPOUNDS (WATER DI	N	0	186	186	0	0	186	0	913	0	913	0	174,298
NITROGLYCERIN	N	0	36,403	36,403	0	0	36,403	0	86,108	0	86,108	0	159,889
Total for ALLIANT TECHSYSTEMS OPERATIONS L		0	36,959	36,959	0	0	36,959	0	88,134	0	88,134	0	334,841
<b>MONTGOMERY</b>		<b>BAE SYSTEMS, ORDNANCE SYSTEMS INC</b>						<b>RADFORD ARMY AMMUNITION PLANT 4050 N. HARRIS</b>				<b>NAICS Code</b>	<b>325920</b>
2,4-DINITROTOLUENE	N	0	0	0	0	8	8	0	0	5,864	5,864	0	0
AMMONIA	N	19,133	60	19,193	0	2,194	21,388	0	0	0	0	0	0
CHLORINE	N	0	0	0	0	0	0	0	0	9,589	9,589	0	0
COPPER COMPOUNDS	N	458	2,480	2,938	0	97	3,035	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	8,096,003	8,096,003	0	0	12,963	12,963	0	0
NITRIC ACID	N	753	677	1,430	2,628	0	4,058	0	30,710,538	8,096,003	38,806,541	0	304
NITROGLYCERIN	N	0	64,926	64,926	0	11,039	75,965	0	0	381,473	381,473	0	31
Total for BAE SYSTEMS, ORDNANCE SYSTEMS IN		20,344	68,143	88,487	2,628	8,109,342	8,200,457	0	30,710,538	8,505,892	39,216,430	0	336
<b>MONTGOMERY</b>		<b>FEDERAL MOGUL POWERTRAIN LLC.</b>						<b>300 INDUSTRIAL PARK RD SE</b>				<b>NAICS Code</b>	<b>336350</b>
ALUMINUM (FUME OR DUST)	N	59	5,858	5,917	0	0	5,917	0	0	0	0	0	221,084
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	N	1	55	55	0	0	55	0	0	0	0	0	11,305
Total for FEDERAL MOGUL POWERTRAIN LLC.		59	5,913	5,972	0	0	5,972	0	0	0	0	0	232,389
<b>MONTGOMERY</b>		<b>PROCHEM, INC</b>						<b>5100 ENTERPRISE DR</b>				<b>NAICS Code</b>	<b>325998</b>
BARIUM COMPOUNDS (EXCEPT FO	N	0	0	0	0	0	0	0	0	0	0	0	0

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MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM DIMETHYLDITHIOCARBA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PROCHEM, INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>MONTGOMERY</b>		<b>WOLVERINE ADVANCED MATERIALS</b>						<b>3175 STATE ST</b>				<b>NAICS Code</b>	<b>332812</b>
METHANOL	N	0	193	193	0	0	193	0	0	24,087	24,087	0	3,104
METHYL ISOBUTYL KETONE	N	0	1,304	1,304	0	0	1,304	0	0	183,403	183,403	0	479
METHYL ISOBUTYL KETONE	N	0	7,691	7,691	0	0	7,691	0	0	622,908	622,908	0	1,925
N,N-DIMETHYLFORMAMIDE	N	0	155	155	0	0	155	0	0	10,854	10,854	0	0
N-HEXANE	N	0	278	278	0	0	278	0	0	18,025	18,025	0	0
TOLUENE	N	0	26,252	26,252	0	0	26,252	0	0	1,844,203	1,844,203	0	119,753
TOLUENE	N	0	6,722	6,722	0	0	6,722	0	0	946,211	946,211	0	32,983
ZINC COMPOUNDS	N	0	4	4	0	2	6	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	2	2	0	2	4	0	0	0	0	0	20
Total for WOLVERINE ADVANCED MATERIALS		0	42,601	42,601	0	5	42,606	0	0	3,649,691	3,649,691	0	158,264
<b>Total for Above County : (26 reports)</b>		<b>20,403</b>	<b>153,616</b>	<b>174,019</b>	<b>2,628</b>	<b>8,109,347</b>	<b>8,285,994</b>	<b>0</b>	<b>30,798,672</b>	<b>12,155,583</b>	<b>42,954,255</b>	<b>0</b>	<b>725,830</b>
<b>NEWPORT NEWS (CITY)</b>		<b>CANON VIRGINIA INC</b>						<b>12000 CANON BLVD</b>				<b>NAICS Code</b>	<b>334419</b>
METHANOL	N	767	911	1,678	0	0	1,678	0	13,690	0	13,690	0	6,218
O-XYLENE	N	411	489	900	0	0	900	0	11,419	0	11,419	0	6,415
Total for CANON VIRGINIA INC		1,178	1,400	2,578	0	0	2,578	0	25,109	0	25,109	0	12,633

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
<b>NEWPORT NEWS (CITY)</b>	<b>HUNTINGTON INGALLS INC</b>							<b>4101 WASHINGTON AVE</b>				<b>NAICS Code</b>	<b>336611</b>
CHROMIUM COMPOUNDS (EXCEPT	N	128	0	128	0	211	339	0	0	0	0	11	29,929
COPPER COMPOUNDS	N	747	2	749	0	373	1,123	0	0	0	0	233	60,020
DIISOCYANATES	N	1	0	1	0	0	1	0	0	0	0	0	29,676
MANGANESE	N	1,185	7	1,192	0	105	1,296	0	0	0	0	23	92,212
N-BUTYL ALCOHOL	N	31,981	109	32,090	0	0	32,090	0	0	0	0	19	18,821
NICKEL	N	370	1	371	0	211	582	0	0	0	0	43	11,413
XYLENE (MIXED ISOMERS)	N	20,383	137	20,521	0	0	20,521	0	0	0	0	19	20,064
ZINC COMPOUNDS	N	76	1	77	0	2,709	2,786	0	0	0	0	759	10,922
Total for HUNTINGTON INGALLS INC		<b>54,872</b>	<b>258</b>	<b>55,130</b>	<b>0</b>	<b>3,609</b>	<b>58,739</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,106</b>	<b>273,057</b>
<b>NEWPORT NEWS (CITY)</b>	<b>HUNTINGTON INGALLS INCORPORATED</b>							<b>4101 WASHINGTON AVE</b>				<b>NAICS Code</b>	<b>336611</b>
1,2,4-TRIMETHYLBENZENE	N	19,606	9	19,615	0	0	19,615	0	0	0	0	0	19,159
Total for HUNTINGTON INGALLS INCORPORATED		<b>19,606</b>	<b>9</b>	<b>19,615</b>	<b>0</b>	<b>0</b>	<b>19,615</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,159</b>
<b>NEWPORT NEWS (CITY)</b>	<b>MARVA MAID DAIRY</b>							<b>5500 CHESTNUT AVE</b>				<b>NAICS Code</b>	<b>311511</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	38,623
NITRIC ACID	N	0	0	0	0	0	0	0	0	43,598	43,598	0	0
Total for MARVA MAID DAIRY		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43,598</b>	<b>43,598</b>	<b>0</b>	<b>38,623</b>
<b>NEWPORT NEWS (CITY)</b>	<b>MICA CO OF CANADA INC</b>							<b>900 JEFFERSON AVE</b>				<b>NAICS Code</b>	<b>327999</b>
METHANOL	N	250	10,216	10,466	0	0	10,466	0	0	0	0	0	0
TOLUENE	N	250	9,261	9,511	0	0	9,511	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for MICA CO OF CANADA INC		500	19,477	19,977	0	0	19,977	0	0	0	0	0	0
<b>NEWPORT NEWS (CITY)</b>	<b>PAPCO OIL COMPANY</b>							<b>407 JEFFERSON AVENUE</b>				<b>NAICS Code</b>	<b>424710</b>
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PAPCO OIL COMPANY		0	0	0	0	0	0	0	0	0	0	0	0
<b>NEWPORT NEWS (CITY)</b>	<b>TCS MATERIALS NEWPORT NEWS</b>							<b>700 SHIELDS RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	62	0	62	0	0
Total for TCS MATERIALS NEWPORT NEWS		0	0	0	0	0	0	0	62	0	62	0	0
<b>NEWPORT NEWS (CITY)</b>	<b>VITESCO TECHNOLOGIES USA, LLC</b>							<b>615 BLAND BLVD</b>				<b>NAICS Code</b>	<b>336310</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	36,509
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	2,282
Total for VITESCO TECHNOLOGIES USA, LLC		0	0	0	0	0	0	0	0	0	0	0	38,791
<b>Total for Above County : (19 reports)</b>		<b>76,156</b>	<b>21,144</b>	<b>97,300</b>	<b>0</b>	<b>3,609</b>	<b>100,909</b>	<b>0</b>	<b>25,171</b>	<b>43,598</b>	<b>68,769</b>	<b>1,106</b>	<b>382,262</b>
<b>NORFOLK (CITY)</b>	<b>BAE SYSTEMS NORFOLK SHIP REPAIR</b>							<b>750 W BERKLEY AVE</b>				<b>NAICS Code</b>	<b>336611</b>
CHROMIUM COMPOUNDS (EXCEPT	N	13	0	13	0	0	13	0	0	0	0	0	2,115
COPPER COMPOUNDS	N	540	0	540	0	99	639	0	0	0	0	93	39,398
N-BUTYL ALCOHOL	N	4,056	0	4,056	0	0	4,056	0	0	0	0	0	2,764
ZINC COMPOUNDS	N	187	0	187	0	111	298	0	0	0	0	87	15,643
Total for BAE SYSTEMS NORFOLK SHIP REPAIR		4,796	0	4,796	0	210	5,006	0	0	0	0	180	59,921
<b>NORFOLK (CITY)</b>	<b>CAPITAL CONCRETE INC.</b>							<b>400 STAPLETON ST</b>				<b>NAICS Code</b>	<b>327320</b>

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	115	115	0	0	0	0	0	0
Total for CAPITAL CONCRETE INC.		0	0	0	0	115	115	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>		<b>COLONNA'S SHIPYARD INC</b>						<b>400 E INDIAN RIVER RD</b>				<b>NAICS Code</b>	<b>336611</b>
N-BUTYL ALCOHOL	N	8,686	0	8,686	0	0	8,686	0	0	0	0	0	1,761
XYLENE (MIXED ISOMERS)	N	12,044	0	12,044	0	0	12,044	0	0	0	0	0	4,211
Total for COLONNA'S SHIPYARD INC		20,730	0	20,730	0	0	20,730	0	0	0	0	0	5,972
<b>NORFOLK (CITY)</b>		<b>US NAVY NAVAL STATION NORFOLK</b>						<b>1530 GILBERT STREET SUITE 2000</b>				<b>NAICS Code</b>	<b>928110</b>
NAPHTHALENE	N	78	6	85	0	979	1,064	0	0	0	0	0	181
Total for US NAVY NAVAL STATION NORFOLK		78	6	85	0	979	1,064	0	0	0	0	0	181
<b>Total for Above County : (8 reports)</b>		<b>25,604</b>	<b>6</b>	<b>25,611</b>	<b>0</b>	<b>1,304</b>	<b>26,915</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180</b>	<b>66,074</b>
<b>NORTHUMBERLAND</b>		<b>OMEGA PROTEIN CORPORATION</b>						<b>610 MENHADEN RD</b>				<b>NAICS Code</b>	<b>311710</b>
AMMONIA	N	0	55,654	55,654	0	700	56,354	0	0	0	0	0	0
Total for OMEGA PROTEIN CORPORATION		0	55,654	55,654	0	700	56,354	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>55,654</b>	<b>55,654</b>	<b>0</b>	<b>700</b>	<b>56,354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NOTTOWAY</b>		<b>TYSON FARMS INC. - FEED MILL</b>						<b>1938 PATRICK HENRY HWY</b>				<b>NAICS Code</b>	<b>311119</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for TYSON FARMS INC. - FEED MILL		0	0	0	0	0	0	0	0	0	0	0	0
<b>NOTTOWAY</b>		<b>US ARMY NATIONAL GUARD FORT PICKETT (RANGES)</b>						<b>US PFO BUILDING 316 FORT PICKETT</b>				<b>NAICS Code</b>	<b>928110</b>
COPPER	N	0	0	0	64,101	0	64,101	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for US ARMY NATIONAL GUARD FORT PICK		0	0	0	64,101	0	64,101	0	0	0	0	0	0
Total for Above County : (2 reports)		0	0	0	64,101	0	64,101	0	0	0	0	0	0
<b>PAGE</b>	<b>MASONITE CORPORATION</b>							<b>280 DONOVAN DR</b>				<b>NAICS Code</b>	<b>321911</b>
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	4,227
Total for MASONITE CORPORATION		0	0	0	0	0	0	0	0	0	0	0	4,227
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	4,227
<b>PATRICK</b>	<b>MICROMETRICS SYSTEM</b>							<b>225 JEB STUART HWY</b>				<b>NAICS Code</b>	<b>332710</b>
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MICROMETRICS SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>PETERSBURG (CITY)</b>	<b>AMPAC FINE CHEMICALS VIRGINIA LLC</b>							<b>2820 N NORMANDY DRIVE</b>				<b>NAICS Code</b>	<b>325411</b>
METHANOL	N	3	632	636	0	0	636	0	0	0	0	0	21,761
METHYL TERT-BUTYL ETHER	N	8	2,800	2,808	0	0	2,808	0	0	0	0	0	620,970
Total for AMPAC FINE CHEMICALS VIRGINIA LLC		11	3,432	3,443	0	0	3,443	0	0	0	0	0	642,731
<b>PETERSBURG (CITY)</b>	<b>AMPAC FINE CHEMICALS VIRGINIA, LLC</b>							<b>2820 N NORMANDY DRIVE</b>				<b>NAICS Code</b>	<b>325411</b>
ACETONITRILE	N	25	887	912	0	0	912	0	0	0	0	0	926,742
DICHLOROMETHANE	N	34	2,059	2,093	0	0	2,093	0	0	0	0	0	247,366
Total for AMPAC FINE CHEMICALS VIRGINIA, LLC		59	2,945	3,004	0	0	3,004	0	0	0	0	0	1,174,108

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Chemical Name	form A*												
<b>PETERSBURG (CITY)</b>	<b>AMSTED RAIL CO INC</b>							<b>2580 FRONTAGE RD</b>				<b>NAICS Code</b>	<b>332111</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	82,358
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	36,751
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	115,972
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	82,977
Total for AMSTED RAIL CO INC		<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>318,058</b>
<b>PETERSBURG (CITY)</b>	<b>BLEACHTECH LLC</b>							<b>2020 BESSEMER RD</b>				<b>NAICS Code</b>	<b>325180</b>
CHLORINE	N	5	0	5	0	0	5	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for BLEACHTECH LLC		<b>10</b>	<b>5</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PETERSBURG (CITY)</b>	<b>BOAR'S HEAD PROVISIONS CO., INC. - PETERSBURG</b>							<b>1950 INDUSTRY PLACE</b>				<b>NAICS Code</b>	<b>311612</b>
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BOAR'S HEAD PROVISIONS CO., INC. - P		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PETERSBURG (CITY)</b>	<b>DOMINION CHEMICAL CO INC</b>							<b>2050 PUDDLEDOCK RD</b>				<b>NAICS Code</b>	<b>325998</b>
METHANOL	N	250	250	500	0	0	500	0	0	0	0	0	0
Total for DOMINION CHEMICAL CO INC		<b>250</b>	<b>250</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PETERSBURG (CITY)</b>	<b>PRE CON INC</b>							<b>220 S PERRY ST</b>				<b>NAICS Code</b>	<b>313320</b>
CYCLOHEXANE	N	0	204	204	0	0	204	0	0	1,478	1,478	0	14,145
Total for PRE CON INC		<b>0</b>	<b>204</b>	<b>204</b>	<b>0</b>	<b>0</b>	<b>204</b>	<b>0</b>	<b>0</b>	<b>1,478</b>	<b>1,478</b>	<b>0</b>	<b>14,145</b>
<b>PETERSBURG (CITY)</b>	<b>VALMONT-VIRGINIA GALVANIZING INC</b>							<b>3535 HALIFAX RD</b>				<b>NAICS Code</b>	<b>332812</b>

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ZINC COMPOUNDS	N	29	5	34	0	659	693	0	0	0	0	0	55,113
Total for VALMONT-VIRGINIA GALVANIZING INC		29	5	34	0	659	693	0	0	0	0	0	55,113
Total for Above County : (14 reports)		359	6,842	7,201	0	659	7,860	0	0	1,478	1,478	0	2,204,155
<b>PITTSYLVANIA ARKEMA INC</b>								<b>601 TIGHTSQUEEZE IND US TRIAL RD</b>				<b>NAICS Code</b>	<b>325211</b>
ACRYLIC ACID	N	1,400	250	1,650	0	0	1,650	0	0	326,000	326,000	0	0
BUTYL ACRYLATE	N	250	250	500	0	0	500	0	0	500	500	0	250
CERTAIN GLYCOL ETHERS	N	5	5	10	0	0	10	0	0	4,000	4,000	0	500
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROQUINONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL METHACRYLATE	N	250	250	500	0	0	500	0	0	350	350	0	1,500
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	2,100	250	2,350	0	0	2,350	0	960,000	25,500	985,500	0	298,250
TOLUENE DIISOCYANATE (MIXED	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	5	5	10	0	0	10	0	0	6	6	0	10,550
Total for ARKEMA INC		4,010	1,010	5,020	0	0	5,020	0	960,000	356,356	1,316,356	0	311,050
<b>PITTSYLVANIA ASCENT CHEMICALS - DANVILLE</b>								<b>1975 OLD RICHMOND RD</b>				<b>NAICS Code</b>	<b>325199</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	7
DICAMBA	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
MALEIC ANHYDRIDE	N	152	1	153	0	0	153	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
M-CRESOL	N	1,802	2	1,804	0	0	1,804	0	0	0	0	0	45,448
METHYL ISOBUTYL KETONE	N	5	5	10	0	0	10	0	0	0	0	0	563
N-BUTYL ALCOHOL	N	4,367	44	4,411	0	0	4,411	0	1,514,329	0	1,514,329	0	150,274
PHENOL	N	0	0	0	0	0	0	0	0	0	0	10	9
SODIUM DICAMBA	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	1,771	826	2,597	0	0	2,597	0	0	41,310	41,310	1	202,034
Total for ASCENT CHEMICALS - DANVILLE		<b>8,097</b>	<b>878</b>	<b>8,975</b>	<b>0</b>	<b>0</b>	<b>8,975</b>	<b>0</b>	<b>1,514,329</b>	<b>41,310</b>	<b>1,555,639</b>	<b>11</b>	<b>398,335</b>
<b>PITTSYLVANIA</b>		<b>COLUMBIA FOREST PRODUCTS</b>						<b>100 PAUL RD SW</b>				<b>NAICS Code</b>	<b>321211</b>
CERTAIN GLYCOL ETHERS	N	9,773	0	9,773	0	0	9,773	0	0	0	0	0	0
Total for COLUMBIA FOREST PRODUCTS		<b>9,773</b>	<b>0</b>	<b>9,773</b>	<b>0</b>	<b>0</b>	<b>9,773</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PITTSYLVANIA</b>		<b>INTERTAPE POLYMER CORP</b>						<b>1101 EAGLE SPRINGS RD</b>				<b>NAICS Code</b>	<b>326113</b>
TOLUENE	N	4,951	56,939	61,890	0	0	61,890	0	1,980,428	0	1,980,428	0	0
Total for INTERTAPE POLYMER CORP		<b>4,951</b>	<b>56,939</b>	<b>61,890</b>	<b>0</b>	<b>0</b>	<b>61,890</b>	<b>0</b>	<b>1,980,428</b>	<b>0</b>	<b>1,980,428</b>	<b>0</b>	<b>0</b>
<b>PITTSYLVANIA</b>		<b>JTI LEAF SERVICES (US) LLC</b>						<b>202 STINSON DRIVE</b>				<b>NAICS Code</b>	<b>312230</b>
AMMONIA	N	619	2,502	3,121	0	0	3,121	0	0	0	0	0	895
NICOTINE AND SALTS	N	11,042	23,773	34,815	0	0	34,815	0	0	0	0	2,196	1,720
Total for JTI LEAF SERVICES (US) LLC		<b>11,661</b>	<b>26,275</b>	<b>37,936</b>	<b>0</b>	<b>0</b>	<b>37,936</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,196</b>	<b>2,615</b>
<b>PITTSYLVANIA</b>		<b>POLYNT COMPOSITES USA INC.</b>						<b>920 TIGHTSQUEEZE IND US TRIAL RD</b>				<b>NAICS Code</b>	<b>325211</b>
1,2,4-TRIMETHYLBENZENE	N	0	0	1	0	0	1	0	0	0	0	0	2,530
DICYCLOPENTADIENE	N	158	326	484	0	0	484	0	0	0	0	0	6,651

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ETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	5,060
ETHYLENE GLYCOL	N	44	92	136	0	0	136	0	0	0	0	0	25,306
MALEIC ANHYDRIDE	N	244	910	1,153	0	0	1,153	0	0	0	0	0	127
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALIC ANHYDRIDE	N	103	311	414	0	0	414	0	0	0	0	0	127
STYRENE	N	559	898	1,457	0	0	1,457	0	0	0	0	575	25,330
Total for POLYNT COMPOSITES USA INC.		<b>1,109</b>	<b>2,538</b>	<b>3,646</b>	<b>0</b>	<b>0</b>	<b>3,646</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>575</b>	<b>65,131</b>
Total for Above County : (32 reports)		<b>39,600</b>	<b>87,640</b>	<b>127,240</b>	<b>0</b>	<b>0</b>	<b>127,240</b>	<b>0</b>	<b>4,454,757</b>	<b>397,666</b>	<b>4,852,423</b>	<b>2,781</b>	<b>777,131</b>
<b>PORTSMOUTH (CITY) U.S. AMINES (PORTSMOUTH) LLC</b>								<b>3230 W NORFOLK RD</b>				<b>NAICS Code</b>	<b>325199</b>
3-CHLORO-2-METHYL-1-PROPENE	N	37	1	38	0	0	38	0	0	28	28	0	0
ALLYL CHLORIDE	N	94	3	97	0	0	97	0	0	125	125	0	0
ALLYLAMINE	N	92	1,000	1,092	0	0	1,092	0	0	49,000	49,000	0	0
AMMONIA	N	35	0	35	0	0	35	0	0	0	0	0	3
Total for U.S. AMINES (PORTSMOUTH) LLC		<b>258</b>	<b>1,004</b>	<b>1,262</b>	<b>0</b>	<b>0</b>	<b>1,262</b>	<b>0</b>	<b>0</b>	<b>49,153</b>	<b>49,153</b>	<b>0</b>	<b>3</b>
<b>PORTSMOUTH (CITY) U.S. NAVY NORFOLK NAVAL SHIPYARD</b>								<b>INTERSECTION OF EFFINGHAM ST &amp; GEORGETOWN</b>				<b>NAICS Code</b>	<b>928110</b>
XYLENE (MIXED ISOMERS)	N	1,750	342	2,092	0	0	2,092	0	0	0	0	0	15,655
Total for U.S. NAVY NORFOLK NAVAL SHIPYARD		<b>1,750</b>	<b>342</b>	<b>2,092</b>	<b>0</b>	<b>0</b>	<b>2,092</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,655</b>
<b>PORTSMOUTH (CITY) US NAVY DEFENSE FUEL SUPPORT POINT CRANEY ISLAND</b>								<b>4501 CEDAR LN BLDG 288</b>				<b>NAICS Code</b>	<b>928110</b>
NAPHTHALENE	N	701	0	701	0	41	742	0	0	0	0	0	32
Total for US NAVY DEFENSE FUEL SUPPORT POI		<b>701</b>	<b>0</b>	<b>701</b>	<b>0</b>	<b>41</b>	<b>742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Above County : (6 reports)		2,709	1,346	4,055	0	41	4,096	0	0	49,153	49,153	0	15,689
<b>PRINCE GEORGE</b>		<b>NUCOR INSULATED PANEL GROUP</b>						<b>6001 QUALITY WAY</b>				<b>NAICS Code</b>	<b>332311</b>
DIISOCYANATES	N	2,536	0	2,536	0	0	2,536	0	0	0	0	0	0
NONYLPHENOL ETHOXYLATES	N	4,121	0	4,121	0	0	4,121	0	0	0	0	0	0
Total for NUCOR INSULATED PANEL GROUP		<b>6,657</b>	<b>0</b>	<b>6,657</b>	<b>0</b>	<b>0</b>	<b>6,657</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (2 reports)		<b>6,657</b>	<b>0</b>	<b>6,657</b>	<b>0</b>	<b>0</b>	<b>6,657</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>		<b>GAINESVILLE RMC FACILITY</b>						<b>14505 LEE HIGHWAY</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for GAINESVILLE RMC FACILITY		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>		<b>MANASSAS READY MIX CONCRETE</b>						<b>7310 OLD COMPTON RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MANASSAS READY MIX CONCRETE		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>		<b>MICRON TECHNOLOGY INC.</b>						<b>9600 GODWIN DR</b>				<b>NAICS Code</b>	<b>334413</b>
AMMONIA	N	460	16,000	16,460	0	86	16,546	0	0	15,000	15,000	41,000	41,000
CHLORINE	N	0	5,300	5,300	0	0	5,300	0	0	5,100	5,100	0	0
FLUORINE	N	0	11,000	11,000	0	0	11,000	0	0	130,000	130,000	0	0
HYDROGEN FLUORIDE	N	0	7,200	7,200	0	0	7,200	0	0	1,100,000	1,100,000	0	380
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	92,000	92,000
NITRIC ACID	N	0	81	81	0	0	81	0	0	92,000	92,000	0	2,000

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
N-METHYL-2-PYRROLIDONE	N	0	120	120	0	0	120	0	0	4,800	4,800	0	24,000
OZONE	N	0	150	150	0	0	150	0	0	150,000	150,000	0	0
PROPYLENE	N	0	9,400	9,400	0	0	9,400	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	700	700	0	0	700	0	0	120,000	120,000	0	0
Total for MICRON TECHNOLOGY INC.		460	49,951	50,411	0	86	50,497	0	0	1,616,900	1,616,900	133,000	159,380
<b>PRINCE WILLIAM</b>		<b>POSSUM POINT POWER STATION</b>						<b>19000 POSSUM POINT RD</b>				<b>NAICS Code</b>	<b>221112</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for POSSUM POINT POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>		<b>SAFETY-KLEEN SYSTEMS MANASSAS (MAN)</b>						<b>11520 BALLS FORD RD</b>				<b>NAICS Code</b>	<b>562112</b>
ETHYLENE GLYCOL	N	5	0	5	0	0	5	0	0	0	0	0	255,879
Total for SAFETY-KLEEN SYSTEMS MANASSAS (		5	0	5	0	0	5	0	0	0	0	0	255,879
<b>PRINCE WILLIAM</b>		<b>US MARINE CORPS BASE QUANTICO</b>						<b>3250 CATLIN AVE</b>				<b>NAICS Code</b>	<b>928110</b>
COPPER	N	0	0	0	48,040	0	48,041	0	0	0	0	0	0
N-HEXANE	N	10	500	510	0	0	510	0	0	0	0	0	0
TOLUENE	N	971	74	1,045	0	0	1,045	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO		981	574	1,556	48,040	0	49,596	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>		<b>US MARINE CORPS BASE QUANTICO RANGE COMPLEX</b>						<b>3250 CATLIN AVE</b>				<b>NAICS Code</b>	<b>928110</b>
1,2,4-TRIMETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	0

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ETHYLBENZENE	N	26	5	31	0	0	31	0	0	0	0	0	0
NAPHTHALENE	N	3	0	3	0	0	3	0	0	0	0	0	0
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	18,551	18,551	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	310	26	336	0	0	336	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO RA		339	32	371	0	18,551	18,922	0	0	0	0	0	0
PRINCE WILLIAM VIRGINIA CONCRETE DUMFRIES PLANT								217 CANAL RD				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	135	135	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DUMFRIES PLANT		0	0	0	0	135	135	0	0	0	0	0	0
PRINCE WILLIAM VIRGINIA CONCRETE GAINESVILLE PLANT								7300 RAIL LINE CT				NAICS Code	327320
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	130	130	0	0	0	0	0	0
Total for VIRGINIA CONCRETE GAINESVILLE PLA		0	0	0	0	130	130	0	0	0	0	0	0
Total for Above County : (26 reports)		1,786	50,557	52,343	48,040	18,902	119,285	0	0	1,616,900	1,616,900	133,000	415,259
PULASKI CONN-WELD INDUSTRIES LLC								5269 NEW BERN ROAD - STATE ROAD 682				NAICS Code	333131
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONN-WELD INDUSTRIES LLC		0	0	0	0	0	0	0	0	0	0	0	0
PULASKI CONN-WELD INDUSTRIES, LLC								5269 NEW BERN ROAD - STATE ROAD 682				NAICS Code	333131
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONN-WELD INDUSTRIES, LLC		0	0	0	0	0	0	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>PULASKI</b>	<b>HEYTEX-USA</b>							<b>509 BURGIS AVE</b>				<b>NAICS Code</b>	<b>313320</b>
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	12,935
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	407
Total for HEYTEX-USA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,342</b>
<b>PULASKI</b>	<b>IMPERIAL GROUP MANUFACTURING INC</b>							<b>4969 STEPP PLACE</b>				<b>NAICS Code</b>	<b>332322</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for IMPERIAL GROUP MANUFACTURING INC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PULASKI</b>	<b>JAMES HARDIE BUILDING PRODUCTS PULASKI</b>							<b>1000 JAMES HARDIE WAY</b>				<b>NAICS Code</b>	<b>327390</b>
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JAMES HARDIE BUILDING PRODUCTS P		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PULASKI</b>	<b>MAR-BAL, INC.</b>							<b>5400 RESERVE WAY</b>				<b>NAICS Code</b>	<b>326199</b>
STYRENE	N	0	3,900	3,900	0	0	3,900	0	0	0	0	0	461
Total for MAR-BAL, INC.		<b>0</b>	<b>3,900</b>	<b>3,900</b>	<b>0</b>	<b>0</b>	<b>3,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>461</b>
<b>PULASKI</b>	<b>VOLVO GROUP NORTH AMERICA, LLC</b>							<b>4881 COUGAR TRAIL ROAD</b>				<b>NAICS Code</b>	<b>336120</b>
CERTAIN GLYCOL ETHERS	N	4,423	21,774	26,197	0	0	26,197	0	0	699	699	0	0
DIISOCYANATES	N	111	2	113	0	0	113	0	0	108	108	0	0
ETHYLBENZENE	N	617	2,009	2,626	0	0	2,626	0	0	22,677	22,677	0	74,425

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# 2022 Toxics Release Inventory

Appendix F

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	31,775
METHANOL	N	181	142	323	0	0	323	0	0	11	11	0	996
N-BUTYL ALCOHOL	N	136	13,300	13,436	0	0	13,436	0	0	149,394	149,394	0	496,107
XYLENE (MIXED ISOMERS)	N	1,620	13,293	14,913	0	0	14,913	0	0	149,202	149,202	0	496,299
Total for VOLVO GROUP NORTH AMERICA, LLC		7,088	50,520	57,608	0	0	57,608	0	0	322,091	322,091	0	1,099,602
Total for Above County : (19 reports)		7,088	54,421	61,509	0	0	61,509	0	0	322,091	322,091	0	1,113,405
RICHMOND DOMINION - NORTHERN NECK COMBUSTION TURBINE STATIO								819 INDIANFIELD RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for DOMINION - NORTHERN NECK COMBUS		0	0	0	0	0	0	0	0	0	0	0	0
RICHMOND MONDELEZ GLOBAL LLC								6002 S LABURNUM AVE				NAICS Code	311821
AMMONIA	N	0	115,793	115,793	0	0	115,793	0	0	0	0	0	0
Total for MONDELEZ GLOBAL LLC		0	115,793	115,793	0	0	115,793	0	0	0	0	0	0
RICHMOND STELLA-JONES CORP								15939 HISTORY LAND HWY				NAICS Code	321114
ARSENIC COMPOUNDS	N	0	4	4	0	6	9	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	4	4	0	10	14	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	9	9	0	10	19	0	0	0	0	0	0
Total for STELLA-JONES CORP		0	16	16	0	26	42	0	0	0	0	0	0

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Chemical Name	form A*												
Total for Above County : (7 reports)		0	115,809	115,809	0	26	115,835	0	0	0	0	0	0
<b>RICHMOND (CITY)</b>	<b>BRENNTAG MID-SOUTH, INC.</b>							<b>738 GOODES ST</b>				<b>NAICS Code</b>	<b>424690</b>
METHANOL	N	2,204	0	2,204	0	0	2,204	0	0	0	0	0	0
STYRENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BRENNTAG MID-SOUTH, INC.		<b>2,204</b>	<b>0</b>	<b>2,204</b>	<b>0</b>	<b>0</b>	<b>2,204</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RICHMOND (CITY)</b>	<b>CARPENTER CO RICHMOND PLANT</b>							<b>2400 RICHMOND HWY</b>				<b>NAICS Code</b>	<b>326150</b>
DIISOCYANATES	N	16	295	311	0	0	311	0	0	0	0	0	12,546
ETHYLENE GLYCOL	N	1	15	16	0	0	16	0	0	0	0	0	2,201
TOLUENE DIISOCYANATE (MIXED	N	24	452	476	0	0	476	0	0	0	0	0	9,465
Total for CARPENTER CO RICHMOND PLANT		<b>40</b>	<b>762</b>	<b>803</b>	<b>0</b>	<b>0</b>	<b>803</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,212</b>
<b>RICHMOND (CITY)</b>	<b>KINDER MORGAN TRANSMIX COMPANY, LLC</b>							<b>3302 DEEPWATER TERMINAL RD</b>				<b>NAICS Code</b>	<b>424710</b>
1,2,4-TRIMETHYLBENZENE	N	126	0	127	0	0	127	0	0	8	8	0	1
BENZENE	N	109	13	122	0	0	122	0	0	272	272	0	1
CUMENE	N	8	0	8	0	0	8	0	0	3	3	0	0
ETHYLBENZENE	N	31	1	32	0	0	32	0	0	20	20	0	1
N-HEXANE	N	90	9	100	0	0	100	0	0	246	246	0	0
TOLUENE	N	233	15	249	0	1	249	0	0	304	304	0	3
XYLENE (MIXED ISOMERS)	N	290	5	295	0	1	296	0	0	123	123	0	3
Total for KINDER MORGAN TRANSMIX COMPANY,		<b>888</b>	<b>43</b>	<b>931</b>	<b>0</b>	<b>3</b>	<b>934</b>	<b>0</b>	<b>0</b>	<b>976</b>	<b>976</b>	<b>0</b>	<b>8</b>
<b>RICHMOND (CITY)</b>	<b>PHILIP MORRIS USA COMMERCE ROAD SITE</b>							<b>3601 COMMERCE RD</b>				<b>NAICS Code</b>	<b>312230</b>

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# 2022 Toxics Release Inventory

Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
NICOTINE AND SALTS	N	80	8,431	8,511	0	0	8,511	0	0	83,984	83,984	0	175,563
Total for PHILIP MORRIS USA COMMERCE ROAD		80	8,431	8,511	0	0	8,511	0	0	83,984	83,984	0	175,563
<b>RICHMOND (CITY)</b>								<b>710 HOSPITAL ST</b>				<b>NAICS Code</b>	<b>325199</b>
METHANOL	N	250	750	1,000	0	0	1,000	0	48,777	0	48,777	0	28,152
Total for RECO BIODIESEL, LLC		250	750	1,000	0	0	1,000	0	48,777	0	48,777	0	28,152
<b>RICHMOND (CITY)</b>								<b>4105 CASTLEWOOD RD</b>				<b>NAICS Code</b>	<b>325520</b>
TOLUENE	N	2,098	2,098	4,196	0	0	4,196	0	0	0	0	0	4,055
XYLENE (MIXED ISOMERS)	N	852	852	1,704	0	0	1,704	0	0	0	0	0	1,646
Total for UPACO ADHESIVES INC		2,950	2,950	5,900	0	0	5,900	0	0	0	0	0	5,701
<b>Total for Above County : (16 reports)</b>		<b>6,412</b>	<b>12,937</b>	<b>19,349</b>	<b>0</b>	<b>3</b>	<b>19,352</b>	<b>0</b>	<b>48,777</b>	<b>84,960</b>	<b>133,737</b>	<b>0</b>	<b>233,637</b>
<b>ROANOKE</b>								<b>2132 CARDINAL PARK DR</b>				<b>NAICS Code</b>	<b>327215</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	29,738
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	11,345
Total for CARDINAL GLASS		0	0	0	0	0	0	0	0	0	0	0	41,083
<b>ROANOKE</b>								<b>1003 WALNUT AVE</b>				<b>NAICS Code</b>	<b>311119</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CARGILL FEED & NUTRITION ROANOKE		0	0	0	0	0	0	0	0	0	0	0	0

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<b>ROANOKE</b>	<b>GRAHAM-WHITE MANUFACTURING CO.</b>							<b>1242 COLORADO ST</b>				<b>NAICS Code</b>	<b>336510</b>
COPPER	N	17	0	17	0	0	17	0	0	0	0	0	45,688
Total for GRAHAM-WHITE MANUFACTURING CO.		<b>17</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45,688</b>
<b>ROANOKE</b>	<b>KIK (VIRGINIA) LLC</b>							<b>27 MILL LN</b>				<b>NAICS Code</b>	<b>325612</b>
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHLORINE	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for KIK (VIRGINIA) LLC		<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ROANOKE</b>	<b>KOPPERS INC (ROANOKE)</b>							<b>4020 KOPPERS RD</b>				<b>NAICS Code</b>	<b>321114</b>
CREOSOTE	N	2,000	1,600	3,600	0	1	3,601	0	480,000	50	480,050	0	36,000
Total for KOPPERS INC (ROANOKE)		<b>2,000</b>	<b>1,600</b>	<b>3,600</b>	<b>0</b>	<b>1</b>	<b>3,601</b>	<b>0</b>	<b>480,000</b>	<b>50</b>	<b>480,050</b>	<b>0</b>	<b>36,000</b>
<b>ROANOKE</b>	<b>MARVIN COMPOSITES</b>							<b>5415 CORPORATE CIR</b>				<b>NAICS Code</b>	<b>326199</b>
STYRENE	N	0	1,128	1,128	0	0	1,128	0	0	56,886	56,886	0	94
Total for MARVIN COMPOSITES		<b>0</b>	<b>1,128</b>	<b>1,128</b>	<b>0</b>	<b>0</b>	<b>1,128</b>	<b>0</b>	<b>0</b>	<b>56,886</b>	<b>56,886</b>	<b>0</b>	<b>94</b>
<b>ROANOKE</b>	<b>MEDECO SECURITY LOCKS INC.</b>							<b>3625 ALLEGHENY DR</b>				<b>NAICS Code</b>	<b>332510</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	591,194
ZINC (FUME OR DUST)	N	0	1	1	0	0	1	0	0	0	0	0	32,420
Total for MEDECO SECURITY LOCKS INC.		<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>623,614</b>
<b>ROANOKE</b>	<b>MENNEL MILLING CO OF VIRGINIA</b>							<b>5185 BENOIS RD</b>				<b>NAICS Code</b>	<b>311211</b>
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MENNEL MILLING CO OF VIRGINIA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Chemical Name	form A*												
<b>ROANOKE</b>	<b>NEW MILLENNIUM BUILDING SYSTEMS</b>							<b>100 DIUGUIDS LANE</b>				<b>NAICS Code</b>	<b>332312</b>
CERTAIN GLYCOL ETHERS	N	54,019	0	54,019	0	0	54,019	0	0	0	0	0	0
MANGANESE	N	242	0	242	0	0	242	0	0	0	0	0	155,676
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	24,339
Total for NEW MILLENNIUM BUILDING SYSTEMS		<b>54,262</b>	<b>0</b>	<b>54,262</b>	<b>0</b>	<b>0</b>	<b>54,262</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,015</b>
<b>ROANOKE</b>	<b>NOVOZYMES</b>							<b>420 KESLER MILL RD</b>				<b>NAICS Code</b>	<b>325414</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	22
Total for NOVOZYMES		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>ROANOKE</b>	<b>SAFETY-KLEEN SYSTEMS VINTON (ROA)</b>							<b>16090 STEWARTSVILLE RD</b>				<b>NAICS Code</b>	<b>562112</b>
ETHYLENE GLYCOL	N	1	0	1	0	0	1	0	0	0	0	0	23,936
Total for SAFETY-KLEEN SYSTEMS VINTON (ROA		<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,936</b>
<b>ROANOKE</b>	<b>VIRGINIA TRANSFORMER CORP.</b>							<b>220 GLADE VIEW DR NE</b>				<b>NAICS Code</b>	<b>335311</b>
XYLENE (MIXED ISOMERS)	N	6,500	1,750	8,250	0	0	8,250	0	1,000	0	1,000	0	0
Total for VIRGINIA TRANSFORMER CORP.		<b>6,500</b>	<b>1,750</b>	<b>8,250</b>	<b>0</b>	<b>0</b>	<b>8,250</b>	<b>0</b>	<b>1,000</b>	<b>0</b>	<b>1,000</b>	<b>0</b>	<b>0</b>
<b>ROANOKE</b>	<b>YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC</b>							<b>1500 INDIANA ST</b>				<b>NAICS Code</b>	<b>326211</b>
ZINC COMPOUNDS	N	3,653	0	3,653	0	0	3,653	0	0	0	0	44	18,742
Total for YOKOHAMA TIRE MANUFACTURING VIR		<b>3,653</b>	<b>0</b>	<b>3,653</b>	<b>0</b>	<b>0</b>	<b>3,653</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>18,742</b>
Total for Above County : (20 reports)		<b>66,434</b>	<b>4,479</b>	<b>70,913</b>	<b>0</b>	<b>1</b>	<b>70,914</b>	<b>0</b>	<b>481,000</b>	<b>56,936</b>	<b>537,936</b>	<b>44</b>	<b>969,194</b>
<b>ROANOKE (CITY)</b>	<b>AKZO NOBEL COATINGS INC</b>							<b>2837 ROANOKE AVE SW</b>				<b>NAICS Code</b>	<b>325510</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
1,2,4-TRIMETHYLBENZENE	N	786	0	786	0	0	786	0	0	0	0	0	4,110
ETHYLBENZENE	N	827	11	838	0	0	838	0	0	0	0	0	2,466
METHANOL	N	350	37	387	0	0	387	0	0	0	0	0	9,217
METHYL ISOBUTYL KETONE	N	4,493	0	4,493	0	0	4,493	0	0	0	0	0	4,110
N-BUTYL ALCOHOL	N	1,242	0	1,242	0	0	1,242	0	0	0	0	0	10,684
TOLUENE	N	964	32	996	0	0	996	0	0	0	0	0	17,258
XYLENE (MIXED ISOMERS)	N	3,833	23	3,856	0	0	3,856	0	0	0	0	0	25,475
Total for AKZO NOBEL COATINGS INC		12,495	103	12,598	0	0	12,598	0	0	0	0	0	73,320
ROANOKE (CITY) CHEMSOLV INC								1140 INDUSTRY AVE SE				NAICS Code	424690
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ACRYLIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
DICHLOROMETHANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIETHANOLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLENE GLYCOL	N	13	1	14	0	0	14	0	0	0	0	0	100
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
FORMIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	N	353	350	703	0	0	703	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHYL TERT-BUTYL ETHER	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	N	257	80	337	0	0	337	0	0	0	0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NONYLPHENOL ETHOXYLATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	164	359	523	0	0	523	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHEMSOLV INC		787	790	1,577	0	0	1,577	0	0	0	0	0	100
ROANOKE (CITY) STEEL DYNAMICS INC ROANOKE BAR DIV								102 WESTSIDE BLVD				NAICS Code	331110
CHROMIUM COMPOUNDS (EXCEPT	N	10	34	44	0	0	44	0	0	0	0	0	53,219
COPPER COMPOUNDS	N	2	38	40	0	284	324	0	0	0	0	0	48,058
MANGANESE COMPOUNDS	N	100	1,022	1,122	0	0	1,122	0	0	0	0	0	411,769
NICKEL COMPOUNDS	N	1	5	5	0	0	5	0	0	0	0	0	6,992
ZINC COMPOUNDS	N	31	1,976	2,007	0	942	2,949	0	0	0	0	0	3,802,096
Total for STEEL DYNAMICS INC ROANOKE BAR DI		144	3,075	3,218	0	1,226	4,445	0	0	0	0	0	4,322,134
ROANOKE (CITY) TRIVIUM PACKAGING USA INC								5022 HOLLINS RD				NAICS Code	332431
COPPER	N	0	0	0	0	5	5	0	0	0	0	3	13,002
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	7	63,003
N-BUTYL ALCOHOL	N	0	16,000	16,000	0	0	16,000	0	0	903,000	903,000	0	18,000
Total for TRIVIUM PACKAGING USA INC		0	16,000	16,000	0	5	16,005	0	0	903,000	903,000	10	94,005

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery	Recycling	Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ROANOKE (CITY) TRIVIUM PACKAGING USA, INC								5022 HOLLINS RD				NAICS Code	332431
CERTAIN GLYCOL ETHERS	N	0	3,000	3,000	0	0	3,000	0	0	170,000	170,000	0	3,200
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	33,017
Total for TRIVIUM PACKAGING USA, INC		0	3,000	3,000	0	0	3,000	0	0	170,000	170,000	0	36,217
Total for Above County : (37 reports)		13,426	22,968	36,393	0	1,231	37,625	0	0	1,073,000	1,073,000	10	4,525,776
ROCKBRIDGE MODINE MANUFACTURING CO								1221 MAGNOLIA AVE				NAICS Code	333414
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	10,023
COPPER	N	24	81	105	0	0	105	0	0	0	0	0	1,862
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	1,470
Total for MODINE MANUFACTURING CO		24	81	105	0	0	105	0	0	0	0	0	13,355
ROCKBRIDGE MUNTERS								225 S MAGNOLIA AVE				NAICS Code	333415
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	24,823
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	2,550
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	16,733
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	31,030
ZINC COMPOUNDS	N	0	0	0	0	5	5	0	0	0	0	0	51,260
Total for MUNTERS		0	0	0	0	5	5	0	0	0	0	0	126,396
ROCKBRIDGE MUNTERS CORP								43 DOUGLAS WAY				NAICS Code	333415
CHROMIUM	N	5	0	5	0	0	5	0	0	0	0	0	4,142

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE	N	5	0	5	0	0	5	0	0	0	0	0	1,800
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	5,491
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1
Total for MUNTERS CORP		11	0	11	0	0	11	0	0	0	0	0	11,434
<b>ROCKBRIDGE</b>		<b>STELLA JONES CORP-GOSHEN FACILITY</b>						<b>9223 MAURY RIVER RD</b>				<b>NAICS Code</b>	<b>321114</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CREOSOTE	N	4,198	2,575	6,773	0	12	6,785	0	0	0	0	0	20,707
Total for STELLA JONES CORP-GOSHEN FACILIT		4,198	2,575	6,773	0	12	6,785	0	0	0	0	0	20,707
<b>Total for Above County : (15 reports)</b>		<b>4,233</b>	<b>2,656</b>	<b>6,889</b>	<b>0</b>	<b>17</b>	<b>6,906</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>171,892</b>
<b>ROCKINGHAM</b>		<b>CARGILL MEAT SOLUTIONS INC</b>						<b>135 HUFFMAN DR</b>				<b>NAICS Code</b>	<b>311615</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	70,942	70,942	60,226	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	22,000	22,000	68,609	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	171,000	171,000	0	0
Total for CARGILL MEAT SOLUTIONS INC		0	0	0	0	0	0	0	0	263,942	263,942	128,835	0
<b>ROCKINGHAM</b>		<b>DARLING INGREDIENTS INC LINVILLE FACILITY</b>						<b>6230 KRATZER RD</b>				<b>NAICS Code</b>	<b>311613</b>
CHLORINE DIOXIDE	N	0	0	0	35,826	0	35,826	0	0	0	0	0	0
Total for DARLING INGREDIENTS INC LINVILLE FA		0	0	0	35,826	0	35,826	0	0	0	0	0	0
<b>ROCKINGHAM</b>		<b>GEORGE'S FOODS, LLC. PROCESSING PLANT</b>						<b>501 N LIBERTY ST</b>				<b>NAICS Code</b>	<b>311615</b>
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	9,674
PERACETIC ACID	N	1,065	0	1,065	0	0	1,065	0	0	211,767	211,767	0	107

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for GEORGE'S FOODS, LLC. PROCESSING P		1,065	0	1,065	0	0	1,065	0	0	211,767	211,767	0	9,781
<b>ROCKINGHAM</b> <b>MERCK SHARP &amp; DOHME LLC</b>								<b>2778 SE SIDE HWY</b>				<b>NAICS Code</b>	<b>325412</b>
ACETONITRILE	N	1,972	294	2,266	0	0	2,266	0	0	3,268	3,268	0	220,651
ETHYLENE GLYCOL	N	1	0	1	0	0	1	0	0	5,115	5,115	0	3,175
METHANOL	N	3,468	2,221	5,689	0	0	5,689	0	0	204,885	204,885	0	205,950
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	47,315	47,315	0	0
Total for MERCK SHARP & DOHME LLC		5,441	2,515	7,956	0	0	7,956	0	0	260,583	260,583	0	429,776
<b>ROCKINGHAM</b> <b>MOLSON COORS SHENANDOAH BREWERY</b>								<b>5135 S EASTSIDE HWY</b>				<b>NAICS Code</b>	<b>312120</b>
AMMONIA	N	641	1,240	1,881	14,783	212	16,876	0	0	14,783	14,783	0	0
NITRATE COMPOUNDS (WATER DI	N	64	0	64	820	6,042	6,925	0	0	0	0	0	0
NITRIC ACID	N	0	0	0	0	5	5	0	0	37,947	37,947	0	0
Total for MOLSON COORS SHENANDOAH BREWE		705	1,240	1,945	15,603	6,259	23,806	0	0	52,730	52,730	0	0
<b>ROCKINGHAM</b> <b>PILGRIM'S PRIDE CORP BROADWAY FACILITY</b>								<b>330 CO-OP DR</b>				<b>NAICS Code</b>	<b>311615</b>
AMMONIA	N	3,580	0	3,580	0	0	3,580	0	0	0	0	0	26,650
PERACETIC ACID	N	3,083	0	3,083	0	0	3,083	0	0	149,526	149,526	1,542	1,542
Total for PILGRIM'S PRIDE CORP BROADWAY FA		6,663	0	6,663	0	0	6,663	0	0	149,526	149,526	1,542	28,192
<b>ROCKINGHAM</b> <b>VPGC LLC BROADWAY FEEDMIL</b>								<b>410 S MAIN ST</b>				<b>NAICS Code</b>	<b>311119</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
Total for VPGC LLC BROADWAY FEEDMIL		0	0	0	0	0	0	0	0	0	0	0	0
<b>ROCKINGHAM</b>	<b>VPGC LLC HINTON FACILITY</b>							<b>6349 RAWLEY PIKE HWY 33 WE</b>				<b>NAICS Code</b>	<b>311615</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	73,685	73,685	0	0	601,426	601,426	0	0
Total for VPGC LLC HINTON FACILITY		0	0	0	0	73,685	73,685	0	0	601,426	601,426	0	0
<b>ROCKINGHAM</b>	<b>WWF OPERATING CO</b>							<b>6364 S VALLEY PIKE</b>				<b>NAICS Code</b>	<b>311511</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	323,644	323,644
NITRIC ACID	N	0	0	0	0	0	0	0	0	329,791	329,791	989	989
Total for WWF OPERATING CO		0	0	0	0	0	0	0	0	329,791	329,791	324,633	324,633
<b>Total for Above County : (21 reports)</b>		<b>13,874</b>	<b>3,755</b>	<b>17,629</b>	<b>51,429</b>	<b>79,944</b>	<b>149,001</b>	<b>0</b>	<b>0</b>	<b>1,869,765</b>	<b>1,869,765</b>	<b>455,010</b>	<b>792,382</b>
<b>RUSSELL</b>	<b>SAMUEL SON &amp; COMPANY (USA) INC.</b>							<b>58 SAMUEL WAY</b>				<b>NAICS Code</b>	<b>332420</b>
MANGANESE	N	68	0	68	0	17	85	0	0	0	0	0	13,786
Total for SAMUEL SON & COMPANY (USA) INC.		68	0	68	0	17	85	0	0	0	0	0	13,786
<b>Total for Above County : (1 record)</b>		<b>68</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>17</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,786</b>
<b>SALEM (CITY)</b>	<b>LAKE REGION MEDICAL, INC</b>							<b>200 S YORKSHIRE ST</b>				<b>NAICS Code</b>	<b>332996</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	1,061	1,061	25,831	25,831
NITRIC ACID	N	0	0	0	0	0	0	0	0	11,691	11,691	0	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	19,792	19,792	0	0
Total for LAKE REGION MEDICAL, INC		0	0	0	0	0	0	0	0	32,544	32,544	25,831	25,831
<b>SALEM (CITY)</b>	<b>NOVOZYMES BIOLOGICALS INC</b>							<b>528 CHAPMAN ST</b>				<b>NAICS Code</b>	<b>325414</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS (WATER DI	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for NOVOZYMES BIOLOGICALS INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>SALEM (CITY)</b>		<b>QUALICHEM, INC PLANT 1</b>						<b>2003 SALEM INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>325998</b>
2-PHENYLPHENOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUALICHEM, INC PLANT 1		0	0	0	0	0	0	0	0	0	0	0	0
<b>SALEM (CITY)</b>		<b>QUALICHEM, INC. PLANT 2</b>						<b>510 BRANCH DR</b>				<b>NAICS Code</b>	<b>325998</b>
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM NITRITE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUALICHEM, INC. PLANT 2		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (8 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32,544</b>	<b>32,544</b>	<b>25,831</b>	<b>25,831</b>
<b>SCOTT</b>		<b>JOY GLOBAL UNDERGROUND MINING, LLC</b>						<b>811 BOONE TRAIL RD</b>				<b>NAICS Code</b>	<b>811310</b>
CHROMIUM	N	250	0	250	0	0	250	0	0	0	0	0	38,938
MANGANESE	N	250	0	250	0	0	250	0	0	0	0	0	57,242
Total for JOY GLOBAL UNDERGROUND MINING, L		500	0	500	0	0	500	0	0	0	0	0	96,180
<b>SCOTT</b>		<b>TEMPUR PRODUCTION USA INC</b>						<b>203 TEMPURPEDIC DR</b>				<b>NAICS Code</b>	<b>337910</b>
DIISOCYANATES	N	5	5	10	0	0	10	0	0	0	0	0	5,581
TOLUENE DIISOCYANATE (MIXED	N	5	5	10	0	0	10	0	0	0	0	0	583
Total for TEMPUR PRODUCTION USA INC		10	10	20	0	0	20	0	0	0	0	0	6,164

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Appendix F

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (4 reports)		510	10	520	0	0	520	0	0	0	0	0	102,344
<b>SHENANDOAH CABINETWORKS GROUP - MOUNT JACKSON PLANT</b>								<b>1325 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>337110</b>
ETHYLBENZENE	N	473	3,525	3,997	0	0	3,997	0	0	8,430	8,430	0	2,783
N-BUTYL ALCOHOL	N	269	9,599	9,868	0	0	9,868	0	0	4,858	4,858	0	7,111
TOLUENE	N	782	1,483	2,265	0	0	2,265	0	0	13,898	13,898	0	1,977
XYLENE (MIXED ISOMERS)	N	2,015	16,459	18,473	0	0	18,473	0	0	35,929	35,929	0	12,504
Total for CABINETWORKS GROUP - MOUNT JACK		<b>3,539</b>	<b>31,065</b>	<b>34,604</b>	<b>0</b>	<b>0</b>	<b>34,604</b>	<b>0</b>	<b>0</b>	<b>63,116</b>	<b>63,116</b>	<b>0</b>	<b>24,375</b>
<b>SHENANDOAH GEORGE'S CHICKEN LLC</b>								<b>19992 SENEDO RD</b>				<b>NAICS Code</b>	<b>311615</b>
AMMONIA	N	8,853	0	8,853	0	48	8,901	0	0	476,446	476,446	0	3,488
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	13,945	13,945	0	7
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	44,822	44,822	0	0	1,711,904	1,711,904	0	56,419
PERACETIC ACID	N	1,899	0	1,899	0	0	1,899	0	0	377,757	377,757	0	185
Total for GEORGE'S CHICKEN LLC		<b>10,752</b>	<b>0</b>	<b>10,752</b>	<b>0</b>	<b>44,870</b>	<b>55,622</b>	<b>0</b>	<b>0</b>	<b>2,580,052</b>	<b>2,580,052</b>	<b>0</b>	<b>60,099</b>
<b>SHENANDOAH HOWELL METAL CO</b>								<b>574 DEPOT RD</b>				<b>NAICS Code</b>	<b>331420</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	51,136
Total for HOWELL METAL CO		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51,136</b>
<b>SHENANDOAH NEW MARKET POULTRY LLC</b>								<b>145 OLD EAST CROSS ROAD</b>				<b>NAICS Code</b>	<b>311615</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	138,190	138,190	0	0	207,200	207,200	0	230
Total for NEW MARKET POULTRY LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>138,190</b>	<b>138,190</b>	<b>0</b>	<b>0</b>	<b>207,200</b>	<b>207,200</b>	<b>0</b>	<b>230</b>

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Above County : (10 reports)		14,291	31,065	45,356	0	183,060	228,416	0	0	2,850,368	2,850,368	0	135,840
SMYTH UTILITY TRAILER MANUFACTURING CO								124 MOUNTAIN EMPIRE RD				NAICS Code	336212
CHROMIUM	N	0	3	3	0	0	3	0	0	0	0	0	110,609
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
FORMIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	11	11	0	0	11	0	0	0	0	0	61,493
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	35,472
TRIETHYLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for UTILITY TRAILER MANUFACTURING CO		0	15	15	0	0	15	0	0	0	0	0	207,574
Total for Above County : (6 reports)		0	15	15	0	0	15	0	0	0	0	0	207,574
SOUTHAMPTON ARKEMA INC FRANKLIN PLANT								27047 SHADY BROOK TRAIL				NAICS Code	325199
TERT-BUTYL ALCOHOL	N	250	250	500	0	0	500	0	0	0	0	0	119,010
Total for ARKEMA INC FRANKLIN PLANT		250	250	500	0	0	500	0	0	0	0	0	119,010
SOUTHAMPTON ATLANTIC POLE & PILING - NEWSOMS								21366 GENERAL THOMAS HWY				NAICS Code	321114
ARSENIC COMPOUNDS	N	0	0	0	0	7	7	0	0	0	0	0	117
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	5	5	0	0	0	0	0	131
COPPER COMPOUNDS	N	0	0	0	0	2	2	0	0	0	0	0	78
Total for ATLANTIC POLE & PILING - NEWSOMS		0	0	0	0	14	14	0	0	0	0	0	326
SOUTHAMPTON SOLENIS LLC								27123 SHADY BROOK TRAIL				NAICS Code	325199

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# 2022 Toxics Release Inventory

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
1,2-DICHLOROPROPANE	N	3,298	503	3,801	0	66	3,867	0	0	0	0	0	100
HYDROCHLORIC ACID (ACID AERO	N	4,439	0	4,439	0	0	4,439	0	0	0	0	0	0
TRIETHYLAMINE	N	4,266	628	4,894	0	7	4,901	0	0	0	0	0	100
Total for SOLENIS LLC		12,003	1,131	13,134	0	73	13,207	0	0	0	0	0	200
Total for Above County : (7 reports)		12,253	1,381	13,634	0	87	13,721	0	0	0	0	0	119,536
<b>SPOTSYLVANIA CMC REBAR</b>								<b>9434 CROSSROADS PKWY</b>				<b>NAICS Code</b>	<b>332312</b>
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CMC REBAR		0	0	0	0	0	0	0	0	0	0	0	0
<b>SPOTSYLVANIA OLDCASTLE PRECAST INC</b>								<b>5115 MASSAPONAX CHURCH RD</b>				<b>NAICS Code</b>	<b>327390</b>
MANGANESE COMPOUNDS	N	0	2	2	89	0	91	0	0	0	0	0	608
Total for OLDCASTLE PRECAST INC		0	2	2	89	0	91	0	0	0	0	0	608
<b>SPOTSYLVANIA RUFFIN CREEK PROPERTIES LLC</b>								<b>10229 TIDEWATER TRAIL</b>				<b>NAICS Code</b>	<b>321114</b>
COPPER COMPOUNDS	N	0	0	0	0	3	3	0	0	0	0	0	0
Total for RUFFIN CREEK PROPERTIES LLC		0	0	0	0	3	3	0	0	0	0	0	0
<b>SPOTSYLVANIA SPOTSYLVANIA PLANT</b>								<b>8520 INDIAN HILLS CT.</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SPOTSYLVANIA PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>SPOTSYLVANIA VIRGINIA CONCRETE SPOTSYLVANIA PLANT</b>								<b>6110 SMITH STATION ROAD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	154	154	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for VIRGINIA CONCRETE SPOTSYLVANIA PL		0	0	0	0	154	154	0	0	0	0	0	0
Total for Above County : (5 reports)		0	2	2	89	157	248	0	0	0	0	0	608
<b>STAFFORD</b>	<b>FTG CORP.</b>							<b>1026 WARRENTON RD</b>				<b>NAICS Code</b>	<b>334412</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	750
Total for FTG CORP.		0	0	0	0	0	0	0	0	0	0	0	750
<b>STAFFORD</b>	<b>MAPEI CORP</b>							<b>300 NELMS CIR</b>				<b>NAICS Code</b>	<b>325520</b>
LITHIUM CARBONATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MAPEI CORP		0	0	0	0	0	0	0	0	0	0	0	0
<b>STAFFORD</b>	<b>U.S. DOJ FBI TRAINING ACADEMY</b>							<b>MCB-4 BUILDING 15-FMU</b>				<b>NAICS Code</b>	<b>921110</b>
COPPER COMPOUNDS	N	94	8	102	0	0	102	0	0	0	0	0	15,067
Total for U.S. DOJ FBI TRAINING ACADEMY		94	8	102	0	0	102	0	0	0	0	0	15,067
<b>STAFFORD</b>	<b>VIRGINIA CONCRETE-STAFFORD PLANT</b>							<b>32 WYCHE RD</b>				<b>NAICS Code</b>	<b>327320</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	75	75	0	0	0	0	0	0
Total for VIRGINIA CONCRETE-STAFFORD PLANT		0	0	0	0	75	75	0	0	0	0	0	0
Total for Above County : (4 reports)		94	8	102	0	75	177	0	0	0	0	0	15,817
<b>SUFFOLK (CITY)</b>	<b>AIRGAS SPECIALTY PRODUCTS INC., SUFFOLK, VA</b>							<b>105 DILL RD</b>				<b>NAICS Code</b>	<b>424690</b>
AMMONIA	N	425	39	464	0	0	464	0	0	0	0	0	0
Total for AIRGAS SPECIALTY PRODUCTS INC., SU		425	39	464	0	0	464	0	0	0	0	0	0
<b>SUFFOLK (CITY)</b>	<b>CAMERON CHEMICAL INC.</b>							<b>830 OLD DILL RD.</b>				<b>NAICS Code</b>	<b>325314</b>

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COPPER COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
ZINC COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
Total for CAMERON CHEMICAL INC.		750	750	1,500	0	15	1,515	0	0	0	0	0	0
SUFFOLK (CITY) SOLENIS LLC								2301 WILROY RD				NAICS Code	325199
ACRYLAMIDE	N	38	505	543	0	0	543	0	0	0	0	0	1,250
ACRYLIC ACID	N	207	5	212	0	0	212	0	0	9,196	9,196	0	0
ACRYLONITRILE	N	38	1,893	1,931	0	0	1,931	0	0	0	0	0	250
AMMONIA	N	250	250	500	0	0	500	0	0	0	0	0	500
METHANOL	N	843	6,825	7,668	0	0	7,668	0	3,644,242	0	3,644,242	0	750
Total for SOLENIS LLC		1,376	9,478	10,854	0	0	10,854	0	3,644,242	9,196	3,653,438	0	2,750
Total for Above County : (9 reports)		2,551	10,267	12,818	0	15	12,833	0	3,644,242	9,196	3,653,438	0	2,750
SUSSEX MURPHY-BROWN LLC WAVERLY FEED MILL								27404 CABIN POINT RD				NAICS Code	311119
COPPER COMPOUNDS	N	0	4	4	0	0	4	0	0	0	0	0	7
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	2
ZINC (FUME OR DUST)	N	0	6	6	0	0	6	0	0	0	0	0	9
Total for MURPHY-BROWN LLC WAVERLY FEED		0	11	11	0	0	11	0	0	0	0	0	17
Total for Above County : (3 reports)		0	11	11	0	0	11	0	0	0	0	0	17
VIRGINIA BEACH (CITY) PAPCO INC								4920 SOUTHERN BLVD				NAICS Code	424710

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PAPCO INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>STIHL INC</b>							<b>536 VIKING DR</b>				<b>NAICS Code</b>	<b>333112</b>
N-HEXANE	N	79	8,966	9,045	0	0	9,045	0	0	0	0	0	0
TOLUENE	N	39	4,483	4,522	0	0	4,522	0	0	0	0	0	0
Total for STIHL INC		118	13,449	13,567	0	0	13,567	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>US NAVY NAVAL AIR STATION OCEANA BASE</b>							<b>1750 TOMCAT BLVD</b>				<b>NAICS Code</b>	<b>928110</b>
NAPHTHALENE	N	0	0	0	0	153	153	0	0	0	0	0	0
Total for US NAVY NAVAL AIR STATION OCEANA		0	0	0	0	153	153	0	0	0	0	0	0
<b>Total for Above County : (10 reports)</b>		<b>118</b>	<b>13,449</b>	<b>13,567</b>	<b>0</b>	<b>153</b>	<b>13,720</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>WARREN</b>	<b>AXALTA COATING SYSTEMS USA LLC-FRONT ROYAL PLANT</b>							<b>7961 WINCHESTER RD</b>				<b>NAICS Code</b>	<b>325510</b>
1,2,4-TRIMETHYLBENZENE	N	0	270	270	0	0	270	0	0	62	62	0	10,391
1,2-BUTYLENE OXIDE	N	0	79	79	0	0	79	0	0	0	0	0	0
ACRYLIC ACID	N	0	375	375	0	0	375	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ACRYLONITRILE	N	0	0	0	0	0	0	0	0	0	0	0	1
BUTYL ACRYLATE	N	0	431	431	0	0	431	0	0	0	0	0	683
CERTAIN GLYCOL ETHERS	N	0	2	2	0	0	2	0	0	3	3	0	2,438
CHROMIUM COMPOUNDS (EXCEPT	N	0	1	1	0	0	1	0	0	0	0	0	872
CYCLOHEXANOL	N	0	19	19	0	0	19	0	0	0	0	0	0
DIISOCYANATES	N	0	15	15	0	0	15	0	0	0	0	0	215
ETHYLBENZENE	N	2	3,675	3,677	0	0	3,677	0	0	196	196	0	49,814
ETHYLENE GLYCOL	N	0	181	181	0	0	181	0	0	0	0	0	0
METHANOL	N	379	1,896	2,275	0	0	2,275	0	0	0	0	0	0
METHYL ACRYLATE	N	0	327	327	0	0	327	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	N	0	386	386	0	0	386	0	0	479	479	0	479
METHYL METHACRYLATE	N	0	5,844	5,844	0	0	5,844	0	0	0	0	0	15
NAPHTHALENE	N	0	60	60	0	0	60	0	0	0	0	0	165
N-BUTYL ALCOHOL	N	0	195	195	0	0	195	0	0	0	0	0	388
N-METHYL-2-PYRROLIDONE	N	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALIC ANHYDRIDE	N	0	55	55	0	0	55	0	0	0	0	0	3,301
STYRENE	N	0	992	992	0	0	992	0	0	0	0	0	500
TOLUENE	N	113	6,785	6,898	0	0	6,898	0	3,993,748	2,954	3,996,702	0	272,998
VANADIUM COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	10,201
XYLENE (MIXED ISOMERS)	N	96	8,104	8,200	0	0	8,200	0	1,878,694	782	1,879,476	0	260,245
ZINC COMPOUNDS	N	0	18	18	0	0	18	0	0	0	0	0	10,575

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for AXALTA COATING SYSTEMS USA LLC-F		590	29,712	30,302	0	0	30,302	0	5,872,442	4,476	5,876,918	0	623,281
<b>WARREN</b>								<b>200 BAKER PLAZA</b>				<b>NAICS Code</b>	<b>311812</b>
ARSENIC	N	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for INTERBAKE FOODS		0	0	0	0	0	0	0	0	0	0	0	0
<b>WARREN</b>								<b>211 E 4TH ST</b>				<b>NAICS Code</b>	<b>326199</b>
STYRENE	N	1,621	4,864	6,485	0	0	6,485	0	0	0	0	0	0
Total for RPS COMPOSITES VIRGINIA, INC.		1,621	4,864	6,485	0	0	6,485	0	0	0	0	0	0
<b>WARREN</b>								<b>500 TORAY DR</b>				<b>NAICS Code</b>	<b>326150</b>
NITRATE COMPOUNDS (WATER DI	N	0	0	0	0	0	0	0	140,395	0	140,395	0	7,230
SODIUM NITRITE	N	0	0	0	0	0	0	0	249,361	0	249,361	0	11,372
Total for TORAY PLASTICS (AMERICA) INC		0	0	0	0	0	0	0	389,756	0	389,756	0	18,602
<b>Total for Above County : (29 reports)</b>		<b>2,211</b>	<b>34,576</b>	<b>36,787</b>	<b>0</b>	<b>0</b>	<b>36,787</b>	<b>0</b>	<b>6,262,198</b>	<b>4,476</b>	<b>6,266,674</b>	<b>0</b>	<b>641,883</b>
<b>WASHINGTON</b>								<b>34001 GLOVE DR</b>				<b>NAICS Code</b>	<b>326199</b>
METHYL METHACRYLATE	N	675	2,026	2,701	0	0	2,701	0	0	0	0	0	0
STYRENE	N	9,766	29,296	39,062	0	0	39,062	0	0	0	0	0	0
Total for APPALACHIAN PLASTICS INC.		10,441	31,322	41,763	0	0	41,763	0	0	0	0	0	0
<b>WASHINGTON</b>								<b>14781 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>332812</b>
ZINC COMPOUNDS	N	741	0	741	0	86	826	0	0	0	0	0	678,452

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for AZZ GALVANIZING-BRISTOL		741	0	741	0	86	826	0	0	0	0	0	678,452
<b>WASHINGTON</b>	<b>CARDINAL CG ABINGDON</b>							<b>18370 OAK PARK DR</b>				<b>NAICS Code</b>	<b>327215</b>
SILVER	N	0	0	0	0	0	0	0	0	0	0	0	24,870
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	11,295
Total for CARDINAL CG ABINGDON		0	0	0	0	0	0	0	0	0	0	0	36,165
<b>WASHINGTON</b>	<b>HAPCO</b>							<b>26252 HILLMAN HIGHWAY</b>				<b>NAICS Code</b>	<b>332312</b>
ALUMINUM (FUME OR DUST)	N	4,990	9,980	14,970	0	0	14,970	0	0	0	0	0	300,954
ZINC (FUME OR DUST)	N	1,232	2,465	3,697	0	0	3,697	0	0	0	0	0	106,934
ZINC COMPOUNDS	N	0	0	0	0	1	1	0	0	0	0	1	0
Total for HAPCO		6,222	12,445	18,667	0	1	18,668	0	0	0	0	1	407,888
<b>WASHINGTON</b>	<b>SHEARERS FOOD LLC</b>							<b>1445 PITTSTOWN ROAD</b>				<b>NAICS Code</b>	<b>311919</b>
NITRIC ACID	N	7	0	7	0	0	7	0	0	13,000	13,000	0	0
Total for SHEARERS FOOD LLC		7	0	7	0	0	7	0	0	13,000	13,000	0	0
<b>WASHINGTON</b>	<b>STRONGWELL CORP HIGHLANDS DIV</b>							<b>26770 NEWBANKS RD</b>				<b>NAICS Code</b>	<b>326199</b>
ANTIMONY COMPOUNDS	N	0	19	19	0	0	19	0	0	0	0	0	0
STYRENE	N	6,442	0	6,442	0	0	6,442	0	0	32	32	0	888
Total for STRONGWELL CORP HIGHLANDS DIV		6,442	19	6,461	0	0	6,461	0	0	32	32	0	888
<b>WASHINGTON</b>	<b>UTILITY TRAILER MANUFACTURING CO</b>							<b>13160 MONROE RD</b>				<b>NAICS Code</b>	<b>336212</b>
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	35,433
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE	N	0	13	13	0	0	13	0	0	0	0	0	25,214
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	9,388
Total for UTILITY TRAILER MANUFACTURING CO		0	18	18	0	0	18	0	0	0	0	0	70,035
<b>WASHINGTON W&amp;W-AFCO STEEL LLC</b>								<b>15083 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>332312</b>
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	16,825
Total for W&W-AFCO STEEL LLC		0	1	1	0	0	1	0	0	0	0	0	16,825
<b>WASHINGTON ZENITH FUEL SYSTEMS LLC</b>								<b>14570 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>336310</b>
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	249
Total for ZENITH FUEL SYSTEMS LLC		0	0	0	0	0	0	0	0	0	0	0	249
<b>Total for Above County : (17 reports)</b>		<b>23,853</b>	<b>43,805</b>	<b>67,658</b>	<b>0</b>	<b>87</b>	<b>67,744</b>	<b>0</b>	<b>0</b>	<b>13,032</b>	<b>13,032</b>	<b>1</b>	<b>1,210,502</b>
<b>WESTMORELAND CARRY-ON TRAILER CORP</b>								<b>159 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>336212</b>
CHROMIUM	N	4	0	4	0	0	4	0	0	0	0	0	1,487
MANGANESE	N	34	0	34	0	0	34	0	0	0	0	0	4,182
Total for CARRY-ON TRAILER CORP		38	0	38	0	0	38	0	0	0	0	0	5,669
<b>Total for Above County : (2 reports)</b>		<b>38</b>	<b>0</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,669</b>
<b>WINCHESTER (CITY) O'SULLIVAN FILMS INC</b>								<b>1944 VALLEY AVE</b>				<b>NAICS Code</b>	<b>326113</b>
ANTIMONY COMPOUNDS	N	10	54	64	0	0	64	0	0	0	0	0	4,615
BARIUM COMPOUNDS (EXCEPT FO	N	4	22	26	0	0	26	0	0	0	0	8	119
DI(2-ETHYLHEXYL) PHTHALATE	N	34	193	227	0	0	227	0	0	0	0	0	1,230

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
METHYL ISOBUTYL KETONE	N	1	2,182	2,183	0	0	2,183	0	0	112,653	112,653	0	29,883
TOLUENE	N	0	370	370	0	0	370	0	0	18,993	18,993	0	4,139
TRIETHYLAMINE	N	0	163	163	0	0	163	0	0	0	0	0	500
XYLENE (MIXED ISOMERS)	N	0	247	247	0	0	247	0	0	12,331	12,331	0	3,273
ZINC COMPOUNDS	N	4	23	27	0	0	27	0	0	0	0	15	824
Total for O'SULLIVAN FILMS INC		53	3,254	3,307	0	0	3,307	0	0	143,976	143,976	23	44,583
Total for Above County : (8 reports)		53	3,254	3,307	0	0	3,307	0	0	143,976	143,976	23	44,583

WISE		VIRGINIA CITY HYBRID ENERGY CENTER						3425 RUSSELL CREEK RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	72,900	72,900	0	27	72,927	0	0	0	0	0	0
BARIUM COMPOUNDS (EXCEPT FO	N	0	244	244	122,000	29	122,273	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	40	40	22,100	0	22,140	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	71	71	25,000	1	25,072	0	0	0	0	0	0
HYDROCHLORIC ACID (ACID AERO	N	0	28,200	28,200	0	0	28,200	0	0	1,000,000	1,000,000	0	0
HYDROGEN FLUORIDE	N	0	143	143	0	0	143	0	0	126,000	126,000	0	0
MANGANESE COMPOUNDS	N	0	2,320	2,320	0	22	2,342	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL COMPOUNDS	N	0	61	61	22,000	1	22,062	0	0	0	0	0	0
SULFURIC ACID (ACID AEROSOLS I	N	0	4,030	4,030	0	0	4,030	0	0	289,000	289,000	0	0

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\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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\*\*\* BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
VANADIUM COMPOUNDS	N	0	1	1	47,100	0	47,101	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	603	603	28,000	9	28,612	0	0	0	0	0	0
Total for VIRGINIA CITY HYBRID ENERGY CENTE		0	108,613	108,613	266,200	89	374,902	0	0	1,415,000	1,415,000	0	0
Total for Above County : (14 reports)		0	108,613	108,613	266,200	89	374,902	0	0	1,415,000	1,415,000	0	0
WYTHE		HUTCHINSON SEALING SYSTEMS INC						1150 S THIRD ST				NAICS Code	326291
ZINC COMPOUNDS	N	33	740	772	0	0	772	0	0	0	0	1	9,806
Total for HUTCHINSON SEALING SYSTEMS INC		33	740	772	0	0	772	0	0	0	0	1	9,806
WYTHE		WABTEC COMPONENTS						655 FAIRVIEW RD				NAICS Code	326291
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2,748
Total for WABTEC COMPONENTS		0	0	0	0	0	0	0	0	0	0	0	2,748
Total for Above County : (2 reports)		33	740	773	0	0	773	0	0	0	0	1	12,554
YORK		AFETA CAMP PEARY						1100 EXECUTIVE DRIVE				NAICS Code	928110
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for AFETA CAMP PEARY		0	0	0	0	0	0	0	0	0	0	0	0
YORK		EATON CORPORATION - WILLIAMSBURG MANUFACTURING						149 WARWICK COURT				NAICS Code	335999
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	18,410
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	8,304
Total for EATON CORPORATION - WILLIAMSBUR		0	0	0	0	0	0	0	0	0	0	0	26,714
YORK		YORKTOWN POWER STATION						1600 WATERVIEW RD				NAICS Code	221112

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\*\*\* BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

# 2022 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for YORKTOWN POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 reports)		0	0	0	0	0	0	0	0	0	0	0	26,714

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\*\*\* BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

## **Appendix G - 2022 Summary of Facilities, Chemical Releases, Transfers and Management (PBT)**

**Appendix G: 2022 Summary of Facilities, Chemical Releases, Transfers, and Management (PBT)**  
**Alphabetical Listing by Facility**  
**Within Each County/Independent City**

**2022 Toxics Release Inventory**

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Total On-Site Releases						Total On-Site Management				Total Other Off-Site Transfers **	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)		Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)		POTW (pounds)	
<b>ACCOMACK</b>	<b>COMMONWEALTH CHESAPEAKE POWER STATION</b>							<b>3415 WHITE OAK WAY</b>				<b>NAICS Code</b>	<b>221112</b>
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for COMMONWEALTH CHESAPEAKE PO		0	1	1	0	0	1	0	0	0	0	0	0
<b>ACCOMACK</b>	<b>U.S. NASA GSFC WALLOPS FLIGHT FACILITY</b>							<b>34200 FULTON STREET</b>				<b>NAICS Code</b>	<b>927110</b>
LEAD COMPOUNDS	N	0	44	44	0	2	46	0	0	0	0	0	0
Total for U.S. NASA GSFC WALLOPS FLIGHT F		0	44	44	0	2	46	0	0	0	0	0	0
Total for Above County : (2 records)		0	45	45	0	2	47	0	0	0	0	0	0
<b>ALBEMARLE</b>	<b>INTELLIGENT PLATFORMS, LLC</b>							<b>2500 AUSTIN DRIVE</b>				<b>NAICS Code</b>	<b>334418</b>
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	530
Total for INTELLIGENT PLATFORMS, LLC		0	1	1	0	0	1	0	0	0	0	0	530
<b>ALBEMARLE</b>	<b>NORTHROP GRUMMAN SYSTEMS CORPORATION</b>							<b>1070 SEMINOLE TRAIL</b>				<b>NAICS Code</b>	<b>334511</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	1	0
Total for NORTHROP GRUMMAN SYSTEMS CO		0	0	0	0	0	0	0	0	0	0	1	0
Total for Above County : (2 records)		0	1	1	0	0	1	0	0	0	0	1	530
<b>ALEXANDRIA (CITY)</b>	<b>VIRGINIA PAVING ALEXANDRIA PLANT</b>							<b>5601 COURTNEY AVENUE</b>				<b>NAICS Code</b>	<b>324121</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for VIRGINIA PAVING ALEXANDRIA PLANT		1	0	1	0	0	1	0	0	0	0	0	0
Total for Above County : (2 records)		1	0	1	0	0	1	0	0	0	0	0	0
<b>AMELIA</b>	<b>AMELIA RMC PLANT</b>							<b>9921 OLD RIVER DR</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)



# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site				On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
								(pounds)					(pounds)
Total for AMELIA RMC PLANT		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>AMHERST</b>	<b>COOPER STEEL</b>							<b>275 FRANCIS AVE</b>				<b>NAICS Code</b>	<b>332312</b>
LEAD	N	0	0	0	0	1	1	0	0	0	0	0	0
Total for COOPER STEEL		0	0	0	0	1	1	0	0	0	0	0	0
<b>AMHERST</b>	<b>GREIF PACKAGING LLC</b>							<b>861 FIBRE PLANT RD</b>				<b>NAICS Code</b>	<b>322110</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	3	3	0	0	3	0	0	0	0	0	0
Total for GREIF PACKAGING LLC		0	4	4	0	0	4	0	0	0	0	0	0
Total for Above County : (3 records)		0	4	4	0	1	4	0	0	0	0	0	0
<b>ARLINGTON</b>	<b>PENTAGON RESERVATION</b>							<b>2 N ROTARY RD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD COMPOUNDS	N	0	162	162	0	0	162	0	0	0	0	0	2
Total for PENTAGON RESERVATION		0	162	162	0	0	162	0	0	0	0	0	2
<b>ARLINGTON</b>	<b>US ARMY JOINT BASE MYER-HENDERSON HALL GARRISON OPS (PA</b>							<b>204 LEE AVE</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US ARMY JOINT BASE MYER-HENDER		0	0	0	0	0	0	0	0	0	0	0	0
<b>ARLINGTON</b>	<b>VIRGINIA CONCRETE SHIRLINGTON PLANT</b>							<b>2651 SHIRLINGTON RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SHIRLINGTON P		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	162	162	0	0	162	0	0	0	0	0	2
<b>AUGUSTA</b>	<b>BALL ADVANCED ALUMINUM TECHNOLOGIES CORP</b>							<b>56 DUNSMORE RD</b>				<b>NAICS Code</b>	<b>331524</b>
LEAD	N	0	4	4	0	0	4	0	0	0	0	0	73
Total for BALL ADVANCED ALUMINUM TECHNO		0	4	4	0	0	4	0	0	0	0	0	73
<b>AUGUSTA</b>	<b>NIBCO OF VIRGINIA INC.</b>							<b>131 JOHNSON DRIVE</b>				<b>NAICS Code</b>	<b>332112</b>

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\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	191
Total for NIBCO OF VIRGINIA INC.		0	0	0	0	0	0	0	0	0	0	0	191
<b>AUGUSTA</b>	<b>TAYLOR &amp; BOODY INC.</b>							<b>8 HEWITT RD</b>				<b>NAICS Code</b>	<b>339992</b>
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for TAYLOR & BOODY INC.		0	1	1	0	0	1	0	0	0	0	0	0
<b>Total for Above County : (3 records)</b>		<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>263</b>
<b>BEDFORD</b>	<b>GP BIG ISLAND, LLC</b>							<b>9363 LEE-JACKSON HWY</b>				<b>NAICS Code</b>	<b>322120</b>
LEAD COMPOUNDS	N	0	483	483	0	145	1,629	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	3	7	0	0	0	0	0	1
Total for GP BIG ISLAND, LLC		0	485	485	0	148	1,636	0	0	0	0	0	1
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>485</b>	<b>485</b>	<b>0</b>	<b>148</b>	<b>1,636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>BOTETOURT</b>	<b>ROANOKE CEMENT CO LLC</b>							<b>6071 CATAWBA RD</b>				<b>NAICS Code</b>	<b>327310</b>
LEAD COMPOUNDS	N	4	45	49	0	0	395	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	43	43	0	0	43	0	0	0	0	0	0
Total for ROANOKE CEMENT CO LLC		4	88	91	0	0	437	0	0	0	0	0	0
<b>Total for Above County : (2 records)</b>		<b>4</b>	<b>88</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>437</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BRISTOL (CITY)</b>	<b>ASSOCIATED ASPHALT BRISTOL, LLC</b>							<b>140 SPURGEON LN</b>				<b>NAICS Code</b>	<b>424710</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	15	15	0	0	15	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT BRISTOL, LLC		0	15	15	0	0	15	0	0	0	0	0	0
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BUCHANAN</b>	<b>JEWELL COKE CO LP</b>							<b>1034 DISMAL RIVER RD</b>				<b>NAICS Code</b>	<b>324199</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	4,200	4,200	0	0	4,200	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	78	78	0	0	78	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for JEWELL COKE CO LP		0	4,278	4,278	0	0	4,278	0	0	0	0	0	0
Total for Above County : (3 records)		0	4,278	4,278	0	0	4,278	0	0	0	0	0	0
<b>BUCKINGHAM</b>								<b>2608 C.G. WOODSON ROAD</b>				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for BEAR GARDEN GENERATING STATIO		0	1	1	0	0	1	0	0	0	0	0	0
<b>BUCKINGHAM</b>								<b>5836 BUFFALO ROAD</b>				NAICS Code	212323
POLYCYCLIC AROMATIC COMPOU	N	28	0	28	0	0	28	0	0	0	0	0	0
Total for KYANITE MINING CORP MULLITE PLA		28	0	28	0	0	28	0	0	0	0	0	0
Total for Above County : (2 records)		28	1	29	0	0	29	0	0	0	0	0	0
<b>BUENA VISTA (CITY)</b>								<b>627 E 30TH ST</b>				NAICS Code	339950
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	156
Total for EVERBRITE LLC		0	0	0	0	0	0	0	0	0	0	0	156
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	156
<b>CAMPBELL</b>								<b>351 RANGOON ROAD</b>				NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	869
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	869
<b>CAMPBELL</b>								<b>1570 MOUNT ATHOS RD</b>				NAICS Code	332410
LEAD COMPOUNDS	N	0	0	0	3,682	2	3,685	0	0	0	0	0	4
Total for BWXT NUCLEAR OPERATIONS GROU		0	0	0	3,682	2	3,685	0	0	0	0	0	4
<b>CAMPBELL</b>								<b>11795 BROOKNEAL HIGHWAY</b>				NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	4	4	0	0	4	0	0	0	0	0	100
Total for GEORGIA-PACIFIC WOOD PRODUCTS		0	4	4	0	0	4	0	0	0	0	0	100
<b>CAMPBELL</b>								<b>205 FRAZIER RD</b>				NAICS Code	336390

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	8,601
Total for SCHRADER-BRIDGEPORT INTERNATI		0	0	0	0	0	0	0	0	0	0	2	8,601
Total for Above County : (5 records)		0	4	4	3,682	2	3,690	0	0	0	0	2	9,574
<b>CAROLINE</b>	<b>HOOVER TREATED WOOD PRODUCTS, INC</b>							<b>18315 HOUSE DR</b>				<b>NAICS Code</b>	<b>321999</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for HOOVER TREATED WOOD PRODUCT		0	0	0	0	0	0	0	0	0	0	0	0
<b>CAROLINE</b>	<b>LADYSMITH COMBUSTION TURBINE STATION</b>							<b>8063 CEDON RD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for LADYSMITH COMBUSTION TURBINE S		0	0	0	0	0	0	0	0	0	0	0	0
<b>CAROLINE</b>	<b>OLDCASTLE APG MID-ATLANTIC MILFORD, VA</b>							<b>16326 IND US TRIAL DR</b>				<b>NAICS Code</b>	<b>327999</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE APG MID-ATLANTIC MILF		0	0	0	0	0	0	0	0	0	0	0	0
<b>CAROLINE</b>	<b>US ARMY FORT AP HILL GARRISON (PART)</b>							<b>19952 N RANGE RD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD COMPOUNDS	N	87	0	87	0	782	16,481	0	0	0	0	0	2,534
Total for US ARMY FORT AP HILL GARRISON (P		87	0	87	0	782	16,481	0	0	0	0	0	2,534
Total for Above County : (4 records)		87	0	87	0	782	16,481	0	0	0	0	0	2,534
<b>CARROLL</b>	<b>VAUGHAN-BASSETT FURNITURE CO. GALAX</b>							<b>300 E GRAYSON ST</b>				<b>NAICS Code</b>	<b>337122</b>
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for VAUGHAN-BASSETT FURNITURE CO.		0	2	2	0	0	2	0	0	0	0	0	0
Total for Above County : (1 record)		0	2	2	0	0	2	0	0	0	0	0	0
<b>CHARLOTTE</b>	<b>MORGAN LUMBER COMPANY, INC.</b>							<b>628 JEB STUART HIGHWAY</b>				<b>NAICS Code</b>	<b>321113</b>
LEAD COMPOUNDS	N	0	25	25	335	0	360	0	0	0	0	0	0
Total for MORGAN LUMBER COMPANY, INC.		0	25	25	335	0	360	0	0	0	0	0	0
Total for Above County : (1 record)		0	25	25	335	0	360	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>CHESAPEAKE (CITY)</b>	<b>CONCRETE PIPE &amp; PRECAST LLC CHESAPEAKE PLANT</b>							<b>3801 COOK BLVD</b>				<b>NAICS Code</b>	<b>327332</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC CH		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>ELIZABETH RIVER COMBUSTION TURBINE STATION</b>							<b>2837 S MILITARY HWY</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ELIZABETH RIVER COMBUSTION TUR		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>OLDCASTLE APG MID-ATLANTIC</b>							<b>3900 SHANNON ST</b>				<b>NAICS Code</b>	<b>327331</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE APG MID-ATLANTIC		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>QUIKRETE - CHESAPEAKE, VA PLANT</b>							<b>3712 COOK BLVD</b>				<b>NAICS Code</b>	<b>327999</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUIKRETE - CHESAPEAKE, VA PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>SAFETY-KLEEN SYSTEMS CHESAPEAKE (CPK)</b>							<b>4545 BAINBRIDGE BLVD</b>				<b>NAICS Code</b>	<b>562112</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	7
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	414
Total for SAFETY-KLEEN SYSTEMS CHESAPEA		0	0	0	0	0	0	0	0	0	0	0	421
<b>CHESAPEAKE (CITY)</b>	<b>U.S/ NAVY NAVAL SUPPORT ACTIVITY NORTHWEST ANNEX BASE</b>							<b>1320 NW BLVD SUITE 100</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	16,275	0	0	0	0	0	45
Total for U.S/ NAVY NAVAL SUPPORT ACTIVITY		0	0	0	0	0	16,275	0	0	0	0	0	45
<b>Total for Above County : (7 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,275</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>466</b>
<b>CHESTERFIELD</b>	<b>CHESTERFIELD POWER STATION</b>							<b>500 COXENDALE RD</b>				<b>NAICS Code</b>	<b>221112</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	68	68	0	28	8,344	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	13	13	0	1	118	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
POLYCYCLIC AROMATIC COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for CHESTERFIELD POWER STATION		0	83	83	0	28	8,464	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>5401 ROUTE 1</b>				<b>NAICS Code</b>	<b>325220</b>
POLYCYCLIC AROMATIC COMPOUNDS	N	22	0	22	0	0	222	0	0	0	0	0	61
Total for DUPONT SPECIALTY PRODUCTS USA, LLC - SPRUANCE PLANT		22	0	22	0	0	222	0	0	0	0	0	61
<b>CHESTERFIELD</b>								<b>1901 REYMET RD</b>				<b>NAICS Code</b>	<b>331318</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	578
Total for KAISER ALUMINUM FABRICATED PRODUCTS LLC		0	0	0	0	0	0	0	0	0	0	0	578
<b>CHESTERFIELD</b>								<b>3501 WARBRO RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-CHESTERFIELD PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>1701 REYMET RD</b>				<b>NAICS Code</b>	<b>331315</b>
DIOXIN AND DIOXIN-LIKE COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	11
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	15
Total for NOVELIS ALR ROLLED PRODUCTS INC		0	1	1	0	0	1	0	0	0	0	0	25
<b>CHESTERFIELD</b>								<b>1231 WILLIS RD</b>				<b>NAICS Code</b>	<b>327999</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE APG MID-ATLANTIC RICHMOND, VA		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>1200 W 100 RD</b>				<b>NAICS Code</b>	<b>562112</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	49
POLYCYCLIC AROMATIC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1,427
Total for SAFETY-KLEEN SYSTEMS CHESTER (CVA)		0	0	0	0	0	0	0	0	0	0	0	1,476
<b>Total for Above County : (13 records)</b>		<b>22</b>	<b>84</b>	<b>106</b>	<b>0</b>	<b>29</b>	<b>8,687</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,140</b>

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>COVINGTON (CITY)</b>		<b>INGEVITY VIRGINIA CORPORATION</b>						<b>958 E RIVERSIDE ST</b>				<b>NAICS Code</b>	<b>325998</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for INGEVITY VIRGINIA CORPORATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>COVINGTON (CITY)</b>		<b>WESTROCK VIRGINIA CORPORATION (ENTIRE)</b>						<b>104 E. RIVERSIDE STREET</b>				<b>NAICS Code</b>	<b>322130</b>
BENZO[G,H,I]PERYLENE	N	0	3	3	0	0	10	0	0	0	0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	2	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	114	114	0	93	5,567	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	23	23	0	1	41	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	323	323	0	0	394	0	0	0	0	0	0
Total for WESTROCK VIRGINIA CORPORATION		0	464	464	0	93	6,013	0	0	0	0	0	0
Total for Above County : (6 records)		0	464	464	0	93	6,013	0	0	0	0	0	0
<b>CULPEPER</b>		<b>BINGHAM &amp; TAYLOR</b>						<b>601 NALLE PL</b>				<b>NAICS Code</b>	<b>331511</b>
LEAD	N	0	41	41	0	0	41	0	0	0	0	0	2,666
Total for BINGHAM & TAYLOR		0	41	41	0	0	41	0	0	0	0	0	2,666
<b>CULPEPER</b>		<b>HEXATRONIC ROCHESTER CABLE INC.</b>						<b>751 OLD BRANDY RD</b>				<b>NAICS Code</b>	<b>331491</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	103
Total for HEXATRONIC ROCHESTER CABLE IN		0	0	0	0	0	0	0	0	0	0	0	103
<b>CULPEPER</b>		<b>VIRGINIA CONCRETE - CULPEPER</b>						<b>11454 QUARRY DRIVE</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE - CULPEPER		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	41	41	0	0	41	0	0	0	0	0	2,770
<b>DANVILLE (CITY)</b>		<b>THE GOODYEAR TIRE &amp; RUBBER CO.</b>						<b>1901 GOODYEAR BLVD</b>				<b>NAICS Code</b>	<b>326211</b>
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	23	210
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0	0	0	0	0	678
Total for THE GOODYEAR TIRE & RUBBER CO.		0	6	6	0	0	6	0	0	0	0	23	888

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site				On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
Total for Above County : (2 records)		0	6	6	0	0	6	0	0	0	0	23	888
<b>DINWIDDIE</b> CHAPARRAL (VA) INC								<b>25801 HOFHEIMER WAY</b>				<b>NAICS Code</b>	<b>331110</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	2
LEAD COMPOUNDS	N	56	1	57	0	0	57	0	0	0	0	0	161,481
MERCURY COMPOUNDS	N	0	158	158	0	0	158	0	0	0	0	0	91
Total for CHAPARRAL (VA) INC		56	160	216	0	0	216	0	0	0	0	0	161,574
Total for Above County : (3 records)		56	160	216	0	0	216	0	0	0	0	0	161,574
<b>FAIRFAX</b> BREN MAR								<b>6315 BREN MAR DR</b>				<b>NAICS Code</b>	<b>922120</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	3,555
Total for BREN MAR		0	0	0	0	0	0	0	0	0	0	0	3,555
<b>FAIRFAX</b> LORTON RMC PLANT								<b>9420 GUNSTON COVE RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for LORTON RMC PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b> SUPERIOR CONCRETE MATERIALS INC. - LORTON								<b>8420 TERMINAL RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS IN		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b> TITAN VIRGINIA READY-MIX LLC-CENTREVILLE PLANT								<b>15718 LEE HIGHWAY</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CENT		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b> TITAN VIRGINIA READY-MIX LLC-SPRINGFIELD PLANT								<b>6600 ELECTRONIC DR</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-SPRI		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b> US ARMY GARRISON FORT BELVOIR								<b>9430 JACKSON LOOP</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix G

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Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site				On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
Total for US ARMY GARRISON FORT BELVOIR		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>5412 INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE EDSALL ROAD P		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : ( 7 records)		0	0	0	0	0	0	0	0	0	0	0	3,555
<b>FAIRFAX (CITY)</b>								<b>3800 PICKETT RD</b>				<b>NAICS Code</b>	<b>424710</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MOTIVA FAIRFAX TERMINAL		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : ( 3 records)		0	0	0	0	0	0	0	0	0	0	0	0
<b>FALLS CHURCH (CITY)</b>								<b>7103 GORDON RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE FALLS CHURCH		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : ( 1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAUQUIER</b>								<b>4295 CATLETT RD</b>				<b>NAICS Code</b>	<b>325998</b>
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	24
Total for CHEMETRICS LLC		0	0	0	0	0	0	0	0	0	0	0	24
<b>FAUQUIER</b>								<b>12109 LUCKY HILL RD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	21	21	0	0	21	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP MA		0	21	21	0	0	21	0	0	0	0	0	0
<b>FAUQUIER</b>								<b>12025 LUCKY HILL ROAD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for REMINGTON POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>FAUQUIER</b>	<b>US DOD WARRENTON TRAINING CENTER STATION B</b>							<b>7471 BEAR WALLOW RD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,536
Total for US DOD WARRENTON TRAINING CEN		0	0	0	0	0	0	0	0	0	0	0	1,536
<b>FAUQUIER</b>	<b>US DOD, WARRENTON TRAINING CENTER STATION C RANGE</b>							<b>7248 SUMERDUCK RD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,152
Total for US DOD, WARRENTON TRAINING CEN		0	0	0	0	0	0	0	0	0	0	0	1,152
<b>Total for Above County : (5 records)</b>		<b>0</b>	<b>21</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,712</b>
<b>FREDERICK</b>	<b>APG MID-ATLANTIC - WINCHESTER</b>							<b>396 TYSON DRIVE</b>				<b>NAICS Code</b>	<b>327999</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for APG MID-ATLANTIC - WINCHESTER		0	0	0	0	0	0	0	0	0	0	0	0
<b>FREDERICK</b>	<b>O-N MINERALS (CHEMSTONE) WINCHESTER LIME PLANT</b>							<b>508 QUARRY LN</b>				<b>NAICS Code</b>	<b>327410</b>
LEAD COMPOUNDS	N	0	0	0	0	0	145	0	0	0	0	0	0
Total for O-N MINERALS (CHEMSTONE) WINCH		0	0	0	0	0	145	0	0	0	0	0	0
<b>FREDERICK</b>	<b>TITAN VIRGINIA READY-MIX LLC-CLEAR BROOK PLANT</b>							<b>1383 BRUCETOWN RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CLEA		0	0	0	0	0	0	0	0	0	0	0	0
<b>FREDERICK</b>	<b>VIRGINIA CONCRETE - STEPHENS CITY</b>							<b>339 ESTEP ROAD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE - STEPHENS CIT		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (4 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GALAX (CITY)</b>	<b>GUARDIAN FABRICATION, LLC - PLANT 2</b>							<b>110 JACK GUYNN DR</b>				<b>NAICS Code</b>	<b>327215</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	411
Total for GUARDIAN FABRICATION, LLC - PLAN		0	0	0	0	0	0	0	0	0	0	2	411
<b>GALAX (CITY)</b>	<b>MOOG INC.</b>							<b>115 JACK GUYNN DR</b>				<b>NAICS Code</b>	<b>334412</b>

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	19
Total for MOOG INC.		0	0	0	0	0	0	0	0	0	0	0	19
<b>GALAX (CITY)</b>		<b>WEBB ENTERPRISES LLC AMERICAN MIRROR</b>						<b>602 E STUART DR</b>				<b>NAICS Code</b>	<b>327215</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for WEBB ENTERPRISES LLC AMERICAN		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (3 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>430</b>
<b>GILES</b>		<b>CELANESE ACETATE LLC - CELCO PLANT</b>						<b>3520 VIRGINIA AVE</b>				<b>NAICS Code</b>	<b>325220</b>
MERCURY	N	0	2	2	0	0	2	0	0	0	0	0	55
POLYCHLORINATED BIPHENYLS	N	0	0	0	0	0	0	0	0	0	0	0	27
Total for CELANESE ACETATE LLC - CELCO PL		0	2	2	0	0	2	0	0	0	0	0	82
<b>GILES</b>		<b>LHOIST NA OF VIRGINIA INC KIMBALLTON AREA 1</b>						<b>2093 BIG STONY CREEK RD</b>				<b>NAICS Code</b>	<b>327410</b>
LEAD COMPOUNDS	N	1	1	2	0	0	7,775	0	0	0	0	0	0
Total for LHOIST NA OF VIRGINIA INC KIMBALL		1	1	2	0	0	7,775	0	0	0	0	0	0
<b>Total for Above County : (3 records)</b>		<b>1</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>7,777</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>82</b>
<b>GLOUCESTER</b>		<b>TCS MATERIALS GLOUCESTER READY-MIX</b>						<b>5248 GEORGE WASHINGTON MEMORIAL</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS GLOUCESTER READ		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GREENSVILLE</b>		<b>GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD</b>						<b>634 DAVIS ST</b>				<b>NAICS Code</b>	<b>321212</b>
LEAD COMPOUNDS	N	0	239	239	0	0	239	0	0	0	0	0	105
Total for GEORGIA PACIFIC WOOD PRODUCT		0	239	239	0	0	239	0	0	0	0	0	105
<b>GREENSVILLE</b>		<b>STEELFAB INC, OF VIRGINIA</b>						<b>1510 REESE ST</b>				<b>NAICS Code</b>	<b>332312</b>
LEAD	N	14	0	15	0	0	15	0	0	0	0	0	3,257
Total for STEELFAB INC, OF VIRGINIA		14	0	15	0	0	15	0	0	0	0	0	3,257
<b>Total for Above County : (2 records)</b>		<b>14</b>	<b>239</b>	<b>254</b>	<b>0</b>	<b>0</b>	<b>254</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,362</b>

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<b>HALIFAX</b>	<b>CLOVER POWER STATION</b>							<b>4091 CLOVER RD</b>				<b>NAICS Code</b>	<b>221112</b>
LEAD COMPOUNDS	N	0	3	3	0	11	4,294	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	1	53	0	0	0	0	0	0
Total for CLOVER POWER STATION		<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>12</b>	<b>4,347</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HALIFAX</b>	<b>HITACHI ENERGY USA INC.</b>							<b>2135 PHILPOTT RD</b>				<b>NAICS Code</b>	<b>335311</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	563
Total for HITACHI ENERGY USA INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>563</b>
<b>HALIFAX</b>	<b>HUBER ENGINEERED WOODS LLC</b>							<b>1000 CHANEY LN</b>				<b>NAICS Code</b>	<b>321219</b>
LEAD COMPOUNDS	N	0	12	12	0	0	12	0	0	0	0	0	33
Total for HUBER ENGINEERED WOODS LLC		<b>0</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>
Total for Above County : (4 records)		<b>0</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>12</b>	<b>4,359</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>596</b>
<b>HAMPTON (CITY)</b>	<b>BRANSCOME-HAMPTON</b>							<b>1922 W PEMBROKE AVE</b>				<b>NAICS Code</b>	<b>324121</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BRANSCOME-HAMPTON		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HAMPTON (CITY)</b>	<b>TCS MATERIALS HAMPTON 58TH ST. READY-MIX</b>							<b>2510 58TH ST</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS HAMPTON 58TH ST.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HAMPTON (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC-RIP RAP ROAD PLANT</b>							<b>319 RIP RAP RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-RIP R		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (5 records)		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HANOVER</b>	<b>ASHLAND RMC PLANT</b>							<b>11340 VIRGINIA CRANE DR</b>				<b>NAICS Code</b>	<b>327320</b>

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LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ASHLAND RMC PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>	<b>CONCRETE PIPE &amp; PRECAST LLC-ASHLAND PRECAST PLANT</b>							<b>11352 VIRGINIA PRECAST RD</b>				<b>NAICS Code</b>	<b>327332</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-AS		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>	<b>CONCRETE PIPE &amp; PRECAST LLC-HANOVER PIPE PLANT</b>							<b>10364 DESIGN RD</b>				<b>NAICS Code</b>	<b>327332</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HA		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>	<b>DOSWELL LP</b>							<b>10098 OLD RIDGE RD</b>				<b>NAICS Code</b>	<b>221112</b>
BENZO[G,H,I]PERYLENE	N	1	12	13	0	0	13	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	248	249	0	0	249	0	0	0	0	0	0
Total for DOSWELL LP		2	260	262	0	0	262	0	0	0	0	0	0
<b>HANOVER</b>	<b>OLDCASTLE LAWN &amp; GARDEN</b>							<b>17554 WASHINGTON HWY</b>				<b>NAICS Code</b>	<b>321999</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
TRIFLURALIN	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE LAWN & GARDEN		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>	<b>OLDCASTLE LAWN AND GARDEN</b>							<b>17554 WASHINGTON HWY</b>				<b>NAICS Code</b>	<b>321999</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
TRIFLURALIN	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE LAWN AND GARDEN		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>	<b>PAVESTONE - RICHMOND, VA PLANT [NEWLINE]</b>							<b>16401 INTERNATIONAL ST</b>				<b>NAICS Code</b>	<b>327331</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PAVESTONE - RICHMOND, VA PLANT [		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>	<b>SOUTH ATLANTIC GALVANIZING LLC</b>							<b>11022 LEWISTOWN RD</b>				<b>NAICS Code</b>	<b>332812</b>

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LEAD	N	18	0	18	0	1	19	0	0	0	0	0	2,918
Total for SOUTH ATLANTIC GALVANIZING LLC		18	0	18	0	1	19	0	0	0	0	0	2,918
Total for Above County : (11 records)		20	260	281	0	1	281	0	0	0	0	0	2,918
<b>HENRICO</b>	<b>DARBYTOWN POWER STATION</b>							<b>6001 FERGUS BLVD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for DARBYTOWN POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRICO</b>	<b>IR ENGRAVING LLC</b>							<b>5901 LEWIS RD</b>				<b>NAICS Code</b>	<b>323111</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for IR ENGRAVING LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRICO</b>	<b>MECHANICSVILLE CONCRETE LLC</b>							<b>4608 RACRETE RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRICO</b>	<b>MECHANICSVILLE CONCRETE LLC-AIRPORT PLANT (OAKLEYS LA</b>							<b>4481 OAKLEYS LN</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-AI		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRICO</b>	<b>SMYRNA READY MIX CONCRETE PLANT 780 RICHMOND</b>							<b>4607 RACRETE RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SMYRNA READY MIX CONCRETE PLA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		0	1	1	0	0	1	0	0	0	0	0	0
<b>HENRY</b>	<b>CROWN BEVERAGE PACKAGING</b>							<b>202 SUTAINABLE WAY</b>				<b>NAICS Code</b>	<b>332431</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CROWN BEVERAGE PACKAGING		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRY</b>	<b>PINE PRODUCTS INC</b>							<b>315 CARVER RD</b>				<b>NAICS Code</b>	<b>321113</b>
LEAD	N	0	791	791	0	0	791	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total On-Site Releases	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air				Recovery			On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
Total for PINE PRODUCTS INC		0	791	791	0	0	791	0	0	0	0	0	0
<b>HENRY</b>								<b>930 MEADOWOOD TRL</b>				<b>NAICS Code</b>	<b>327999</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUIKRETE - MARTINSVILLE, VA PLAN		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRY</b>								<b>300 S MOSS ST</b>				<b>NAICS Code</b>	<b>327215</b>
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	23	106
Total for VIRGINIA MIRROR CO INC		0	1	1	0	0	1	0	0	0	0	23	106
Total for Above County : (4 records)		0	792	792	0	0	792	0	0	0	0	23	106
<b>HOPEWELL (CITY)</b>								<b>905 E RANDOLPH RD</b>				<b>NAICS Code</b>	<b>325199</b>
POLYCYCLIC AROMATIC COMPOU	N	14	0	14	0	0	14	0	0	0	0	0	0
Total for ADVANSIX INC HOPEWELL PLANT		14	0	14	0	0	14	0	0	0	0	0	0
<b>HOPEWELL (CITY)</b>								<b>410 WATER ST</b>				<b>NAICS Code</b>	<b>424710</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	0	0	0	0	60
Total for ASSOCIATED ASPHALT HOPEWELL LL		0	3	3	0	0	3	0	0	0	0	0	60
<b>HOPEWELL (CITY)</b>								<b>910 INDUSTRIAL ST</b>				<b>NAICS Code</b>	<b>322130</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	14	14	0	0	14	0	0	0	0	282	656
Total for WESTROCK CP LLC		0	14	14	0	0	14	0	0	0	0	282	656
Total for Above County : (5 records)		14	18	32	0	0	32	0	0	0	0	282	716
<b>ISLE OF WIGHT</b>								<b>34040 UNION CAMP DR</b>				<b>NAICS Code</b>	<b>322110</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	1	2	0	0	0	0	0	3
LEAD COMPOUNDS	N	0	29	29	0	67	96	0	0	0	0	0	442
Total for INTERNATIONAL PAPER FRANKLIN MI		0	29	29	0	69	98	0	0	0	0	0	445

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>ISLE OF WIGHT</b>	<b>ST TISSUE LLC</b>							<b>34050 UNION CAMP DR</b>				<b>NAICS Code</b>	<b>322120</b>
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	541
Total for ST TISSUE LLC		0	1	1	0	0	1	0	0	0	0	0	541
<b>Total for Above County : (3 records)</b>		<b>0</b>	<b>30</b>	<b>30</b>	<b>0</b>	<b>69</b>	<b>99</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>986</b>
<b>JAMES CITY</b>	<b>ANHEUSER-BUSCH LLC</b>							<b>7801 POCAHONTAS TRAIL</b>				<b>NAICS Code</b>	<b>312120</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ANHEUSER-BUSCH LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>JAMES CITY</b>	<b>BALL METAL BEVERAGE CONTAINER CORP</b>							<b>8935 POCAHONTAS TRAIL JAMES RIVER</b>				<b>NAICS Code</b>	<b>332431</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	3
Total for BALL METAL BEVERAGE CONTAINER		0	0	0	0	0	0	0	0	0	0	0	3
<b>JAMES CITY</b>	<b>BRANSCOME-LEE HALL</b>							<b>9393 MERRIMAC TRAIL</b>				<b>NAICS Code</b>	<b>324121</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BRANSCOME-LEE HALL		0	0	0	0	0	0	0	0	0	0	0	0
<b>JAMES CITY</b>	<b>GREYSTONE OF VIRGINIA INC</b>							<b>7992 RICHMOND RD</b>				<b>NAICS Code</b>	<b>332813</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	81
Total for GREYSTONE OF VIRGINIA INC		0	0	0	0	0	0	0	0	0	0	0	81
<b>JAMES CITY</b>	<b>OWENS-BROCKWAY GLASS CONTAINER INC PLANT 26</b>							<b>150 INDUSTRIAL BLVD</b>				<b>NAICS Code</b>	<b>327213</b>
LEAD COMPOUNDS	N	0	139	139	0	0	139	0	0	0	0	0	0
Total for OWENS-BROCKWAY GLASS CONTAIN		0	139	139	0	0	139	0	0	0	0	0	0
<b>Total for Above County : (7 records)</b>		<b>0</b>	<b>139</b>	<b>139</b>	<b>0</b>	<b>0</b>	<b>139</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85</b>
<b>KING WILLIAM</b>	<b>WESTROCK CP, LLC</b>							<b>1901 MAIN ST</b>				<b>NAICS Code</b>	<b>322110</b>
BENZO[G,H,I]PERYLENE	N	0	2	2	0	0	2	0	0	0	0	0	3

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	38	38	0	42	80	0	0	0	0	0	1,260
MERCURY COMPOUNDS	N	0	11	11	0	1	12	0	0	0	0	0	9
POLYCYCLIC AROMATIC COMPOU	N	0	197	197	0	0	197	0	0	0	0	0	36
Total for WESTROCK CP, LLC		0	248	248	0	43	291	0	0	0	0	0	1,310
Total for Above County : (5 records)		0	248	248	0	43	291	0	0	0	0	0	1,310
LEE	US PENITENTIARY LEE							LEE COUNTY IND US TRIAL PARK HICKORY				NAICS Code	922140
LEAD COMPOUNDS	N	0	0	0	0	0	1,790	0	0	0	0	0	0
Total for US PENITENTIARY LEE		0	0	0	0	0	1,790	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	1,790	0	0	0	0	0	0
LOUDOUN	CHANTILLY READY MIX CONCRETE							25232 WILLARD ROAD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	6
MERCURY COMPOUNDS	N	1	1	1	0	0	1	0	0	0	0	0	0
Total for CHANTILLY READY MIX CONCRETE		1	1	1	0	0	1	0	0	0	0	0	6
LOUDOUN	DOWTY, A GE AEROSPACE COMPANY							114 POWERS CT				NAICS Code	336413
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for DOWTY, A GE AEROSPACE COMPANY		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN	SUPERIOR CONCRETE MATERIALS INC. - DULLES							44146 WADE DR				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUPERIOR CONCRETE MATERIALS IN		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN	TITAN VIRGINIA READY-MIX LLC-LEESBURG PLANT							42105 COCHRAN MILL RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-LEES		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN	TITAN VIRGINIA READY-MIX LLC-STERLING PLANT							22963 CONCRETE PLAZA				NAICS Code	327320

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STER		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>								<b>1200 SEVERN WAY</b>				<b>NAICS Code</b>	<b>334412</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	81	2,561
Total for TTM TECHNOLOGIES N.A. LLC.		0	0	0	0	0	0	0	0	0	0	81	2,561
<b>LOUDOUN</b>								<b>19844 BLUE RIDGE MOUNTAIN RD</b>				<b>NAICS Code</b>	<b>922190</b>
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for US DHS MT WEATHER EOC		1	0	1	0	0	1	0	0	0	0	0	0
<b>LOUDOUN</b>								<b>25086 TANNER LN</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE CO INC-CHANTI		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>								<b>42574 COCHRAN MILL RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE COCHRAN MILL		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>								<b>44866 OLD OX RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DULLES PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>								<b>23232 SHAW RD</b>				<b>NAICS Code</b>	<b>324121</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for VIRGINIA PAVING COMPANY		1	0	1	0	0	1	0	0	0	0	0	0
<b>Total for Above County : (14 records)</b>		<b>2</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>	<b>2,567</b>
<b>LOUISA</b>								<b>819 HILL RD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix G

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Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site				On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
Total for GORDONSVILLE POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUISA</b>		<b>OLD DOMINION ELECTRIC CO-OP LOUISA GENERATION FACILITY</b>						<b>3352 KLOCKNER RD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	16	16	0	0	16	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP LOU		0	16	16	0	0	16	0	0	0	0	0	0
Total for Above County : (2 records)		0	16	16	0	0	16	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>		<b>BANKER STEEL COMPANY, LLC</b>						<b>1619 WYTHE RD</b>				<b>NAICS Code</b>	<b>332312</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	528
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	528
<b>LYNCHBURG (CITY)</b>		<b>BELVAC PRODUCTION MACHINERY</b>						<b>237 GRAVES MILL RD</b>				<b>NAICS Code</b>	<b>333514</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BELVAC PRODUCTION MACHINERY		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>		<b>BOXLEY LYNCHBURG ASPHALT PLANT</b>						<b>3535 JOHN CAPRON RD</b>				<b>NAICS Code</b>	<b>324121</b>
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	4,777	0	4,777	0	0
Total for BOXLEY LYNCHBURG ASPHALT PLAN		0	3	3	0	0	3	0	4,777	0	4,777	0	0
<b>LYNCHBURG (CITY)</b>		<b>GRIFFIN PIPE PRODUCTS CO</b>						<b>10 ADAMS ST</b>				<b>NAICS Code</b>	<b>331511</b>
LEAD COMPOUNDS	N	2	1,578	1,580	0	0	1,580	0	0	0	0	0	45,497
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	16
Total for GRIFFIN PIPE PRODUCTS CO		2	1,579	1,581	0	0	1,581	0	0	0	0	0	45,512
<b>LYNCHBURG (CITY)</b>		<b>PARKER HANNIFIN INTEGRATED SEALS DIV</b>						<b>3700 MAYFLOWER DR</b>				<b>NAICS Code</b>	<b>326291</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PARKER HANNIFIN INTEGRATED SEA		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>		<b>WESTROCK / SEVEN HILLS LLC</b>						<b>1801 CONCORD TURNPIKE</b>				<b>NAICS Code</b>	<b>322130</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	12
Total for WESTROCK / SEVEN HILLS LLC		0	0	0	0	0	0	0	0	0	0	0	12

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Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site	Recovery			On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
Total for Above County : (7 records)		2	1,582	1,584	0	0	1,584	0	4,777	0	4,777	0	46,052
<b>MECKLENBURG</b>	<b>AMERICAN BUILDINGS COMPANY-LA CROSSE</b>							<b>501 GOLDEN EAGLE DR</b>				<b>NAICS Code</b>	<b>332311</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,643
Total for AMERICAN BUILDINGS COMPANY-LA		0	0	0	0	0	0	0	0	0	0	0	1,643
<b>MECKLENBURG</b>	<b>PALLET ONE OF VIRGINIA</b>							<b>820 BOYD ST</b>				<b>NAICS Code</b>	<b>321920</b>
LEAD COMPOUNDS	N	0	1	2	0	0	2	0	0	0	0	0	0
Total for PALLET ONE OF VIRGINIA		0	1	2	0	0	2	0	0	0	0	0	0
Total for Above County : (2 records)		0	1	2	0	0	2	0	0	0	0	0	1,643
<b>MONTGOMERY</b>	<b>ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI</b>							<b>RT 114 RADFORD ARMY AMMUNITION PLANT</b>				<b>NAICS Code</b>	<b>325920</b>
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	8,703
Total for ALLIANT TECHSYSTEMS OPERATION		0	5	5	0	0	5	0	0	0	0	0	8,703
<b>MONTGOMERY</b>	<b>BAE SYSTEMS, ORDNANCE SYSTEMS INC</b>							<b>RADFORD ARMY AMMUNITION PLANT 4050</b>				<b>NAICS Code</b>	<b>325920</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	1,215	88	1,303	0	117	1,420	0	0	0	0	0	5,250
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for BAE SYSTEMS, ORDNANCE SYSTEMS		1,215	88	1,303	0	117	1,420	0	0	0	0	0	5,250
<b>MONTGOMERY</b>	<b>FEDERAL MOGUL POWERTRAIN LLC.</b>							<b>300 INDUSTRIAL PARK RD SE</b>				<b>NAICS Code</b>	<b>336350</b>
LEAD	N	0	5	6	0	0	6	0	0	0	0	0	1,154
Total for FEDERAL MOGUL POWERTRAIN LLC.		0	5	6	0	0	6	0	0	0	0	0	1,154
<b>MONTGOMERY</b>	<b>MOOG INC.</b>							<b>1213 N MAIN ST</b>				<b>NAICS Code</b>	<b>334419</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	256
Total for MOOG INC.		0	0	0	0	0	0	0	0	0	0	0	256
Total for Above County : (6 records)		1,215	98	1,313	0	117	1,430	0	0	0	0	0	15,363
<b>NEWPORT NEWS (CITY)</b>	<b>ERGON ASPHALT PARTNERS, LP. - NEWPORT NEWS VA</b>							<b>801 TERMINAL AVE</b>				<b>NAICS Code</b>	<b>324121</b>

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	1	0	1	0	45
Total for ERGON ASPHALT PARTNERS, LP. - N		0	1	1	0	0	1	0	1	0	1	0	46
<b>NEWPORT NEWS (CITY)</b>	<b>HUNTINGTON INGALLS INC</b>							<b>4101 WASHINGTON AVE</b>				<b>NAICS Code</b>	<b>336611</b>
LEAD	N	1	0	1	0	422	423	0	0	0	0	23	8,229
Total for HUNTINGTON INGALLS INC		1	0	1	0	422	423	0	0	0	0	23	8,229
<b>NEWPORT NEWS (CITY)</b>	<b>JOINT BASE LANGLEY EUSTIS-EUSTIS (JBLE-EUSTIS) RANGES</b>							<b>705 WASHINGTON BLVD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	5,478	0	0	0	0	0	0
Total for JOINT BASE LANGLEY EUSTIS-EUSTI		0	0	0	0	0	5,478	0	0	0	0	0	0
<b>NEWPORT NEWS (CITY)</b>	<b>TCS MATERIALS NEWPORT NEWS</b>							<b>700 SHIELDS RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS NEWPORT NEWS		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (5 records)</b>		1	1	2	0	422	5,901	0	1	0	1	23	8,275
<b>NORFOLK (CITY)</b>	<b>BAE SYSTEMS NORFOLK SHIP REPAIR</b>							<b>750 W BERKLEY AVE</b>				<b>NAICS Code</b>	<b>336611</b>
LEAD COMPOUNDS	N	7	0	7	0	0	7	0	0	0	0	5	148
Total for BAE SYSTEMS NORFOLK SHIP REPAI		7	0	7	0	0	7	0	0	0	0	5	148
<b>NORFOLK (CITY)</b>	<b>CAPITAL CONCRETE INC.</b>							<b>400 STAPLETON ST</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CAPITAL CONCRETE INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA PLANT</b>							<b>2125 KIMBALL TERRACE</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CAM		0	0	0	0	0	0	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>	<b>US NAVY NAVAL STATION NORFOLK</b>							<b>1530 GILBERT STREET SUITE 2000</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	70	0	70	0	0	70	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site	Recovery			On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
Total for US NAVY NAVAL STATION NORFOLK		70	0	70	0	0	70	0	0	0	0	0	0
Total for Above County : (4 records)		77	0	77	0	0	77	0	0	0	0	5	148
<b>NORTHUMBERLAND</b>	<b>CARRY-ON TRAILER CORP</b>							<b>617 HARRY HOGAN RD</b>				<b>NAICS Code</b>	<b>336212</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	2
Total for CARRY-ON TRAILER CORP		0	0	0	0	0	0	0	0	0	0	0	2
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	2
<b>NOTTOWAY</b>	<b>ARBORTECH FOREST PRODUCTS, INC.</b>							<b>500 DEARING AVENUE</b>				<b>NAICS Code</b>	<b>321113</b>
LEAD COMPOUNDS	N	0	14	14	0	0	30	0	0	0	0	0	0
Total for ARBORTECH FOREST PRODUCTS, IN		0	14	14	0	0	30	0	0	0	0	0	0
<b>NOTTOWAY</b>	<b>US ARMY NATIONAL GUARD FORT PICKETT (INSTALLATION)</b>							<b>US PFO BUILDING 316 FORT PICKETT</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	39,125	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD FORT PI		0	0	0	0	0	39,125	0	0	0	0	0	0
<b>NOTTOWAY</b>	<b>US ARMY NATIONAL GUARD FORT PICKETT (RANGES)</b>							<b>US PFO BUILDING 316 FORT PICKETT</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD COMPOUNDS	N	72	0	72	0	0	72	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD FORT PI		72	0	72	0	0	72	0	0	0	0	0	0
Total for Above County : (3 records)		72	14	86	0	0	39,227	0	0	0	0	0	0
<b>PATRICK</b>	<b>MICROMETRICS SYSTEM</b>							<b>225 JEB STUART HWY</b>				<b>NAICS Code</b>	<b>332710</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MICROMETRICS SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>PETERSBURG (CITY)</b>	<b>PRE CON, INC.</b>							<b>321 BROWN ST</b>				<b>NAICS Code</b>	<b>313320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	157
Total for PRE CON, INC.		0	0	0	0	0	0	0	0	0	0	0	157
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	157

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>PITTSYLVANIA</b>	<b>BLUE RIDGE FIBERBOARD</b>							<b>250 CELOTEX DR</b>				<b>NAICS Code</b>	<b>321219</b>
POLYCYCLIC AROMATIC COMPOU	N	19	0	19	0	0	19	0	0	0	0	0	0
Total for BLUE RIDGE FIBERBOARD		19	0	19	0	0	19	0	0	0	0	0	0
<b>PITTSYLVANIA</b>	<b>JTI LEAF SERVICES (US) LLC</b>							<b>202 STINSON DRIVE</b>				<b>NAICS Code</b>	<b>312230</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JTI LEAF SERVICES (US) LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>PITTSYLVANIA</b>	<b>OWENS-BROCKWAY GLASS CONTAINER INC PLANT 29</b>							<b>29 GLASSBLOWER LN</b>				<b>NAICS Code</b>	<b>327213</b>
LEAD COMPOUNDS	N	0	233	233	0	0	233	0	0	0	0	0	1
Total for OWENS-BROCKWAY GLASS CONTAIN		0	233	233	0	0	233	0	0	0	0	0	1
Total for Above County : (3 records)		19	233	252	0	0	252	0	0	0	0	0	1
<b>PORTSMOUTH (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC-PORT NORFOLK PLANT</b>							<b>101 CHAUTAUQUA AVE</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-POR		0	0	0	0	0	0	0	0	0	0	0	0
<b>PORTSMOUTH (CITY)</b>	<b>US COAST GUARD BASE PORTSMOUTH</b>							<b>4000 COAST GUARD BLVD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	5	0	5	0	0	5	0	0	0	0	0	4,872
Total for US COAST GUARD BASE PORTSMOU		5	0	5	0	0	5	0	0	0	0	0	4,872
Total for Above County : (2 records)		5	0	5	0	0	5	0	0	0	0	0	4,872
<b>PRINCE EDWARD</b>	<b>FARMVILLE RMC PLANT</b>							<b>10630 PRINCE EDWARD HWY</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for FARMVILLE RMC PLANT		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE GEORGE</b>	<b>FEDERAL CORRECTIONAL COMPLEX PETERSBURG</b>							<b>1060 RIVER RD</b>				<b>NAICS Code</b>	<b>922140</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for FEDERAL CORRECTIONAL COMPLEX		0	0	0	0	0	0	0	0	0	0	0	0

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# 2022 Toxics Release Inventory

Appendix G

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>PRINCE GEORGE</b>	<b>U.S. ARMY GARRISON FORT GREGG-ADAMS VA - RANGES</b>							<b>825 19TH ST</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	10	0	10	0	0	483	0	0	0	0	0	0
Total for U.S. ARMY GARRISON FORT GREGG-		10	0	10	0	0	483	0	0	0	0	0	0
<b>Total for Above County : (2 records)</b>		<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>483</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>	<b>BAE SYSTEMS INFORMATION &amp; ELECTRONIC SYSTEMS INTEGRAT</b>							<b>9300 WELLINGTON RD</b>				<b>NAICS Code</b>	<b>334419</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	78
Total for BAE SYSTEMS INFORMATION & ELEC		0	0	0	0	0	0	0	0	0	0	0	78
<b>PRINCE WILLIAM</b>	<b>GAINESVILLE RMC FACILITY</b>							<b>14505 LEE HIGHWAY</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for GAINESVILLE RMC FACILITY		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	<b>MANASSAS READY MIX CONCRETE</b>							<b>7310 OLD COMPTON RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	6
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MANASSAS READY MIX CONCRETE		0	0	0	0	0	0	0	0	0	0	0	6
<b>PRINCE WILLIAM</b>	<b>POSSUM POINT POWER STATION</b>							<b>19000 POSSUM POINT RD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for POSSUM POINT POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	<b>SAFETY-KLEEN SYSTEMS MANASSAS (MAN)</b>							<b>11520 BALLS FORD RD</b>				<b>NAICS Code</b>	<b>562112</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	47
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	770
Total for SAFETY-KLEEN SYSTEMS MANASSAS		0	0	0	0	0	0	0	0	0	0	0	817
<b>PRINCE WILLIAM</b>	<b>TITAN VIRGINIA READY-MIX LLC-COPPERHEAD PLANT</b>							<b>9660 INNOVATION DR</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-COP		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site				On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
<b>PRINCE WILLIAM</b>	<b>TITAN VIRGINIA READY-MIX LLC-DUMFRIES PLANT</b>							<b>3454 CANAL RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-DUM		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>	<b>US MARINE CORPS BASE QUANTICO</b>							<b>3250 CATLIN AVE</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD COMPOUNDS	N	100	0	100	0	0	81,164	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO		<b>100</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>81,164</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>	<b>VIRGINIA CONCRETE DUMFRIES PLANT</b>							<b>217 CANAL RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DUMFRIES PLA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>	<b>VIRGINIA CONCRETE GAINESVILLE PLANT</b>							<b>7300 RAIL LINE CT</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE GAINESVILLE P		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>	<b>VIRGINIA CONCRETE WOODBRIDGE PLANT</b>							<b>936 ANNAPOLIS WAY</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE WOODBRIDGE		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (13 records)</b>		<b>100</b>	<b>1</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>81,165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>901</b>
<b>PULASKI</b>	<b>JAMES HARDIE BUILDING PRODUCTS PULASKI</b>							<b>1000 JAMES HARDIE WAY</b>				<b>NAICS Code</b>	<b>327390</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	716
MERCURY	N	0	0	0	0	0	0	0	0	0	0	1	3
Total for JAMES HARDIE BUILDING PRODUCTS		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>719</b>
<b>PULASKI</b>	<b>VOLVO GROUP NORTH AMERICA, LLC</b>							<b>4881 COUGAR TRAIL ROAD</b>				<b>NAICS Code</b>	<b>336120</b>
POLYCYCLIC AROMATIC COMPOU	N	603	0	603	0	0	603	0	0	0	0	0	0
Total for VOLVO GROUP NORTH AMERICA, LLC		<b>603</b>	<b>0</b>	<b>603</b>	<b>0</b>	<b>0</b>	<b>603</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (3 records)</b>		<b>603</b>	<b>0</b>	<b>603</b>	<b>0</b>	<b>0</b>	<b>603</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>719</b>

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>RICHMOND</b>	<b>DOMINION - NORTHERN NECK COMBUSTION TURBINE STATIO</b>							<b>819 INDIANFIELD RD</b>				<b>NAICS Code</b>	<b>221112</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for DOMINION - NORTHERN NECK COMB		0	0	0	0	0	0	0	0	0	0	0	0
<b>RICHMOND</b>	<b>SONOCO RICHMOND</b>							<b>1850 COMMERCE RD</b>				<b>NAICS Code</b>	<b>322130</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	28
Total for SONOCO RICHMOND		0	0	0	0	0	0	0	0	0	0	0	28
<b>Total for Above County : (2 records)</b>		0	0	0	0	0	0	0	0	0	0	0	28
<b>ROANOKE</b>	<b>ELBIT SYSTEMS OF AMERICA - NIGHT VISION LLC</b>							<b>7635 PLANTATION RD</b>				<b>NAICS Code</b>	<b>333310</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	290
Total for ELBIT SYSTEMS OF AMERICA - NIGHT		0	0	0	0	0	0	0	0	0	0	0	290
<b>ROANOKE</b>	<b>KOPPERS INC (ROANOKE)</b>							<b>4020 KOPPERS RD</b>				<b>NAICS Code</b>	<b>321114</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	190	0	190	0	14
POLYCYCLIC AROMATIC COMPOU	N	3	4	7	0	0	7	0	61,662	7	61,668	0	4,666
Total for KOPPERS INC (ROANOKE)		3	4	7	0	0	7	0	61,852	7	61,859	0	4,680
<b>ROANOKE</b>	<b>MEDECO SECURITY LOCKS INC.</b>							<b>3625 ALLEGHENY DR</b>				<b>NAICS Code</b>	<b>332510</b>
LEAD	N	0	0	0	0	1	1	0	0	0	0	0	26,158
Total for MEDECO SECURITY LOCKS INC.		0	0	0	0	1	1	0	0	0	0	0	26,158
<b>ROANOKE</b>	<b>NEW MILLENNIUM BUILDING SYSTEMS</b>							<b>100 DIUGUIDS LANE</b>				<b>NAICS Code</b>	<b>332312</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	7,169
Total for NEW MILLENNIUM BUILDING SYSTEM		0	0	0	0	0	0	0	0	0	0	0	7,169
<b>ROANOKE</b>	<b>SAFETY-KLEEN SYSTEMS VINTON (ROA)</b>							<b>16090 STEWARTSVILLE RD</b>				<b>NAICS Code</b>	<b>562112</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	52
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	4,360
Total for SAFETY-KLEEN SYSTEMS VINTON (R		0	0	0	0	0	0	0	0	0	0	0	4,412

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>ROANOKE</b>	<b>YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC</b>							<b>1500 INDIANA ST</b>				<b>NAICS Code</b>	<b>326211</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	1
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	3
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	3
Total for YOKOHAMA TIRE MANUFACTURING V		<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
<b>Total for Above County : (10 records)</b>		<b>3</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>61,852</b>	<b>7</b>	<b>61,859</b>	<b>0</b>	<b>42,716</b>
<b>ROANOKE (CITY)</b>	<b>ASSOCIATED ASPHALT ROANOKE, LLC</b>							<b>2677 ROANOKE AVE SW</b>				<b>NAICS Code</b>	<b>424710</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	16	16	0	0	16	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT ROANOKE, LL		<b>0</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ROANOKE (CITY)</b>	<b>FRANK CHERVAN INCORPORATED</b>							<b>2005 GREENBRIER AVE SE</b>				<b>NAICS Code</b>	<b>337122</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for FRANK CHERVAN INCORPORATED		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ROANOKE (CITY)</b>	<b>STEEL DYNAMICS INC ROANOKE BAR DIV</b>							<b>102 WESTSIDE BLVD</b>				<b>NAICS Code</b>	<b>331110</b>
LEAD COMPOUNDS	N	17	126	143	0	54	197	0	0	0	0	0	250,982
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for STEEL DYNAMICS INC ROANOKE BAR		<b>17</b>	<b>126</b>	<b>143</b>	<b>0</b>	<b>54</b>	<b>197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,982</b>
<b>Total for Above County : (5 records)</b>		<b>17</b>	<b>143</b>	<b>160</b>	<b>0</b>	<b>54</b>	<b>214</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,982</b>
<b>ROCKBRIDGE</b>	<b>CONCRETE PIPE &amp; PRECAST LLC-HARRISONBURG PRECAST PLANT</b>							<b>210 STONE SPRING RD</b>				<b>NAICS Code</b>	<b>327332</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ROCKBRIDGE</b>	<b>STELLA JONES CORP-GOSHEN FACILITY</b>							<b>9223 MAURY RIVER RD</b>				<b>NAICS Code</b>	<b>321114</b>
BENZO[G,H,I]PERYLENE	N	1	0	1	0	0	1	0	0	0	0	0	39
POLYCYCLIC AROMATIC COMPOU	N	20	2	21	0	1	22	0	0	0	0	0	2,183
Total for STELLA JONES CORP-GOSHEN FACILI		<b>20</b>	<b>2</b>	<b>22</b>	<b>0</b>	<b>1</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,222</b>

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# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (3 records)		20	2	22	0	1	23	0	0	0	0	0	2,222
<b>SALEM (CITY) BOXLEY SALEM ASPHALT PLANT</b>								<b>2101 SALEM INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>324121</b>
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	4,090	0	4,090	0	0
Total for BOXLEY SALEM ASPHALT PLANT		0	3	3	0	0	3	0	4,090	0	4,090	0	0
<b>SALEM (CITY) CONCRETE PIPE &amp; PRECAST LLC-SALEM #1 PLANT</b>								<b>2000 SALEM INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>327332</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-SAL		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	3	3	0	0	3	0	4,090	0	4,090	0	0
<b>SMYTH GENERAL DYNAMICS MISSION SYSTEMS, INC.</b>								<b>150 JOHNSTON RD</b>				<b>NAICS Code</b>	<b>336413</b>
TETRABROMOBISPHENOL A	N	0	0	0	0	0	0	0	0	0	0	0	82
Total for GENERAL DYNAMICS MISSION SYSTE		0	0	0	0	0	0	0	0	0	0	0	82
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	82
<b>SOUTHAMPTON ATLANTIC POLE &amp; PILING - NEWSOMS</b>								<b>21366 GENERAL THOMAS HWY</b>				<b>NAICS Code</b>	<b>321114</b>
LEAD	N	0	1	1	0	0	4	0	0	0	0	0	1
Total for ATLANTIC POLE & PILING - NEWSOMS		0	1	1	0	0	4	0	0	0	0	0	1
Total for Above County : (1 record)		0	1	1	0	0	4	0	0	0	0	0	1
<b>SPOTSYLVANIA OLDCASTLE PRECAST INC</b>								<b>5115 MASSAPONAX CHURCH RD</b>				<b>NAICS Code</b>	<b>327390</b>
LEAD COMPOUNDS	N	0	0	0	0	0	1	0	0	0	0	0	6
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE PRECAST INC		0	0	0	0	0	1	0	0	0	0	0	6
<b>SPOTSYLVANIA VIRGINIA CONCRETE SPOTSYLVANIA PLANT</b>								<b>6110 SMITH STATION ROAD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SPOTSYLVANIA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	1	0	0	0	0	0	6

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Appendix G

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<b>STAFFORD</b>	<b>FTG CORP.</b>							<b>1026 WARRENTON RD</b>				<b>NAICS Code</b>	<b>334412</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	0
Total for FTG CORP.		0	0	0	0	0	0	0	0	0	0	2	0
<b>STAFFORD</b>	<b>TITAN VIRGINIA READY-MIX LLC-STAFFORD PLANT</b>							<b>48 POWELL LN</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STAF		0	0	0	0	0	0	0	0	0	0	0	0
<b>STAFFORD</b>	<b>U.S. DOJ FBI TRAINING ACADEMY</b>							<b>MCB-4 BUILDING 15-FMU</b>				<b>NAICS Code</b>	<b>921110</b>
LEAD COMPOUNDS	N	59	5	64	0	0	64	0	0	0	0	0	26,724
Total for U.S. DOJ FBI TRAINING ACADEMY		59	5	64	0	0	64	0	0	0	0	0	26,724
<b>STAFFORD</b>	<b>VIRGINIA CONCRETE-STAFFORD PLANT</b>							<b>32 WYCHE RD</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE-STAFFORD PLA		0	0	0	0	0	0	0	0	0	0	0	0
<b>STAFFORD</b>	<b>VIRGINIA PAVING COMPANY GARRISONVILLE PLANT</b>							<b>75 VULCAN QUARRY ROAD</b>				<b>NAICS Code</b>	<b>324121</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	20	20	0	0	20	0	0	0	0	0	0
Total for VIRGINIA PAVING COMPANY GARRIS		0	20	20	0	0	20	0	0	0	0	0	0
Total for Above County : (6 records)		59	25	84	0	0	84	0	0	0	0	2	26,724
<b>TAZEWELL</b>	<b>QUIKRETE - POUNDING MILL, VA PLANT</b>							<b>288 QUARRY RD</b>				<b>NAICS Code</b>	<b>327999</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUIKRETE - POUNDING MILL, VA PLA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC-OCEANA PLANT</b>							<b>160 OCEANA BLVD.</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-OCE		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site	Recovery			On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
<b>VIRGINIA BEACH (CITY)</b>	<b>U.S. NAVY FLEET COMBAT TRAINING CENTER ATL DAM NECK BAS</b>							<b>1912 REGULUS AVE</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	6,733	0	0	0	0	0	0
Total for U.S. NAVY FLEET COMBAT TRAINING		0	0	0	0	0	6,733	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>US NAVY JOINT EXPEDITIONARY FORT STORY RANGE</b>							<b>300 ATLANTIC AVENUE</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	257	0	0	0	0	0	0
Total for US NAVY JOINT EXPEDITIONARY FOR		0	0	0	0	0	257	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>US NAVY JOINT EXPEDITIONARY LITTLE CREEK RANGE</b>							<b>2600 TARAWE CT SUITE 100</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	0	0	0	0	0	3,104	0	0	0	0	0	0
Total for US NAVY JOINT EXPEDITIONARY LITT		0	0	0	0	0	3,104	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>US NAVY NAVAL AIR STATION OCEANA BASE</b>							<b>1750 TOMCAT BLVD</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD COMPOUNDS	N	122	0	122	0	0	122	0	0	0	0	0	0
Total for US NAVY NAVAL AIR STATION OCEAN		122	0	122	0	0	122	0	0	0	0	0	0
Total for Above County : (5 records)		122	0	122	0	0	10,216	0	0	0	0	0	0
<b>WARREN</b>	<b>INTERBAKE FOODS</b>							<b>200 BAKER PLAZA</b>				<b>NAICS Code</b>	<b>311812</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for INTERBAKE FOODS		0	0	0	0	0	0	0	0	0	0	0	0
<b>WARREN</b>	<b>TITAN VIRGINIA READY-MIX LLC-FRONT ROYAL READY-MIX CON</b>							<b>399 KELLEY DR</b>				<b>NAICS Code</b>	<b>327320</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-FRO		0	0	0	0	0	0	0	0	0	0	0	0
<b>WARREN</b>	<b>US CBP CANINE TRAINING FACILITY FIRING RANGE #VA0040</b>							<b>828 HARMONY HOLLOW RD</b>				<b>NAICS Code</b>	<b>922120</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US CBP CANINE TRAINING FACILITY F		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	0	0	0	0	0	0	0
<b>WASHINGTON</b>	<b>AZZ GALVANIZING-BRISTOL</b>							<b>14781 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>332812</b>

\* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	77
Total for AZZ GALVANIZING-BRISTOL		0	0	0	0	0	0	0	0	0	0	0	77
<b>WASHINGTON</b>	<b>METAL CASTING CO</b>							<b>15331 INDUSTRIAL PARK ROAD</b>				<b>NAICS Code</b>	<b>331523</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for METAL CASTING CO		0	0	0	0	0	0	0	0	0	0	0	0
<b>WASHINGTON</b>	<b>MXI ENVIRONMENTAL SERVICES, LLC</b>							<b>26319 OLD TRAIL RD (ST RTE 679)</b>				<b>NAICS Code</b>	<b>562111</b>
CHLORDANE	N	0	0	0	0	0	0	0	0	0	0	0	400
HEPTACHLOR	N	0	0	0	0	0	0	0	0	0	0	0	400
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	36,320
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	468
METHOXYCHLOR	N	0	0	0	0	0	0	0	0	0	0	0	400
Total for MXI ENVIRONMENTAL SERVICES, LLC		0	0	0	0	0	0	0	0	0	0	0	37,988
<b>Total for Above County : (7 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38,065</b>
<b>WESTMORELAND</b>	<b>CARRY-ON TRAILER CORP</b>							<b>159 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>336212</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	144
Total for CARRY-ON TRAILER CORP		0	0	0	0	0	0	0	0	0	0	0	144
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144</b>
<b>WISE</b>	<b>VIRGINIA CITY HYBRID ENERGY CENTER</b>							<b>3425 RUSSELL CREEK RD</b>				<b>NAICS Code</b>	<b>221112</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	2	2	0	0	2	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	75	75	0	0	11,974	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	147	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for VIRGINIA CITY HYBRID ENERGY CENT		0	82	82	0	0	12,128	0	0	0	0	0	0
<b>Total for Above County : (4 records)</b>		<b>0</b>	<b>82</b>	<b>82</b>	<b>0</b>	<b>0</b>	<b>12,128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>YORK</b>	<b>AFETA CAMP PEARY</b>							<b>1100 EXECUTIVE DRIVE</b>				<b>NAICS Code</b>	<b>928110</b>

\* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

# 2022 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	28	0	28	0	0	28	0	0	0	0	0	0
Total for AFETA CAMP PEARY		28	0	28	0	0	28	0	0	0	0	0	0
<b>YORK</b>		<b>U.S NAVY CHEATHAM ANNEX BASE</b>						<b>108 SANDA AVE BLDG 270</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	14	0	14	0	0	2,623	0	0	0	0	0	0
Total for U.S NAVY CHEATHAM ANNEX BASE		14	0	14	0	0	2,623	0	0	0	0	0	0
<b>YORK</b>		<b>US NAVY YORKTOWN NAVAL WEAPONS STATION BASE</b>						<b>160 MAIN RD.</b>				<b>NAICS Code</b>	<b>928110</b>
LEAD	N	39	0	39	0	0	6,323	0	0	0	0	0	0
Total for US NAVY YORKTOWN NAVAL WEAPO		39	0	39	0	0	6,323	0	0	0	0	0	0
<b>YORK</b>		<b>YORKTOWN POWER STATION</b>						<b>1600 WATERVIEW RD</b>				<b>NAICS Code</b>	<b>221112</b>
BENZO[G,H,I]PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for YORKTOWN POWER STATION		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		82	0	82	0	0	8,974	0	0	0	0	0	0

\* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)



## **Appendix H-1 - 2022 VA TRI NAICS Code Ranking by On-Site Releases**

## APPENDIX H-1 - 2022 VA TRI NAICS Code Ranking by On-Site Releases

NAICS Subsector	General Type of Industry	Count	Total On-Site Release (Pounds)
325	Chemical Manufacturing	216	11,274,672
322	Paper Manufacturing	87	5,797,844
221	Utilities	102	1,758,962
311	Food Manufacturing	68	1,441,087
324	Petroleum and Coal Products Manufacturing	22	1,317,967
332	Fabricated Metal Product Manufacturing	99	1,309,662
326	Plastics and Rubber Products Manufacturing	66	956,036
928	National Security & International Affairs	43	352,961
312	Beverage and Tobacco Product Manufacturing	12	317,129
336	Transportation Equipment Manufacturing	62	210,752
	<b>All Other NAICS</b>	<b>472</b>	<b>836,633</b>
321	Wood Product Manufacturing	57	205,930
331	Primary Metal Manufacturing	48	168,658
337	Furniture and Related Product Manufacturing	13	151,644
327	Nonmetallic Mineral Product Manufacturing	115	149,926
334	Computer and Electronic Product Manufacturing	25	59,839
335	Electrical Equipment, Appliance, and Component Manufacturing	14	16,977
323	Printing and Related Support Activities	14	16,585
333	Machinery Manufacturing	44	16,404
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	14,004
339	Miscellaneous Manufacturing	5	13,822
424	Merchant Wholesalers, Nondurable Goods	83	10,675
325	Medicinal and Botanical Manufacturing	4	6,447
425	Wholesale Electronic Markets and Agents and Brokers	6	2,688
922	Justice, Public Order, and Safety Activities	2	1,790
811	Repair and Maintenance	2	500
314	Textile Product Mills	3	271
313	Textile Mills	4	204
921	Executive, Legislative, and Other General Government Support	2	166
927	Space Research and Technology	2	61
212	Mining (Except Oil and Gas)	1	28
562	Waste Management and Remediation Services	16	8

<b>NAICS Subsector</b>	<b>General Type of Industry</b>	<b>Count</b>	<b>Total On-Site Release (Pounds)</b>
336	Motor Vehicle Body Manufacturing	1	4
321	Wood Container and Pallet Manufacturing	1	2
922	Other Justice, Public Order, and Safety Activities	1	1
922	Police Protection	2	0
323	Fabricated Metal Product Manufacturing	1	0
325	Toilet Preparation Manufacturing	1	0
454	Non-store Retailers	3	0

## **Appendix H-2 - 2022 VA TRI NAICS Code Ranking by On-Site Management**

## APPENDIX H-2 - 2022 VA TRI NAICS Code Ranking by On-Site Management

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
325	Chemical Manufacturing	216	348,062,932
322	Paper Manufacturing	87	41,065,472
311	Food Manufacturing	68	15,197,128
332	Fabricated Metal Product Manufacturing	99	6,713,259
326	Plastics and Rubber Products Manufacturing	66	6,012,412
221	Utilities	102	1,887,500
334	Computer and Electronic Product Manufacturing	25	1,670,731
321	Wood Product Manufacturing	57	1,270,841
336	Transportation Equipment Manufacturing	62	1,203,198
314	Textile Product Mills	3	678,490
	<b>All Other NAICS</b>	<b>464</b>	<b>1,211,262</b>
339	Miscellaneous Manufacturing	5	507,058
312	Beverage and Tobacco Product Manufacturing	12	399,968
327	Nonmetallic Mineral Product Manufacturing	115	186,480
337	Furniture and Related Product Manufacturing	13	63,116
331	Primary Metal Manufacturing	48	32,393
324	Petroleum and Coal Products Manufacturing	22	8,868
424	Merchant Wholesalers, Nondurable Goods	83	8,701
335	Electrical Equipment, Appliance, and Component Manufacturing	14	3,200
313	Textile Mills	4	1,478
927	Space Research and Technology	2	0
922	Police Protection	2	0
922	Other Justice, Public Order, and Safety Activities	1	0
922	Justice, Public Order, and Safety Activities	2	0
321	Wood Container and Pallet Manufacturing	1	0
921	Executive, Legislative, and Other General Government Support	2	0
811	Repair and Maintenance	2	0
323	Fabricated Metal Product Manufacturing	1	0
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	0
562	Waste Management and Remediation Services	16	0
325	Medicinal and Botanical Manufacturing	4	0

<b>NAICS Subsector</b>	<b>General Type of Industry</b>	<b>Count</b>	<b>Total On-Site Treatment (Pounds)</b>
325	Toilet Preparation Manufacturing	1	0
454	Nonstore Retailers	3	0
425	Wholesale Electronic Markets and Agents and Brokers	6	0
212	Mining (Except Oil and Gas)	1	0
928	National Security & International Affairs	43	0
333	Machinery Manufacturing	44	0
336	Motor Vehicle Body Manufacturing	1	0
323	Printing and Related Support Activities	14	0

**Appendix I-1 - 2022 VA TRI Facility Ranking  
by On-Site Releases**

# Appendix I-1

## 2022 Toxics Release Inventory

### APPENDIX I-1 - 2022 VA TRI FACILITY RANKING BY ON-SITE RELEASES

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
1	Bae Systems, Ordnance Systems Inc	8,201,877	Radford Army Ammunition Plant 4050 Peppers Ferry Rd	Radford	Montgomery	24141RDFRDPOBOX
2	Westrock Virginia Corporation (Entire)	2,745,680	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
3	Jewell Coke Co LP	1,317,938	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
4	Advansix Inc Hopewell Plant	1,229,390	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
5	International Paper Franklin Mill	1,101,334	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
6	Doswell LP	914,365	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
7	Westrock CP, LLC	840,502	1901 Main St	West Point	King William	23181CHSPK19THM
8	BWXT Nuclear Operations Group, Inc.	593,457	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH
9	Ball Metal Beverage Container Corp	545,319	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
10	Ashland Specialty Ingredients GP	475,277	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
11	GP Big Island, LLC	460,099	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW



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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
12	Perdue Foods LLC - Accomac Processing Plant	448,005	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
13	Virginia City Hybrid Energy Center	387,030	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
14	Perdue Agribusiness LLC - Chesapeake Va	367,840	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
15	Celanese Acetate LLC - Celco Plant	364,132	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
16	Chesterfield Power Station	349,123	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
17	Greif Packaging LLC	328,787	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
18	Westrock CP LLC	321,442	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
19	Dupont Specialty Products USA, LLC - Spruance Plant	306,625	5401 Route 1	North Chesterfield	Chesterfield	23234DPNTSUSHIG
20	Honeywell International Colonial Heights Plant	295,207	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
21	Philip Morris USA Park 500 Site	233,599	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
22	Aquatic Co	228,080	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX
23	Eastman Performance Films, LLC - Plant Ii	207,162	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
24	Griffin Pipe Products Co	150,916	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
25	Church & Dwight Co Inc	140,487	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
26	New Market Poultry LLC	138,190	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
27	US Marine Corps Base Quantico	149,682	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
28	Mondelez Global LLC	115,793	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
29	Eastman Performance Films, LLC-Axton Facility	98,471	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
30	Clover Power Station	90,877	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
31	Huber Engineered Woods LLC	80,289	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRT3HW
32	Tyson Farms Inc-Temperanceville	79,915	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
33	Slocum Adhesives Corporation	77,354	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
34	Georgia-Pacific Wood Products LLC - Brookneal Osb	76,524	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
35	Lhoist NA Of Virginia Inc Kimballton Area 1	75,707	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
36	Dupont Teijin Films Spruance	75,194	5401A Route 1	Richmond	Chesterfield	2323WDPNTT541AR

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
37	VPGC LLC Hinton Facility	73,685	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
38	Vaughan-Bassett Furniture Co. Galax	68,873	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
39	Intertape Polymer Corp	61,890	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
40	Huntington Ingalls Inc	78,776	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
41	Volvo Group North America, LLC	58,211	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
42	Omega Protein Corporation	56,354	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
43	George's Chicken LLC	55,622	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFR RTE42
44	New Millennium Building Systems	54,262	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
45	US Army Fort AP Hill Garrison (Part)	54,247	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
46	Micron Technology Inc.	50,497	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
47	Roanoke Cement Co LLC	49,205	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
48	Ingevity Virginia Corporation	44,752	958 E Riverside St	Covington	Covington (City)	2442WNGV TY958ER
49	Appalachian Plastics Inc.	41,763	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
50	Dynax America Corp	40,669	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
51	US Army National Guard Fort Pickett (Installation)	103,298	US PFO Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
52	JTI Leaf Services (US) LLC	37,936	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
53	Virginia Marble Manufacturers Inc	37,216	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
54	The Lycra Company LLC	37,018	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
55	Alliant Techsystems Operations LLC (New River Energetics)	36,964	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
56	Darling Ingredients Inc Linville Facility	35,826	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
57	Tyson Farms Inc. - Processing Facility	35,169	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
58	Cabinetworks Group - Mount Jackson Plant	34,604	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
59	Cabinetworks Group - Culpeper Plant	34,507	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
60	Wolverine Advanced Materials	34,297	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
61	Kingspan Insulation LLC	33,706	200 Kingspan Way	Winchester	Frederick	22601MCFMPROUTE

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
62	Axalta Coating Systems USA LLC-Front Royal Plant	30,302	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
63	Strongwell Corp Bristol	27,491	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
64	Georgia Pacific Wood Products LLC Emporia Plywood	25,939	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
65	Molson Coors Shenandoah Brewery	23,806	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
66	Colonna's Shipyard Inc	20,730	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
67	MICA Co Of Canada Inc	19,977	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
68	Evolve Stone LLC	18,811	200 Lenoir Drive	Winchester	Frederick	2260WVLVST2LENI
69	HAPCO	18,668	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
70	Virginia Marble Manufacturers Inc	17,902	1201 5th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
71	U.S/ Navy Naval Support Activity Northwest Annex Base	16,275	1320 NW Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
72	Bellwood Printing Plant	16,144	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
73	Trivium Packaging USA Inc	19,005	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL

## Appendix I-1

## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
74	Darling Ingredients Inc-Winchester Facility	14,427	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
75	Ball Advanced Aluminum Technologies Corp	14,004	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
76	Sterilization Services of Virginia	13,821	5674 Eastport Blvd	Henrico	Henrico	23231STRLZ5674E
77	Bassett Plant 11	13,640	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
78	Stihl Inc	13,567	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
79	Anheuser-Busch LLC	13,277	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
80	Solenis LLC	13,207	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
81	Akzo Nobel Coatings Inc	12,598	2837 Roanoke Ave SW	Roanoke	Roanoke (City)	24015RLNCN2837R
82	NIBCO Of Virginia Inc.	11,772	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
83	Smithfield Fresh Meats Corp Smithfield, Va Facility	11,530	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
84	Solenis LLC	10,854	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
85	Tenaska Virginia Partners LP	10,493	2300 Branch Road	Scottsville	Fluvanna	2459WTNSKV23BRA
86	Columbia Forest Products	9,773	100 Paul Rd SW	Chatham	Pittsylvania	24531CLMBF1PAUL

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### 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
87	Novelis Alr Rolled Products Inc	9,339	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
88	Ascent Chemicals - Danville	8,975	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
89	CPFilms, Inc.	8,653	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
90	Veolia James River Plant	8,538	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
91	Virginia Transformer Corp	8,512	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
92	Philip Morris USA Commerce Road Site	8,511	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
93	Ennis-Flint Richmond	8,354	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
94	Wolverine Advanced Materials	8,309	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
95	Virginia Transformer Corp.	8,250	220 Glade View Dr NE	Roanoke	Roanoke	24012VRGNT220GL
96	Merck Sharp & Dohme LLC	7,956	2778 SE Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
97	Crown Beverage Packaging	7,310	202 Sustainable Way	Ridgeway	Henry	2414WCRWNB22SUT
98	Bear Garden Generating Station	6,981	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
99	Stella Jones Corp-Goshen Facility	6,808	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
100	TTM Technologies North America, LLC.	6,763	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
101	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	6,733	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
102	Pilgrim's Pride Corp Broadway Facility	6,663	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
103	Nucor Insulated Panel Group	6,657	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
104	RPS Composites Virginia, Inc.	6,485	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
105	Strongwell Corp Highlands Div	6,461	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
106	Fiberglass Engineering Co	6,372	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
107	US Navy Yorktown Naval Weapons Station Base	6,323	160 Main Rd.	Yorktown	York	2369WSNVYYRUTE2
108	Federal Mogul Powertrain LLC.	5,977	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
109	UPACO Adhesives Inc	5,900	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
110	South Atlantic Galvanizing LLC	5,534	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
111	Joint Base Langley Eustis-Eustis (Jble-Eustis) Ranges	5,478	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
112	Arkema Inc	5,020	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI



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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
113	BAE Systems Norfolk Ship Repair	5,013	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
114	Steel Dynamics Inc Roanoke Bar Div	4,642	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
115	Advansix Resins and Chemicals LLC	3,987	4101 Bermuda Hundred Rd	Chester	Chesterfield	23831LLDSG4101B
116	Mar-Bal, Inc.	3,900	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
117	Yokohama Tire Manufacturing Virginia LLC	3,655	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
118	Polynt Composites USA Inc.	3,646	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
119	Koppers Inc (Roanoke)	3,608	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
120	Ampac Fine Chemicals Virginia LLC	#REF!	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
121	O'Sullivan Films Inc	3,307	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
122	US Navy Joint Expeditionary Little Creek Range	3,104	2600 Tarawa Ct Suite 100	Virginia Beach	Virginia Beach (City)	23521SDDSN2600T
123	Davis-Frost Inc	3,098	3416 Candler's Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
124	Evonik Industries	2,992	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
125	American Gfm Corp	2,708	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
126	US Defense Logistics Agency Defense Supply Center Richmond	2,688	6090 Strathmore Rd	Richmond	Chesterfield	23297DFNSG8000J

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
127	U.S Navy Cheatham Annex Base	2,623	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
128	Canon Virginia Inc	2,578	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
129	Allied Aviation Fueling Co Inc	2,559	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
130	Chaparral (Va) Inc	2,536	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
131	Brenntag Mid-South, Inc.	2,204	738 Goodes St	Richmond	Richmond (City)	2322WBRNNT738GD
132	U.S. Navy Norfolk Naval Shipyard	2,092	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
133	Steelfab Inc, Of Virginia	1,903	1510 Reese St	Emporia	Greensville	23847STFBF1510R
134	Menzies Aviation Fueling Operations Wash Dulles International	1,864	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
135	US Penitentiary Lee	1,790	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
136	Hoover Treated Wood Products, Inc	1,727	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
137	Chemsovl Inc	1,577	1140 Industry Ave SE	Roanoke	Roanoke (City)	24013CHMSL1140I
138	Cameron Chemical Inc.	1,515	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
139	DRIV	1,282	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
140	U.S. Amines (Portsmouth) LLC	1,262	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
141	Eastman Performance Films, LLC-Plant 1	1,227	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
142	Howmet Castings & Services Inc	1,167	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
143	US Navy Naval Station Norfolk	1,134	1530 Gilbert Street Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
144	Marvin Composites	1,128	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
145	George's Foods, LLC. Processing Plant	1,065	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
146	Motiva Fairfax Terminal	1,037	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
147	Reco Biodiesel, LLC	1,000	710 Hospital St	Richmond	Richmond (City)	2321WRCBDS71HSP
148	Kinder Morgan Transmix Company, LLC	934	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
149	AZZ Galvanizing-Bristol	827	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
150	Carpenter Co Richmond Plant	803	2400 Richmond Hwy	Richmond	Richmond (City)	23234RCRPN2400J
151	Pine Products Inc	791	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
152	General Shale Brick Inc Plant 35 & 36	780	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
153	Hutchinson Sealing Systems Inc	772	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
154	US Navy Defense Fuel Support Point Craney Island	742	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
155	RTI Martinsville Inc	732	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
156	HP Hood LLC	720	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
157	Valmont-Virginia Galvanizing Inc	693	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
158	Superior Concrete Materials Inc. - Dulles	516	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
159	Dominion Chemical Co Inc	500	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
160	Arkema Inc Franklin Plant	500	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
161	Joy Global Underground Mining, LLC	500	811 Boone Trail Rd	Duffield	Scott	2424WJYGLB811BN
162	Accutec Blades, Inc.	484	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
163	U.S. Army Garrison Fort Gregg-Adams Va - Ranges	483	825 19Th St	Fort Lee	Prince George	23801SRMYC3901A
164	Airgas Specialty Products Inc., Suffolk, Va	464	105 Dill Rd	Suffolk	Suffolk (City)	2343WRGSSP15DIL
165	Virginia Concrete Shirlington Plant	423	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
166	Virginia Concrete Edsall Road Plant	410	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
167	Superior Concrete Materials Inc. - Lorton	392	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
168	Morgan Lumber Company, Inc.	360	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
169	Glen-Gery Corporation - Lawrenceville Plant	355	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
170	Virginia Concrete Dulles Plant	322	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
171	The Goodyear Tire & Rubber Co.	275	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
172	US Navy Naval Air Station Oceana Base	275	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
173	Mehler Engineered Products	271	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
174	Blue Ridge Solvents & Coatings	264	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
175	US Navy Joint Expeditionary Fort Story Range	257	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
176	IR Engraving LLC	257	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
177	Westover Dairy	255	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
178	SICPA Securink Corp	250	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
179	Virginia Concrete Cochran Mill	241	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
180	Owens-Brockway Glass Container Inc Plant 29	233	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
181	Virginia Concrete Falls Church Plant	216	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
182	Hitachi Energy USA Inc.	215	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
183	Pre Con Inc	204	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
184	Southern Graphic Systems LLC	184	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
185	U.S. DOJ FBI Training Academy	166	Mcb-4 Building 15-Fmu	Quantico	Stafford	22135SDJFBMCB4B
186	Pentagon Reservation	162	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
187	Virginia Concrete Spotsylvania Plant	154	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
188	Cooper Steel	148	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
189	O-N Minerals (Chemstone) Winchester Lime Plant	145	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
190	Owens-Brockway Glass Container Inc Plant 26	139	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
191	Virginia Concrete Dumfries Plant	135	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
192	Virginia Concrete Gainesville Plant	130	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
193	Virginia Concrete Co Inc-Chantilly	116	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
194	Capital Concrete Inc.	115	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
195	Modine Manufacturing Co	105	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
196	Oldcastle Precast Inc	92	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
197	Commonwealth Galvanizing	89	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
198	Samuel Son & Company (USA) Inc.	85	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
199	Virginia Concrete-Stafford Plant	75	32 Wyche Rd	Stafford	Stafford	2255WVRGNC32WYC
200	Fisher Diagnostics, A Division Of Fisher Scientific Company	63	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
201	U.S. NASA GSFC Wallops Flight Facility	61	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
202	Banker Steel Company, LLC	60	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
203	Commonwealth Chesapeake Power Station	55	3415 White Oak Way	New Church	Accomack	23415CMMNW3415W
204	Degesch America Inc	51	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
205	Bingham & Taylor	48	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
206	Virginia Concrete - Culpeper	44	11454 Quarry Drive	Rapidan	Culpeper	2273WVRGNC11454
207	Stella-Jones Corp	42	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
208	Banker Steel Company, LLC	39	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
209	Carry-On Trailer Corp	38	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
210	Arbortech Forest Products, Inc.	30	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
211	Kyanite Mining Corp Mullite Plant	28	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
212	AFETA Camp Peary	28	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
213	Old Dominion Electric Co-Op Marsh Run Generation Facility	21	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
214	Virginia Paving Company Garrisonville Plant	20	75 Vulcan Quarry Road	Stafford	Stafford	2255WVRGNP75VUL
215	U.S. DoD, USAF, Joint Base Langley Eustis - Langley AFB	20	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
216	Tempur Production USA Inc	20	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
217	American Phoenix Inc	20	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA



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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
218	Blue Ridge Fiberboard	19	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
219	Atlantic Pole & Piling - Newsoms	18	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTECRTE67
220	Utility Trailer Manufacturing Co	18	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
221	Graham-White Manufacturing Co.	17	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
222	Associated Asphalt Roanoke, LLC	16	2677 Roanoke Ave SW	Roanoke	Roanoke (City)	24015SSCTD2677R
223	Old Dominion Electric Co-Op Louisa Generation Facility	16	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
224	Bleachtech LLC	15	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
225	Utility Trailer Manufacturing Co	15	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
226	Associated Asphalt Bristol, LLC	15	140 Spurgeon Ln	Bristol	Bristol (City)	2420WSSCTD1SPUR
227	Trex - Virginia Manufacturing Operations	15	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
228	Murphy-Brown LLC Waverly Feed Mill	11	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
229	Munters Corp	11	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
230	Shamrock Foods Dairy Div	10	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
231	Voestalpine High Performance Metals - South Boston Plant	10	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
232	American Buildings Company-La Crosse	9	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
233	MAAG Gala, Inc.	8	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
234	Sun Chemical Corp	8	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
235	Shearers Food LLC	7	1445 Pittstown Road	Bristol	Washington	2420WSHRRS1445P
236	Kensing LLC	6	914 E Randolph Rd	Hopewell	Hopewell (City)	2386WKNSNG914ER
237	US Coast Guard Base Portsmouth	5	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
238	Safety-Kleen Systems Manassas (Man)	5	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
239	Trelleborg Marine Systems North America Inc.	5	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
240	Metalsa Roanoke Inc.	5	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
241	Munters	5	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
242	Altec Industries, Inc.	4	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
243	Associated Asphalt Hopewell LLC	3	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
244	Boxley Lynchburg Asphalt Plant	3	3535 John Capron Rd	Lynchburg	Lynchburg (City)	2450WBXLYL3535J
245	Ruffin Creek Properties LLC	3	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
246	Boxley Salem Asphalt Plant	3	2101 Salem Industrial Dr	Salem	Salem (City)	2415WBXLYS211SA
247	Safety-Kleen Systems Chester (CVA)	2	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
248	Medeco Security Locks Inc.	2	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
249	Pallet One Of Virginia	2	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
250	W&W-Afco Steel LLC	1	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
251	Chantilly Ready Mix Concrete	1	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
252	Amsted Rail Co Inc	1	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
253	Virginia Paving Company	1	23232 Shaw Rd	Sterling	Loudoun	2016WVRGNP2323B
254	Virginia Paving Alexandria Plant	1	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
255	KIK (Virginia) LLC	1	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
256	Safety-Kleen Systems Vinton (ROA)	1	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
257	Ergon Asphalt Partners, LP. - Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
258	Virginia Mirror Co Inc	1	300 S Moss St	Martinsville	Henry	24112VRGNM300MO

Virginia TRI Report – Summary of Data  
from 2022 Facility Reports (issued March 2024)

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
259	US DHS Mt Weather EOC	1	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
260	Intelligent Platforms, LLC	1	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
261	Boar's Head Provisions Co Inc. - Jarratt	1	2230 Wyatts Mill Rd	Jarratt	Greensville	23867BRSHD2230W
262	Taylor & Boody Inc.	1	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
263	ST Tissue LLC	1	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
264	Smyrna Ready Mix Concrete Plant 780 Richmond	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
265	Metal Casting Co	0	15331 Industrial Park Road	Bristol	Washington	2420WMTLCS15331
266	Oldcastle APG Mid-Atlantic Richmond, Va	0	1231 Willis Rd	Richmond	Chesterfield	2323WLDCST1231W
267	Possum Point Power Station	0	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
268	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
269	Wabtec Components	0	655 Fairview Rd	Wytheville	Wythe	24382RQPCR655FA
270	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
271	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE

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Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
272	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
273	Concrete Pipe & Precast LLC-Hanover Pipe Plant	0	10364 Design Rd	Ashland	Hanover	2300WMRCST135DE
274	Everbrite LLC	0	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
275	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
276	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
277	Concrete Pipe & Precast LLC-Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
278	BAE Systems Information & Electronic Systems Integration I	0	9300 Wellington Rd	Manassas	Prince William	20110BSYSN9300W
279	Greystone of Virginia Inc	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
280	Branscome-Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
281	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
282	Darbytown Power Station	0	6001 Fergus Blvd	Henrico	Henrico	2323WDRBYT61FER
283	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
284	Frank Chervan Incorporated	0	2005 Greenbrier Ave Se	Roanoke	Roanoke (City)	24013HKRFR2005G

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
285	Hexatronic Rochester Cable Inc.	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
286	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
287	Concrete Pipe & Precast LLC-Salem #1 Plant	0	2000 Salem Industrial Dr	Salem	Salem (City)	24153HNSNP2SALE
288	APG Mid-Atlantic - Winchester	0	396 Tyson Drive	Winchester	Frederick	2260WPGMDT396TY
289	Oldcastle APG Mid-Atlantic	0	3900 Shannon St	Chesapeake	Chesapeake (City)	2332WLDCST39SHB
290	US CBP Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
291	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
292	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
293	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
294	Yorktown Power Station	0	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
295	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
296	Titan Virginia Ready-Mix LLC-Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
297	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
298	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
299	Oldcastle Lawn & Garden	0	17554 Washington Hwy	Doswell	Hanover	23047GRDNP17554
300	Oldcastle Lawn And Garden	0	17554 Washington Hwy	Doswell	Hanover	2304WLDCST17554
301	Dominion - Northern Neck Combustion Turbine Station	0	819 Indianfield Rd	Warsaw	Richmond	2257WDMNNN819IN
302	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
303	Manassas Ready Mix Concrete	0	7310 Old Compton Rd	Manassas	Prince William	22110MNSSS731LD
304	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
305	Concrete Pipe & Precast LLC-Harrisonburg Precast Plant	0	210 Stone Spring Rd	Harrisonburg	Rockbridge	2280WVLLYB21STN
306	TCS Materials Hampton 58Th St. Ready-Mix	0	2510 58Th St	Hampton	Hampton (City)	2366WTCSMT25158
307	TCS Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
308	Titan Virginia Ready-Mix LLC-Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
309	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
310	Virginia Concrete - Stephens City	0	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
311	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
312	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
313	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
314	Titan Virginia Ready-Mix LLC-Copperhead Plant	0	9660 Innovation Dr	Manassas	Prince William	2011WTTNVR966IN
315	TCS Materials Gloucester Ready-Mix	0	5248 George Washington Memorial Hwy	Gloucester	Gloucester	2306WTCSMT5248G
316	Mechanicsville Concrete LLC	0	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
317	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA



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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
318	Titan Virginia Ready-Mix LLC-Front Royal Ready-Mix Concrete	0	399 Kelley Dr	Front Royal	Warren	2263WTTNVR399KE
319	Titan Virginia Ready-Mix LLC-Rip Rap Road Plant	0	319 Rip Rap Rd	Hampton	Hampton (City)	2366WTTNVR319RI
320	Oldcastle Apg Mid-Atlantic Milford, Va	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
321	Belvac Production Machinery	0	237 Graves Mill Rd	Lynchburg	Lynchburg (City)	2450WBLVCP237GR
322	Chemetrics LLC	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
323	Gainesville Rmc Facility	0	14505 Lee Highway	Gainesville	Prince William	2015WGNSVL1455L
324	Dowty, A Ge Aerospace Company	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
325	US DoD Warrenton Training Center Station B	0	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
326	US Army Garrison Fort Belvoir	0	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYP943JA
327	Lorton Rmc Plant	0	9420 Gunston Cove Rd	Lorton	Fairfax	2207WCLNLC942GU
328	George Bush Center For Intelligence (CIA)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
329	US Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYPJ24LEE

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
330	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
331	FTG Corp.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
332	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
333	CMC Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
334	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
335	Carry-On Trailer Corp	0	617 Harry Hogan Rd	Callao	Northumberland	22435CRRYN617HA
336	CMC Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
337	JCI Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
338	Griffith Energy Services Inc-Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
339	Toray Plastics (America) Inc	0	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
340	Interbake Foods	0	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
341	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPROUTE
342	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
343	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
344	US DoD, Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
345	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
346	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
347	Cargill Turkey Production LLC	0	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT
348	VPGC LLC Broadway Feedmill	0	410 S Main St	Broadway	Rockingham	22815WMPLRRT42
349	Cargill Meat Solutions Inc	0	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
350	WWF Operating Co	0	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
351	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
352	Masonite Corporation	0	280 Donovan Dr	Stanley	Page	2285WMSNTC28DNV
353	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931INTRNTRROUTE
354	Amelia Lumber Co Inc	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
355	Chemtreat Inc	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
356	Amelia Rmc Plant	0	9921 Old River Dr	Amelia Court House	Amelia	2300WMLRMC9921L
357	Ashland Rmc Plant	0	11340 Virginia Crane Dr	Ashland	Hanover	2300WSHLND1134V
358	Pavestone - Richmond, Va Plant [Newline]	0	16401 International St	Doswell	Hanover	2304WPVSTN1641I
359	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
360	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
361	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
362	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
363	Colonial Chemical Solutions Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
364	Hill Phoenix, Inc.	0	1301 Battery Brooke Pkwy	Richmond	Chesterfield	23237RHRGN1301B
365	Colonial Chemical Solutions, Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	2323WCLNLC254BE
366	Power Distribution Inc.	0	5250 Klockner Dr	Henrico	Henrico	2323WPWRDS525KL
367	Mitsubishi Chemical America Alpolc Division	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
368	Safety-Kleen Systems Chesapeake (CPK)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
369	Chesapeake Energy Center	0	2701 Vepco St	Chesapeake	Chesapeake (City)	23323CHSPK2701V
370	Quikrete - Chesapeake, Va Plant	0	3712 Cook Blvd	Chesapeake	Chesapeake (City)	2332WQKRTC3712C
371	Papco Inc	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
372	Vitesco Technologies USA, LLC	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
373	Marva Maid Dairy	0	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
374	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
375	Sunbelt Forest Products, Inc	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
376	Catalina Cylinders Inc	0	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
377	Boar's Head Provisions Co., Inc. - Petersburg	0	1950 Industry Place	Petersburg	Petersburg (City)	23805BRSHD195IN
378	Mundet-RCI	0	1106 West Roslyn Road	Colonial Heights	Colonial Heights (City)	23834CLNLH1106W
379	Hill Phoenix, Inc.	0	1925 Ruffin Mill Rd	Colonial Heights	Chesterfield	23834HLLPH1925R
380	Eternal Technology Corp	0	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
381	Trident Americas	0	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
382	Mundet-RCI	0	1106 West Roslyn Road	Colonial Heights	Colonial Heights (City)	2383WMNDTX116WE
383	Federal Correctional Complex Petersburg	0	1060 River Rd	Hopewell	Prince George	23860BRFPR16RIV
384	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
385	Farmville RMC Plant	0	10630 Prince Edward Hwy	Prospect	Prince Edward	2396WFRMVL163PR
386	Mennel Milling Co of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B

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### 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
387	Elbit Systems of America - Night Vision LLC	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
388	Tread Corp	0	176 Eastpark Dr	Roanoke	Botetourt	24019VFPNC4520E
389	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
390	Conn-Weld Industries LLC	0	5269 New Bern Road - State Road 682	Dublin	Pulaski	24084CNNWLNEWBE
391	Prochem, Inc	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
392	Conn-Weld Industries, LLC	0	5269 New Bern Road - State Road 682	Dublin	Pulaski	2408WCNNWL5269N
393	Imperial Group Manufacturing Inc	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
394	Nationwide Homes Inc.	0	1100 Rives Rd	Martinsville	Henry	24112NTNWD100RI
395	Quikrete - Martinsville, Va Plant	0	930 Meadowood Trl	Martinsville	Henry	2411WQKRTM93MEA
396	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
397	Fleetwood Homes Of Virginia Inc 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
398	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
399	Lake Region Medical, Inc	0	200 S Yorkshire St	Salem	Salem (City)	24153NBLMT200SY
400	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
401	Novozymes Biologicals Inc	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
402	Lake Region Medical, Inc	0	235 S Yorkshire St	Salem	Salem (City)	2415WNBLMT235SY
403	Qualichem, Inc. Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
404	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
405	Cargill Feed & Nutrition Roanoke	0	1003 Walnut Ave	Vinton	Roanoke	24179STHRN1003W
406	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
407	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
408	Cardinal CG Abingdon	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
409	MXI Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
410	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
411	Heytex-USA	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
412	Hitachi Energy USA Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
413	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
414	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
415	Moog Inc.	0	115 Jack Guynn Dr	Galax	Galax (City)	24333LCTRT115JA

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## 2022 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs.)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
416	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
417	General Dynamics Mission Systems, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
418	Low Moor CT Station	0	9319 Rich Patch Rd	Covington	Alleghany	2442WLWMRC9319R
419	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
420	Mastic Home Exteriors	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90
421	Cerro Fabricated Products LLC	0	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
422	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
423	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
424	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
425	Slocum Adhesives Corp.	0	2500 Carroll Ave	Lynchburg	Lynchburg (City)	2450WSLCMD25CAR
426	Tri Tech Laboratories, LLC	0	1000 Robins Rd	Lynchburg	Lynchburg (City)	2450WTRTCH1RBIN
427	Virginia Metal Treating, Inc.	0	111 Lynchpin Ln	Lynchburg	Lynchburg (City)	2450WVRGNM111LY
428	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
429	Sunbelt Forest Products, Inc	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
430	Quikrete - Pounding Mill, Va Plant	0	288 Quarry Rd	Pounding Mill	Tazewell	2463WQKRTP288QU



**Appendix I-2 - 2022 VA TRI Facility Ranking  
by On-Site Management**

## Appendix I-2

## 2022 Toxics Release Inventory

### APPENDIX I-2 - 2022 VA TRI FACILITY RANKING BY ON-SITE MANAGEMENT

Rank	Facility Name	Total On-Site Management (lbs.)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
1	Honeywell International Colonial Heights Plant	289,332,718	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
2	BAE Systems, Ordnance Systems Inc	39,216,430	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
3	Westrock Virginia Corporation (Entire)	21,379,098	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
4	International Paper Franklin Mill	14,843,450	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
5	Axalta Coating Systems USA LLC- Front Royal Plant	5,876,918	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
6	Perdue Foods LLC - Accomac Processing Plant	5,794,760	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
7	Solenis LLC	3,653,438	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
8	Tyson Farms Inc- Temperanceville	3,289,820	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
9	Ingevity Virginia Corporation	3,289,062	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
10	Westrock CP, LLC	3,269,260	1901 Main St	West Point	King William	23181CHSPK19THM

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## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs.)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
11	George's Chicken LLC	2,580,052	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFR RTE42
12	Wolverine Advanced Materials	2,502,052	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
13	Intertape Polymer Corp	1,980,428	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
14	BWXT Nuclear Operations Group, Inc.	1,882,441	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCCKMTATH
15	Advansix Inc Hopewell Plant	1,839,298	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
16	Eastman Performance Films, LLC - Plant II	1,742,531	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
17	Micron Technology Inc.	1,616,900	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
18	CPFilms, Inc.	1,577,848	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
19	Ascent Chemicals - Danville	1,555,639	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
20	Tyson Farms Inc. - Processing Facility	1,529,515	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
21	Virginia City Hybrid Energy Center	1,415,000	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R

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## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs.)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
22	Arkema Inc	1,316,356	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI
23	Wolverine Advanced Materials	1,147,639	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
24	Trivium Packaging USA Inc	1,073,000	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
25	Celanese Acetate LLC - Celco Plant	962,062	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
26	GP Big Island, LLC	882,900	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
27	Dynax America Corp	881,107	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
28	Mehler Engineered Products	678,490	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
29	VPGC LLC Hinton Facility	601,426	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
30	Koppers Inc (Roanoke)	541,909	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
31	Sterilization Services Of Virginia	507,058	5674 Eastport Blvd	Henrico	Henrico	23231STRLZ5674E
32	Clover Power Station	472,500	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
33	Greif Packaging LLC	420,109	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE

## ***Appendix I-2***

## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs.)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
34	Huber Engineered Woods LLC	409,332	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRT3HW
35	Toray Plastics (America) Inc	389,756	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
36	Blue Ridge Solvents & Coatings	343,222	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
37	WWF Operating Co	329,791	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
38	Volvo Group North America, LLC	322,091	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
39	Georgia-Pacific Wood Products LLC - Brookneal Osb	311,000	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
40	Westrock CP LLC	270,655	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
41	Cargill Meat Solutions Inc	263,942	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
42	Philip Morris USA Park 500 Site	263,254	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
43	Merck Sharp & Dohme LLC	260,583	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
44	George's Foods, LLC. Processing Plant	211,767	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
45	New Market Poultry LLC	207,200	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD

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## **2022 Toxics Release Inventory**

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46	Dupont Specialty Products USA, LLC - Spruance Plant	153,006	5401 Route 1	North Chesterfield	Chesterfield	23234DPNTSUSHIG
47	Pilgrim's Pride Corp Broadway Facility	149,526	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
48	General Shale Brick Inc Plant 35 & 36	146,628	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
49	O'Sullivan Films Inc	143,976	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
50	HP Hood LLC	134,011	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
51	Eastman Performance Films, LLC-Plant 1	112,653	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
52	Alliant Techsystems Operations LLC (New River Energetics)	88,134	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
53	Philip Morris USA Commerce Road Site	83,984	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
54	Cabinetworks Group - Mount Jackson Plant	63,116	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
55	Marvin Composites	56,886	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C

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56	Molson Coors Shenandoah Brewery	52,730	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
57	U.S. Amines (Portsmouth) LLC	49,153	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
58	Reco Biodiesel, LLC	48,777	710 Hospital St	Richmond	Richmond (City)	2321WRCBDS71HSP
59	Marva Maid Dairy	43,598	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
60	Crown Beverage Packaging	42,003	202 Sustainable Way	Ridgeway	Henry	2414WCRWNB22SUT
61	Evonik Industries	41,905	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
62	Glen-Gery Corporation - Lawrenceville Plant	39,645	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
63	Darling Ingredients Inc-Winchester Facility	37,515	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
64	The Lycra Company LLC	36,000	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
65	Cerro Fabricated Products LLC	33,580	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
66	TTM Technologies N.A. LLC.	28,722	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S

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67	Canon Virginia Inc	25,109	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
68	Lake Region Medical, Inc	20,853	200 S Yorkshire St	Salem	Salem (City)	24153NBLMT200SY
69	Catalina Cylinders Inc	19,409	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
70	Shearers Food LLC	13,000	1445 Pittstown Road	Bristol	Washington	2420WSHRRS1445P
71	Howmet Castings & Services Inc	12,984	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
72	Lake Region Medical, Inc	11,691	235 S Yorkshire St	Salem	Salem (City)	2415WNBLMT235SY
73	Westover Dairy	11,206	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
74	Georgia Pacific Wood Products LLC Emporia Plywood	8,600	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
75	Aquatic Co	8,167	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX
76	Menzies Aviation Fueling Operations Wash Dulles International	7,725	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD



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77	Boxley Lynchburg Asphalt Plant	4,777	3535 John Capron Rd	Lynchburg	Lynchburg (City)	2450WBXLYL3535J
78	Boxley Salem Asphalt Plant	4,090	2101 Salem Industrial Dr	Salem	Salem (City)	2415WBXLYS211SA
79	Virginia Transformer Corp	2,200	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
80	Pre Con Inc	1,478	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
81	Virginia Transformer Corp.	1,000	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
82	Kinder Morgan Transmix Company, LLC	976	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
83	Ashland Specialty Ingredients GP	177	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
84	Strongwell Corp Bristol	136	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
85	TCS Materials Hampton 58Th St. Ready-Mix	100	2510 58Th St	Hampton	Hampton (City)	2366WTCSMT25158
86	TCS Materials Newport News	62	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
87	Kensing LLC	55	914 E Randolph Rd	Hopewell	Hopewell (City)	2386WKNSNG914ER
88	Virginia Concrete - Stephens City	45	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES

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89	Strongwell Corp Highlands Div	32	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
90	Ergon Asphalt Partners, LP. - Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
91	BAE Systems Information & Electronic Systems Integration I	0	9300 Wellington Rd	Manassas	Prince William	20110BSYSN9300W
92	Titan Virginia Ready-Mix LLC- Copperhead Plant	0	9660 Innovation Dr	Manassas	Prince William	2011WTTNVR966IN
93	US DHS MT Weather EOC	0	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
94	Chemetrics LLC	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
95	Chantilly Ready Mix Concrete	0	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
96	Gainesville Rmc Facility	0	14505 Lee Highway	Gainesville	Prince William	2015WGNSVL1455L
97	Superior Concrete Materials Inc. - Dulles	0	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
98	Virginia Concrete Co Inc-Chantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T

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99	Virginia Concrete Gainesville Plant	0	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
100	Dowty, A GE Aerospace Company	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
101	Titan Virginia Ready-Mix LLC- Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
102	Virginia Paving Company	0	23232 Shaw Rd	Sterling	Loudoun	2016WVRGNP2323B
103	Titan Virginia Ready-Mix LLC- Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
104	Virginia Concrete Cochran Mill	0	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
105	US DoD Warrenton Training Center Station B	0	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
106	Possum Point Power Station	0	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
107	Titan Virginia Ready-Mix LLC- Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
108	Titan Virginia Ready-Mix LLC- Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C

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109	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
110	Motiva Fairfax Terminal	0	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
111	Virginia Concrete Falls Church Plant	0	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
112	US Army Garrison Fort Belvoir	0	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA
113	Lorton Rmc Plant	0	9420 Gunston Cove Rd	Lorton	Fairfax	2207WCLNLC942GU
114	Superior Concrete Materials Inc. - Lorton	0	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
115	George Bush Center For Intelligence (CIA)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
116	Manassas Ready Mix Concrete	0	7310 Old Compton Rd	Manassas	Prince William	22110MNSSS731LD
117	Safety-Kleen Systems Manassas (Man)	0	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
118	US Marine Corps Base Quantico	0	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
119	U.S. DOJ FBI Training Academy	0	Mcb-4 Building 15-Fmu	Quantico	Stafford	22135SDJFBMCB4B

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120	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
121	Virginia Concrete Edsall Road Plant	0	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
122	Sicpa Securink Corp	0	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
123	Virginia Concrete Dulles Plant	0	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
124	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
125	Allied Aviation Fueling Co Inc	0	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
126	Virginia Concrete Shirlington Plant	0	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
127	Pentagon Reservation	0	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
128	US Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYJ24LEE
129	Virginia Paving Alexandria Plant	0	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
130	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
131	FTG Corp.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
132	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM

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133	Oldcastle Precast Inc	0	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
134	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
135	CMC Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
136	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
137	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
138	Virginia Concrete Spotsylvania Plant	0	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
139	US Army Fort AP Hill Garrison (Part)	0	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
140	Carry-On Trailer Corp	0	617 Harry Hogan Rd	Callao	Northumberland	22435CRRYN617HA
141	CMC Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
142	Hoover Treated Wood Products, Inc	0	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
143	JCI Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
144	Oldcastle Apg Mid-Atlantic Milford, Va	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326

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145	Carry-On Trailer Corp	0	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
146	Omega Protein Corporation	0	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
147	Virginia Concrete-Stafford Plant	0	32 Wyche Rd	Stafford	Stafford	2255WVRGNC32WYC
148	Virginia Paving Company Garrisonville Plant	0	75 Vulcan Quarry Road	Stafford	Stafford	2255WVRGNP75VUL
149	Stella-Jones Corp	0	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
150	Dominion - Northern Neck Combustion Turbine Station	0	819 Indianfield Rd	Warsaw	Richmond	2257WDMNNN819IN
151	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
152	Kingspan Insulation LLC	0	200 Kingspan Way	Winchester	Frederick	22601MCFMPROUTE
153	APG Mid-Atlantic - Winchester	0	396 Tyson Drive	Winchester	Frederick	2260WPGMDT396TY
154	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
155	Evolve Stone LLC	0	200 Lenoir Drive	Winchester	Frederick	2260WVLVST2LENI

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156	Griffith Energy Services Inc- Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
157	Trelleborg Marine Systems North America Inc.	0	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
158	O-N Minerals (Chemstone) Winchester Lime Plant	0	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
159	Titan Virginia Ready-Mix LLC- Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
160	US CBP Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
161	RPS Composites Virginia, Inc.	0	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
162	Interbake Foods	0	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
163	Titan Virginia Ready-Mix LLC- Front Royal Ready-Mix Concrete	0	399 Kelley Dr	Front Royal	Warren	2263WTTNVR399KE



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164	Fisher Diagnostics, A Division Of Fisher Scientific Company	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
165	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPROUTE
166	Hexatronic Rochester Cable Inc.	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
167	Cabinetworks Group - Culpeper Plant	0	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
168	Bingham & Taylor	0	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
169	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
170	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
171	Fiberglass Engineering Co	0	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
172	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
173	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
174	US DoD, Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S

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175	Virginia Concrete - Culpeper	0	11454 Quarry Drive	Rapidan	Culpeper	2273WVRGNC11454
176	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
177	DRIV	0	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
178	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
179	Cargill Turkey Production LLC	0	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT
180	Concrete Pipe & Precast LLC- Harrisonburg Precast Plant	0	210 Stone Spring Rd	Harrisonburg	Rockbridge	2280WVLLYB21STN
181	VPGC LLC Broadway Feedmill	0	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
182	Darling Ingredients Inc Linville Facility	0	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
183	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
184	Masonite Corporation	0	280 Donovan Dr	Stanley	Page	2285WMSNTC28DNV
185	Intelligent Platforms, LLC	0	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N

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186	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
187	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTRROUTE
188	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
189	Old Dominion Electric Co-Op Louisa Generation Facility	0	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
190	Amelia Lumber Co Inc	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
191	Chemtreat Inc	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
192	Doswell Lp	0	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
193	South Atlantic Galvanizing LLC	0	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
194	Commonwealth Galvanizing	0	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
195	Amelia Rmc Plant	0	9921 Old River Dr	Amelia Court House	Amelia	2300WMLRMC9921L
196	Concrete Pipe & Precast LLC- Hanover Pipe Plant	0	10364 Design Rd	Ashland	Hanover	2300WMRCST135DE

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197	Ashland RMC Plant	0	11340 Virginia Crane Dr	Ashland	Hanover	2300WSHLND1134V
198	Concrete Pipe & Precast LLC- Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
199	Oldcastle Lawn & Garden	0	17554 Washington Hwy	Doswell	Hanover	23047GRDNP17554
200	Oldcastle Lawn And Garden	0	17554 Washington Hwy	Doswell	Hanover	2304WLDCST17554
201	Pavestone - Richmond, Va Plant [Newline]	0	16401 International St	Doswell	Hanover	2304WPVSTN1641I
202	TCS Materials Gloucester Ready-Mix	0	5248 George Washington Memorial Hwy	Gloucester	Gloucester	2306WTCSMT5248G
203	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
204	Mechanicsville Concrete LLC- Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
205	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
206	IR Engraving LLC	0	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L

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207	Southern Graphic Systems LLC	0	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
208	Greystone Of Virginia Inc	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
209	Owens-Brockway Glass Container Inc Plant 26	0	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
210	Ball Metal Beverage Container Corp	0	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
211	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
212	Anheuser-Busch LLC	0	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
213	U.S Navy Cheatham Annex Base	0	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
214	AFETA Camp Peary	0	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
215	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
216	Ennis-Flint Richmond	0	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
217	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C

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218	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
219	Brenntag Mid-South, Inc.	0	738 Goodes St	Richmond	Richmond (City)	2322WBRNNT738GD
220	Mechanicsville Concrete LLC- Airport Plant (Oakleys Lane)	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
221	Smyrna Ready Mix Concrete Plant 780 Richmond	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
222	Mondelez Global LLC	0	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
223	UPACO Adhesives Inc	0	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
224	Carpenter Co Richmond Plant	0	2400 Richmond Hwy	Richmond	Richmond (City)	23234RCRPN2400J
225	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
226	Bellwood Printing Plant	0	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
227	Veolia James River Plant	0	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
228	Colonial Chemical Solutions Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B

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## ***2022 Toxics Release Inventory***

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229	Hill Phoenix, Inc.	0	1301 Battery Brooke Pkwy	Richmond	Chesterfield	23237RHRGN1301B
230	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
231	Novelis Alr Rolled Products Inc	0	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
232	Colonial Chemical Solutions, Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	2323WCLNLC254BE
233	Dupont Teijin Films Spruance	0	5401A Route 1	Richmond	Chesterfield	2323WDPNTT541AR
234	Darbytown Power Station	0	6001 Fergus Blvd	Henrico	Henrico	2323WDRBYT61FER
235	Oldcastle APG Mid-Atlantic Richmond, Va	0	1231 Willis Rd	Richmond	Chesterfield	2323WLDCST1231W
236	Mechanicsville Concrete LLC	0	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
237	Power Distribution Inc.	0	5250 Klockner Dr	Henrico	Henrico	2323WPWRDS525KL
238	US Defense Logistics Agency Defense Supply Center Richmond	0	6090 Strathmore Rd	Richmond	Chesterfield	23297DFNSG8000J

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239	Mitsubishi Chemical America Alpollic Division	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
240	Safety-Kleen Systems Chesapeake (CPK)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
241	U.S/ Navy Naval Support Activity Northwest Annex Base	0	1320 NW Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
242	Chesapeake Energy Center	0	2701 Vepco St	Chesapeake	Chesapeake (City)	23323CHSPK2701V
243	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
244	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
245	American Gfm Corp	0	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
246	Perdue Agribusiness LLC - Chesapeake Va	0	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
247	Oldcastle Apg Mid-Atlantic	0	3900 Shannon St	Chesapeake	Chesapeake (City)	2332WLDCST39SHB



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248	Quikrete - Chesapeake, Va Plant	0	3712 Cook Blvd	Chesapeake	Chesapeake (City)	2332WQKRTC3712C
249	U.S. NASA GSFC Wallops Flight Facility	0	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
250	Commonwealth Chesapeake Power Station	0	3415 White Oak Way	New Church	Accomack	23415CMMNW3415W
251	Smithfield Fresh Meats Corp Smithfield, Va Facility	0	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
252	Cameron Chemical Inc.	0	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
253	Airgas Specialty Products Inc., Suffolk, Va	0	105 Dill Rd	Suffolk	Suffolk (City)	2343WRGSSP15DIL
254	Stihl Inc	0	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
255	US Navy Joint Expeditionary Fort Story Range	0	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD

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256	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
257	US Navy Naval Air Station Oceana Base	0	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
258	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	0	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
259	Papco Inc	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
260	BAE Systems Norfolk Ship Repair	0	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
261	Capital Concrete Inc.	0	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
262	Titan Virginia Ready-Mix LLC-Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
263	US Navy Naval Station Norfolk	0	1530 Gilbert Street Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
264	US Navy Joint Expeditionary Little Creek Range	0	2600 Tarawa Ct Suite 100	Virginia Beach	Virginia Beach (City)	23521SDDSN2600T
265	Colonna's Shipyard Inc	0	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI

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266	Vitesco Technologies USA, LLC	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
267	Joint Base Langley Eustis-Eustis (Jble-Eustis) Ranges	0	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
268	MICA Co of Canada Inc	0	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
269	Huntington Ingalls Incorporated	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
270	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
271	Branscome-Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
272	Sunbelt Forest Products, Inc	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
273	U.S. DoD, USAF, Joint Base Langley Eustis - Langley AFB	0	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
274	Titan Virginia Ready-Mix LLC-Rip Rap Road Plant	0	319 Rip Rap Rd	Hampton	Hampton (City)	2366WTTNVR319RI
275	Yorktown Power Station	0	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W

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276	US Navy Yorktown Naval Weapons Station Base	0	160 Main Rd.	Yorktown	York	2369WSNVYYRUTE2
277	US Coast Guard Base Portsmouth	0	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
278	US Navy Defense Fuel Support Point Craney Island	0	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
279	U.S. Navy Norfolk Naval Shipyard	0	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
280	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
281	U.S. Army Garrison Fort Gregg-Adams Va - Ranges	0	825 19Th St	Fort Lee	Prince George	23801SRMYC3901A
282	Chaparral (Va) Inc	0	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
283	Dominion Chemical Co Inc	0	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
284	Amsted Rail Co Inc	0	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER

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285	Bleachtech LLC	0	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
286	Boar's Head Provisions Co., Inc. - Petersburg	0	1950 Industry Place	Petersburg	Petersburg (City)	23805BRSHD195IN
287	Ampac Fine Chemicals Virginia LLC	0	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
288	Valmont-Virginia Galvanizing Inc	0	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
289	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
290	US Army National Guard Fort Pickett (Ranges)	0	US PFO Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
291	Arbortech Forest Products, Inc.	0	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
292	Advansix Resins And Chemicals LLC	0	4101 Bermuda Hundred Rd	Chester	Chesterfield	23831LLDSG4101B
293	Safety-Kleen Systems Chester (Cva)	0	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
294	Mundet-RCI	0	1106 West Roslyn Road	Colonial Heights	Colonial Heights (City)	23834CLNLH1106W

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295	Hill Phoenix, Inc.	0	1925 Ruffin Mill Rd	Colonial Heights	Chesterfield	23834HLLPH1925R
296	Church & Dwight Co Inc	0	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
297	Sun Chemical Corp	0	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
298	Eternal Technology Corp	0	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
299	Chesterfield Power Station	0	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
300	Trident Americas	0	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
301	Mundet-RCI	0	1106 West Roslyn Road	Colonial Heights	Colonial Heights (City)	2383WMNDTX116WE
302	Arkema Inc Franklin Plant	0	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
303	Steelfab Inc, Of Virginia	0	1510 Reese St	Emporia	Greensville	23847STFBF1510R
304	Solenis LLC	0	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
305	ST Tissue LLC	0	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
306	Federal Correctional Complex Petersburg	0	1060 River Rd	Hopewell	Prince George	23860BRFPR16RIV

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307	Boar's Head Provisions Co Inc. - Jarratt	0	2230 Wyatts Mill Rd	Jarratt	Greensville	23867BRSHD2230W
308	Associated Asphalt Hopewell LLC	0	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
309	Atlantic Pole & Piling - Newsoms	0	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTECRTE67
310	Nucor Insulated Panel Group	0	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
311	Murphy-Brown LLC Waverly Feed Mill	0	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
312	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
313	Pallet One of Virginia	0	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
314	Kyanite Mining Corp Mullite Plant	0	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
315	Virginia Marble Manufacturers Inc	0	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
316	Virginia Marble Manufacturers Inc	0	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
317	American Buildings Company-La Crosse	0	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
318	Farmville RMC Plant	0	10630 Prince Edward Hwy	Prospect	Prince Edward	2396WFRMVL163PR

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319	Morgan Lumber Company, Inc.	0	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
320	Chemsolv Inc	0	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
321	Frank Chervan Incorporated	0	2005 Greenbrier Ave Se	Roanoke	Roanoke (City)	24013HKRFR2005G
322	Akzo Nobel Coatings Inc	0	2837 Roanoke Ave SW	Roanoke	Roanoke (City)	24015RLNCN2837R
323	Associated Asphalt Roanoke, LLC	0	2677 Roanoke Ave SW	Roanoke	Roanoke (City)	24015SSCTD2677R
324	Steel Dynamics Inc Roanoke Bar Div	0	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
325	Mennel Milling Co Of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
326	Elbit Systems of America - Night Vision LLC	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
327	Metalsa Roanoke Inc.	0	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
328	Tread Corp	0	176 Eastpark Dr	Roanoke	Botetourt	24019VFPNC4520E
329	Eastman Performance Films, LLC-Axton Facility	0	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
330	Federal Mogul Powertrain LLC.	0	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460



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331	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
332	Conn-Weld Industries LLC	0	5269 New Bern Road - State Road 682	Dublin	Pulaski	24084CNNWLNEWBE
333	Mar-Bal, Inc.	0	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
334	MAAG Gala, Inc.	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
335	Prochem, Inc	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
336	Conn-Weld Industries, LLC	0	5269 New Bern Road - State Road 682	Dublin	Pulaski	2408WCNNWL5269N
337	Altec Industries, Inc.	0	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
338	Imperial Group Manufacturing Inc	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
339	Bassett Plant 11	0	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
340	Nationwide Homes Inc.	0	1100 Rives Rd	Martinsville	Henry	24112NTNWD100RI
341	Pine Products Inc	0	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
342	Virginia Mirror Co Inc	0	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
343	Quikrete - Martinsville, Va Plant	0	930 Meadowood Trl	Martinsville	Henry	2411WQKRTM93MEA

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344	Rti Martinsville Inc	0	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
345	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
346	Lhoist NA Of Virginia Inc Kimballton Area 1	0	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
347	Fleetwood Homes Of Virginia Inc 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
348	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
349	Graham-White Manufacturing Co.	0	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
350	Concrete Pipe & Precast LLC-Salem #1 Plant	0	2000 Salem Industrial Dr	Salem	Salem (City)	24153HNSNP2SALE
351	New Millennium Building Systems	0	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
352	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
353	Yokohama Tire Manufacturing Virginia LLC	0	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
354	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
355	Novozymes Biologicals Inc	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH

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356	KIK (Virginia) LLC	0	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
357	Qualichem, Inc Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
358	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
359	Roanoke Cement Co LLC	0	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
360	Safety-Kleen Systems Vinton (Roa)	0	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
361	Cargill Feed & Nutrition Roanoke	0	1003 Walnut Ave	Vinton	Roanoke	24179STHRN1003W
362	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
363	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
364	AZZ Galvanizing-Bristol	0	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
365	W&W-AFCO Steel LLC	0	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
366	Metal Casting Co	0	15331 Industrial Park Road	Bristol	Washington	2420WMTLCS15331
367	Associated Asphalt Bristol, LLC	0	140 Spurgeon Ln	Bristol	Bristol (City)	2420WSSCTD1SPUR

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368	Cardinal CG Abingdon	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
369	HAPCO	0	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
370	MXI Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
371	Tempur Production USA Inc	0	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
372	Joy Global Underground Mining, LLC	0	811 Boone Trail Rd	Duffield	Scott	2424WJYGLB811BN
373	Samuel Son & Company (USA) Inc.	0	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
374	US Penitentiary Lee	0	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
375	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
376	Heytex-USA	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
377	Utility Trailer Manufacturing Co	0	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
378	Hitachi Energy USA Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE

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379	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
380	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
381	Moog Inc.	0	115 Jack Guynn Dr	Galax	Galax (City)	24333LCTRRT115JA
382	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
383	Vaughan-Bassett Furniture Co. Galax	0	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
384	Appalachian Plastics Inc.	0	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
385	Utility Trailer Manufacturing Co	0	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
386	General Dynamics Mission Systems, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
387	Hutchinson Sealing Systems Inc	0	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
388	Wabtec Components	0	655 Fairview Rd	Wytheville	Wythe	24382RQPCR655FA
389	Taylor & Boody Inc.	0	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
390	Modine Manufacturing Co	0	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
391	Everbrite LLC	0	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA

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392	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
393	Low Moor Ct Station	0	9319 Rich Patch Rd	Covington	Alleghany	2442WLWMRC9319R
394	Stella Jones Corp-Goshen Facility	0	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
395	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
396	Mastic Home Exteriors	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90
397	Nibco Of Virginia Inc.	0	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
398	Accutec Blades, Inc.	0	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
399	Ball Advanced Aluminum Technologies Corp	0	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
400	Degesch America Inc	0	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
401	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
402	Shamrock Foods Dairy Div	0	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
403	Slocum Adhesives Corporation	0	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
404	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M

## ***Appendix I-2***

## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs.)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
405	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
406	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
407	Griffin Pipe Products Co	0	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
408	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
409	Davis-Frost Inc	0	3416 Candler's Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
410	Belvac Production Machinery	0	237 Graves Mill Rd	Lynchburg	Lynchburg (City)	2450WBLVCP237GR
411	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
412	Slocum Adhesives Corp.	0	2500 Carroll Ave	Lynchburg	Lynchburg (City)	2450WSLCMD25CAR
413	Tri Tech Laboratories, LLC	0	1000 Robins Rd	Lynchburg	Lynchburg (City)	2450WTRTCH1RBIN
414	Virginia Metal Treating, Inc.	0	111 Lynchpin Ln	Lynchburg	Lynchburg (City)	2450WVRGNM111LY
415	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
416	Sunbelt Forest Products, Inc	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX

## ***Appendix I-2***

## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs.)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
417	Columbia Forest Products	0	100 Paul Rd SW	Chatham	Pittsylvania	24531CLMBF1PAUL
418	Polynt Composites USA Inc.	0	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
419	The Goodyear Tire & Rubber Co.	0	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
420	Blue Ridge Fiberboard	0	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
421	JTI Leaf Services (US) LLC	0	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
422	American Phoenix Inc	0	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
423	Cooper Steel	0	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
424	Munters Corp	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
425	Owens-Brockway Glass Container Inc Plant 29	0	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
426	Voestalpine High Performance Metals - South Boston Plant	0	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
427	Hitachi Energy USA Inc.	0	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
428	Tenaska Virginia Partners Lp	0	2300 Branch Road	Scottsville	Fluvanna	2459WTNSKV23BRA



## ***Appendix I-2***

## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs.)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
429	Quikrete - Pounding Mill, Va Plant	0	288 Quarry Rd	Pounding Mill	Tazewell	2463WQKRTP288QU
430	Jewell Coke Co LP	0	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46

**APPENDIX J-1 - 2022 VA TRI Jurisdiction  
Ranking by On-Site Releases**

**APPENDIX J-1 - 2022 VA TRI JURISDICTION RANKING BY ON-SITE  
RELEASES**

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Release (Pounds)</b>	<b>Total Air Release (Pounds)</b>	<b>Total Land (Pounds)</b>	<b>Total Water Release (Pounds)</b>
1	Montgomery	8,287,424	175,332	2,628	8,109,464
2	Covington (City)	2,790,432	2,261,870	467,026	61,535
3	Hopewell (City)	2,029,111	1,819,900	0	209,211
4	Chesterfield	1,440,933	1,197,259	167,053	76,621
5	Buchanan	1,317,938	1,317,938	0	0
6	Isle Of Wight	1,112,864	1,033,860	0	79,005
7	Hanover	955,158	919,856	0	35,302
8	King William	840,502	786,299	0	54,203
9	Campbell	670,042	79,395	3,763	586,884
10	James City	558,735	558,735	0	0
11	Accomack	528,035	26,151	0	501,884
12	Bedford	460,099	372,559	58,158	29,381
13	Giles	439,839	378,673	7,773	53,393
14	Halifax	399,471	351,138	47,331	1,002
15	Wise	387,030	108,695	278,246	89
16	Chesapeake (City)	386,823	370,548	16,275	0
17	Henry	338,257	338,242	15	0
18	Amherst	328,934	326,399	0	2,535
19	Lynchburg (City)	231,665	231,499	0	167
20	Shenandoah	228,416	45,356	0	183,060
21	Prince William	200,450	52,443	129,104	18,902
22	Rockingham	149,001	17,629	51,429	79,944
23	Pittsylvania	127,492	127,492	0	0
24	Richmond	115,835	115,810	0	26
25	Newport News (City)	106,810	97,302	5,478	4,030
26	Nottoway	103,328	86	103,242	0
27	Botetourt	99,183	98,312	851	20
28	Roanoke	70,923	70,921	0	2
29	Carroll	68,873	68,873	0	0

# Appendix J-1

## 2022 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
30	Frederick	67,887	54,065	13,822	0
31	Washington	67,745	67,658	0	87
32	Augusta	63,339	26,323	0	37,016
33	Pulaski	62,112	62,112	0	0
34	Northumberland	56,354	55,654	0	700
35	Caroline	55,974	598	51,576	3,799
36	Lunenburg	55,118	55,118	0	0
37	Roanoke (City)	37,838	36,553	0	1,285
38	Warren	36,787	36,787	0	0
39	Culpeper	34,599	34,555	0	44
40	Greensville	27,842	27,840	0	2
41	Bristol (City)	27,505	27,505	0	0
42	Norfolk (City)	26,993	25,688	0	1,304
43	Virginia Beach (City)	23,936	13,689	10,094	153
44	Henrico	22,616	22,616	0	0
45	Richmond (City)	19,352	19,349	0	3
46	Southampton	13,726	13,635	4	87
47	Suffolk (City)	12,833	12,818	0	15
48	Fluvanna	10,493	10,493	0	0
49	Loudoun	9,825	8,630	0	1,195
50	York	8,974	82	8,892	0
51	Petersburg (City)	7,860	7,201	0	659
52	Prince George	7,140	6,667	472	0
53	Buckingham	7,009	7,009	0	0
54	Rockbridge	6,929	6,911	0	18
55	Fauquier	6,393	6,393	0	0
56	Portsmouth (City)	4,102	4,060	0	41
57	Winchester (City)	3,307	3,307	0	0
58	Arlington	3,144	2,721	0	423

## Appendix J-1

## 2022 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land Release (Pounds)	Total Water Release (Pounds)
59	Dinwiddie	2,536	1,952	0	584
60	Lee	1,790	0	1,790	0
61	Harrisonburg (City)	1,282	1,282	0	0
62	Hampton (City)	1,187	1,177	0	10
63	Fairfax	1,052	250	0	802
64	Fairfax (City)	1,037	1,037	0	0
65	Wythe	773	773	0	0
66	Scott	520	520	0	0
67	Charlotte	360	25	335	0
68	Brunswick	355	355	0	0
69	Danville (City)	295	295	0	0
70	Franklin	264	264	0	0
71	Stafford	261	186	0	75
72	Spotsylvania	249	2	90	157
73	Falls Church (City)	216	0	0	216
74	Russell	85	68	0	17
75	Westmoreland	38	38	0	0
76	Louisa	16	16	0	0
77	Smyth	15	15	0	0
78	Sussex	11	11	0	0
79	Mecklenburg	11	11	0	0
80	Colonial Heights (City)	8	8	0	0
81	Clarke	5	5	0	0
82	Salem (City)	3	3	0	0
83	Alexandria (City)	1	1	0	0
84	Albemarle	1	1	0	0
85	Buena Vista (City)	0	0	0	0
86	Gloucester	0	0	0	0
87	Alleghany	0	0	0	0
88	Amelia	0	0	0	0

## ***Appendix J-1***

## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Release (Pounds)</b>	<b>Total Air Release (Pounds)</b>	<b>Total Land (Pounds)</b>	<b>Total Water Release (Pounds)</b>
89	Prince Edward	0	0	0	0
90	Bland	0	0	0	0
91	Page	0	0	0	0
92	King George	0	0	0	0
93	Galax (City)	0	0	0	0
94	Madison	0	0	0	0
95	Cumberland	0	0	0	0
96	Patrick	0	0	0	0
97	Tazewell	0	0	0	0

**APPENDIX J-2 - 2022 VA TRI Jurisdiction  
Ranking by On-Site Management**

## APPENDIX J-2 - 2022 VA TRI JURISDICTION RANKING BY ON-SITE MANAGEMENT

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
1	Chesterfield	289,748,978	0	289,332,718	416,260
2	Montgomery	42,954,255	0	30,798,672	12,155,583
3	Covington (City)	24,668,160	0	0	24,668,160
4	Isle Of Wight	14,843,450	0	0	14,843,450
5	Accomack	9,084,580	0	0	9,084,580
6	Warren	6,266,674	0	6,262,198	4,476
7	Pittsylvania	4,852,423	0	4,454,757	397,666
8	Henry	4,153,525	678,490	866,800	2,608,235
9	Suffolk (City)	3,653,438	0	3,644,242	9,196
10	King William	3,269,260	0	0	3,269,260
11	Shenandoah	2,850,368	0	0	2,850,368
12	Campbell	2,193,441	0	760	2,192,681
13	Hopewell (City)	2,152,089	1,098,085	125,148	928,856
14	Rockingham	1,869,765	0	0	1,869,765
15	Prince William	1,616,900	0	0	1,616,900
16	Hanover	1,529,515	0	0	1,529,515
17	Wise	1,415,000	0	0	1,415,000
18	Roanoke (City)	1,073,000	0	0	1,073,000
19	Botetourt	1,029,935	0	2,200	1,027,735
20	Giles	962,062	734,385	0	227,677
21	Halifax	889,999	0	0	889,999
22	Bedford	882,900	175,000	0	707,900
23	Roanoke	599,795	0	542,852	56,943
24	Henrico	507,058	0	0	507,058
25	Amherst	420,109	93,537	0	326,572
26	Franklin	343,222	0	343,222	0
27	Pulaski	322,091	0	0	322,091
28	Frederick	171,571	0	45	171,526
29	Winchester (City)	143,976	0	0	143,976
30	Richmond (City)	133,737	0	48,777	84,960
31	Augusta	69,580	0	0	69,580



## Appendix J-2

## 2022 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
32	Newport News (City)	68,770	0	25,172	43,598
33	Portsmouth (City)	49,153	0	0	49,153
34	Brunswick	39,645	0	0	39,645
35	Salem (City)	36,634	0	4,090	32,544
36	Loudoun	36,447	0	7,725	28,722
37	Hampton (City)	32,493	0	100	32,393
38	Lynchburg (City)	15,983	0	4,777	11,206
39	Washington	13,032	0	0	13,032
40	Greensville	8,600	0	0	8,600
41	Petersburg (City)	1,478	0	0	1,478
42	Bristol (City)	136	0	0	136
43	Albemarle	0	0	0	0
44	Alexandria (City)	0	0	0	0
45	Alleghany	0	0	0	0
46	Amelia	0	0	0	0
47	Arlington	0	0	0	0
48	Bland	0	0	0	0
49	Buchanan	0	0	0	0
50	Buckingham	0	0	0	0
51	Buena Vista (City)	0	0	0	0
52	Caroline	0	0	0	0
53	Carroll	0	0	0	0
54	Charlotte	0	0	0	0
55	Chesapeake (City)	0	0	0	0
56	Clarke	0	0	0	0
57	Colonial Heights (City)	0	0	0	0
58	Culpeper	0	0	0	0
59	Cumberland	0	0	0	0

## Appendix J-2

## 2022 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
60	Danville (City)	0	0	0	0
61	Dinwiddie	0	0	0	0
62	Fairfax	0	0	0	0
63	Fairfax (City)	0	0	0	0
64	Falls Church (City)	0	0	0	0
65	Fauquier	0	0	0	0
66	Fluvanna	0	0	0	0
67	Galax (City)	0	0	0	0
68	Gloucester	0	0	0	0
69	Harrisonburg (City)	0	0	0	0
70	James City	0	0	0	0
71	King George	0	0	0	0
72	Lee	0	0	0	0
73	Louisa	0	0	0	0
74	Lunenburg	0	0	0	0
75	Madison	0	0	0	0
76	Mecklenburg	0	0	0	0
77	Norfolk (City)	0	0	0	0
78	Northumberland	0	0	0	0
79	Nottoway	0	0	0	0
80	Page	0	0	0	0
81	Patrick	0	0	0	0
82	Prince Edward	0	0	0	0
83	Prince George	0	0	0	0
84	Richmond	0	0	0	0
85	Rockbridge	0	0	0	0
86	Russell	0	0	0	0
87	Scott	0	0	0	0
88	Smyth	0	0	0	0
89	Southampton	0	0	0	0
90	Spotsylvania	0	0	0	0
91	Stafford	0	0	0	0
92	Sussex	0	0	0	0

## ***Appendix J-2***

## ***2022 Toxics Release Inventory***

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Management (Pounds)</b>	<b>Total Energy Recovery On-Site (Pounds)</b>	<b>Total Recycled On-Site (Pounds)</b>	<b>Total Treated On-Site (Pounds)</b>
93	Tazewell	0	0	0	0
94	Virginia Beach (City)	0	0	0	0
95	Westmoreland	0	0	0	0
96	Wythe	0	0	0	0
97	York	0	0	0	0