2019 Virginia Toxics Release Inventory Report

Summary of Data from 2019 Industry Reports



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March 2021

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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 Virginia TRI 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, and addresses a variety of handling practices, including releases, recycling, energy recovery, and on- and off-site treatment and disposal. The 2019 TRI data represents the 32nd year of data collection from facilities for distribution to the public.

This year's Virginia TRI Report covers calendar year 2019, which is the most recent year of available data. The report includes all reports and revisions received by DEQ on or before January 5, 2021.

Between 2006 and 2016 there has been an overall decrease in the total amount of TRI reportable chemicals released to the environment of over 44.73 percent as shown in the table in Appendix E.

For calendar year 2019, 425 Virginia facilities filed 1272 individual reports on the release, transfer, or management of TRI chemicals or chemical categories. This was an increase in the number of facilities reporting (423 facilities) and a decrease in the number of reports received (1,322 reports) for calendar year 2018. In 2019, Virginia facilities reported the release, transfer, or management of 135 chemicals and chemical categories, of the more than 650 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 823.37 million pounds of TRI chemicals during calendar year 2019 (a 3.40 percent decrease from 2018).

Of the total of TRI chemicals reported:

- 27.39 million pounds were released on-site (an 3.03 percent decrease from 2018);
- 64.07 million pounds were transferred off-site for treatment, recycling, energy recovery, or disposal (an 3.15 percent decrease from 2018); and
- 731.91 million pounds were managed on-site by treatment, recycling, or energy recovery (a 3.43 percent decrease from 2018).

TRI reports for reporting year 2019 show a decrease in releases to air and land, with an increase 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 2019 decreased by 1.43 million pounds (8.66 percent) compared to 2018.

- The total amount released to water for 2019 increased by 1.69 million pounds (18.46 percent) compared to 2018.
- The total amount released to land for 2019 decreased by 1.11 million pounds (42.80 percent) compared to 2018.

The Virginia TRI 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 2019 PBT reports:

- 250,051 pounds of PBT TRI chemicals were released on-site at reporting Virginia facilities (a 11.52 percent decrease from 2018);
- 1.93 million pounds of PBT TRI chemicals were transferred off-site for treatment, recycling, energy recovery, or disposal (an 86.31 percent increase from 2018); and
- 147,066 pounds of PBT TRI chemicals were managed on-site by treatment, recycling, or energy recovery (a 102.15 percent increase from 2018).

Dioxins and dioxin-like compounds account for 21.70 grams (approximately 0.05 pounds) of the PBT chemicals released, transferred, or managed by Virginia facilities during calendar year 2019.

As required by statute, the Virginia TRI Report also provides information by industrial sector (identified by the North American Industry Classification System), facility, and facility location (jurisdiction). For calendar year 2019, three reporting industrial sectors accounted for 74.12 percent of the total on-site releases to the environment. The top three reporting industrial sectors were: Chemical Manufacturing, Paper Manufacturing, and Primary Metal Manufacturing. 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 Virginia TRI 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.

Executive Summary

2019 Toxics Release Inventory

Information on the permit programs can be found at the following web address: http://www.deq.virginia.gov/Permits.aspx.

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 http://www2.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. 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 2019. 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 (2019) Virginia Facility Reports

Facilities are required to submit their reports for a calendar year by the following July 1st. For example, facilities were required to file their reports on their calendar year 2019 activities on or before July 1, 2019. Therefore, data for calendar year 2019 is the most recent available for the March 2021 report. This TRI Report includes all facility reports and revisions received by DEQ on or before January 5, 2021.

For reporting year 2019, 425 Virginia facilities filed 1242 individual reports on the release or other management of TRI chemicals or chemical categories, compared to 423 facilities and 1,322 reports that were filed for reporting year 2018. Data for all reporting years are available to the public from DEQ.

A digital copy of the current reporting year 2019 TRI report and appendices, as well as reporting years 2011-2018 TRI reports, are available at: https://www.deq.virginia.gov/air/air-quality-planning/superfund-amendments-and-reauthorization-act-sara/toxics-release-inventory

In 2019, Virginia facilities reported the release, transfer, or management of 135 of the more than 650 chemicals and chemical categories, which are subject to TRI reporting requirements.

Changes to the 2019 Virginia TRI Report

Continuing the policy changes which began with the 2002 report, on Dec. 26, 2017, EPA finalized a rule to update the list of NAICS codes reportable to TRI requiring the use of the 2017 NAICS codes reports due on July 1, 2019.

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¹ 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 http://www2.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. 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 http://www.epa.gov/tri/. 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.

Virginia TRI Report – Summary of Data from 2019 Facility Reports (issued March 2021)

² 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 650 chemicals and chemical categories. A complete list of TRI chemicals and chemical categories for calendar year 2019 reports is available to the public on EPA's website at http://www2.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals.

For 2019, Virginia facilities reported the release, transfer, or management of 135 of the more than 650 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, 2019, are provided in Appendix D. Form A has restrictions governing its use.

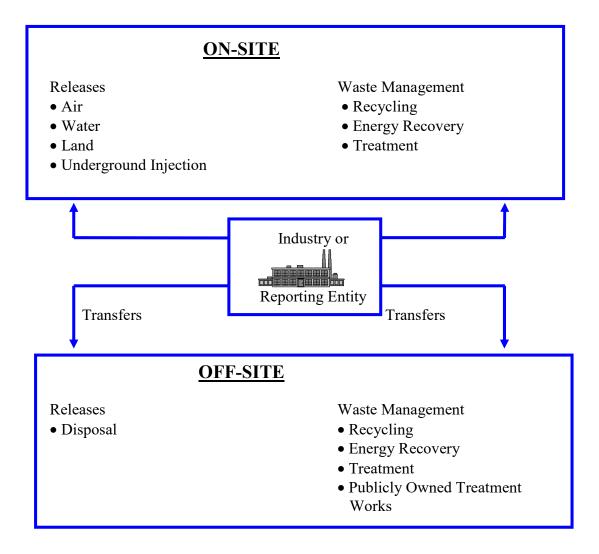
- The TRI Electronic Reporting Rule, effective January 21, 2014, now requires facilities to use EPA's Automated TRI Reporting Software TRI-Made Easy (TRI-ME) to submit the information electronically online via CDX.
- Reports containing trade secrets or revisions to reports previously containing trade 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 Systems (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 2019 show a decrease (3.40 percent) in the amount of TRI chemicals released on-site, transferred off-site and managed on-site from 2018 (see Chapter 4 for the 2017-2019 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 44.73 percent between 2006 and 2016 as shown in the table in Appendix E. A decrease in the amount of TRI chemicals being recycled on-site, TRI chemicals being transferred off-site for other treatment and TRI chemicals being released to the land, and air accounted for the overall decrease in the total amount of TRI chemicals reported in 2019.

Chapter One - 2019 Virginia TRI Data Review

Chapter One describes the 2019 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 2019 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 reaggregate 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 - 2019 Overview and Summary

For calendar year 2019, Virginia facilities reported they released, transferred, or managed approximately 823.37 million pounds of TRI chemicals (see Table 1).

Approximately 27.39 million pounds of TRI chemicals were reported to have been released on-site to the environment. Air releases represented 15.08 million pounds, or 55.05 percent of all the TRI chemicals released on-site in 2019. Releases to the water totaled approximately 10.82 million pounds, or 39.52 percent of the total released on-site. Releases to the land totaled approximately 1.49 million pounds, or 5.43 percent of the total released on-site. For 2019, the amount of TRI chemical releases to the environment represented approximately 3.33 percent 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 64.07 million pounds of TRI chemicals. Off-site transfers to POTWs totaled approximately 17.59 million pounds. Off-site transfers to other (non-POTW) facilities (for treatment, recycling, energy recovery, and disposal) totaled approximately 46.48 million pounds. For 2019, the amount of TRI chemicals transferred off-site represented approximately 7.78 percent of the total for TRI chemicals by this measure.

For 2019 facilities reported that approximately 731.91 million pounds were managed on-site by treatment, recycling, or energy recovery which represents approximately 88.89 percent 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)

Total TRI Chemicals Released On-site to Media, Transferred Off-site, or Managed On-site by Reporting Facilities	823,369,880.59	
Total On-Site Management		731,905,773.83
Energy Recovery On-Site	3,387,634.00	
Recycled On-Site	634,515,966.96	
Treated On-Site	94,002,172.87	
On-Site Management (From Section 8 of Form R) *		
Total Off-Site Transfers		64,072,284.93
Off-Site Transfers for Disposal	3,234,271.39	
Off-Site Transfers for Other Treatment	14,954,022.46	
Off-Site Transfers for Energy Recovery	4,429,693.86	
Off-Site Transfers for Recycling	23,864,739.28	
Total Other Off-Site Transfers		46,482,726.99
(includes metals and metal compounds)		, ,
Publicly Owned Treatment Works (POTWs)		17,589,557.94
Off-Site Transfers By Type (Section 6 of Form R)		27,621,021,0
Total On-Site Releases to Media	,	27,391,821.84
Other Disposal	443,884.44	
Surface Impoundment	57,637.77	
Land Treatment / Application	41,752.50	
Landfills	945,215.62	1,400,490.55
Total Land		1,488,490.33
Total Water	11,912,913.36	10,824,345.62
Fugitive Air Stack Air	3,166,070.30 11,912,915.58	
2.1.1.2.2.2.2.	2 166 070 20	15,078,985.88
On-Site Releases By Media (Section 5 of Form R) Total Air		15 079 095 9

^{*} 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.

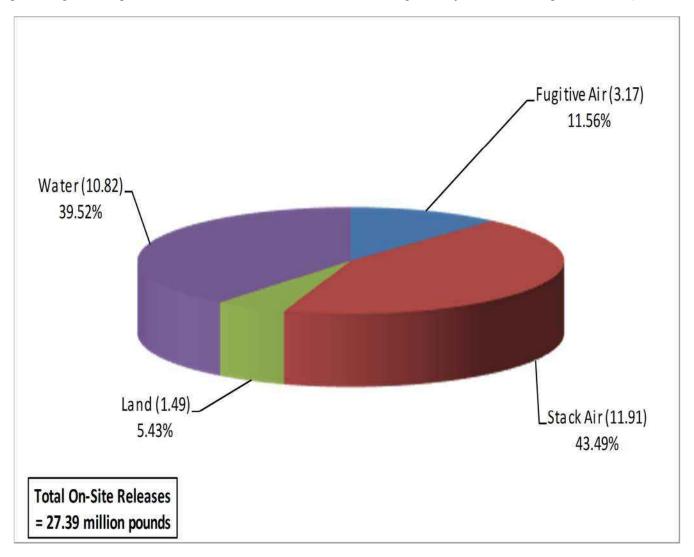
Part Two - On-Site Releases to the Environment

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 27.39 million pounds of TRI chemicals were reported as released into the environment by reporting facilities for reporting year 2019.

Figure 2. On-Site Releases of TRI Chemicals to All Media for Reporting Year 2019 (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 percent figure is the percent of total on-site releases. There were no underground injection releases reported in 2019.)

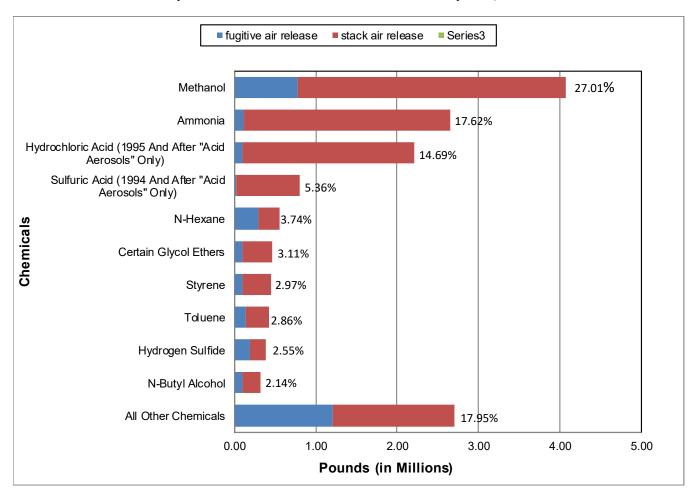


On-Site Releases to the Air

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 15.08 million pounds, which accounted for 55.05 percent of the total on-site releases to all media (air, water, and land). Ten TRI chemicals released to the air made up approximately 82.05 percent of the total reported TRI air emissions in 2019 (See Figure 3). Those 10 chemicals were: methanol, ammonia, hydrochloric acid, sulfuric acid, n-hexane, certain glycol ethers, styrene, toluene, hydrogen sulfide, and n-butyl alcohol. 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.

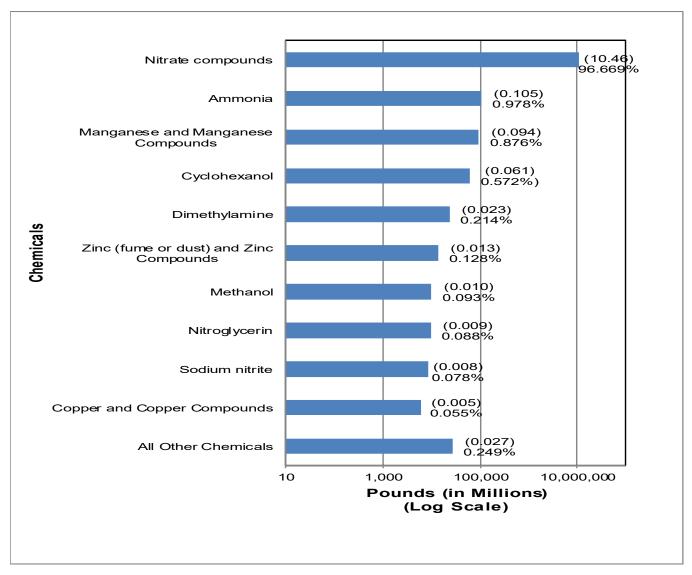
Figure 3. Top 10 TRI Chemicals Released to the Air On-Site in 2019 (From Section 5 of Form R. The number next to each bar is the percent of total air releases for all 2019 chemicals reported.)



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 2019 totaled approximately 10.82 million pounds and accounted for 39.52 percent of all on-site releases to the air, water, and land in 2019. Ten chemicals and chemical categories accounted for more than 99.75 percent of the on-site TRI chemical releases to the water. Those 10 TRI chemicals were: nitrate compounds (96.67 percent of total releases to water), ammonia, manganese and manganese compounds, cyclohexanol, dimethylamine, zinc and zinc compounds, methanol, nitroglycerin, sodium nitrate, and copper and copper compounds. 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 2019 (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 percent of total reported releases to water.)

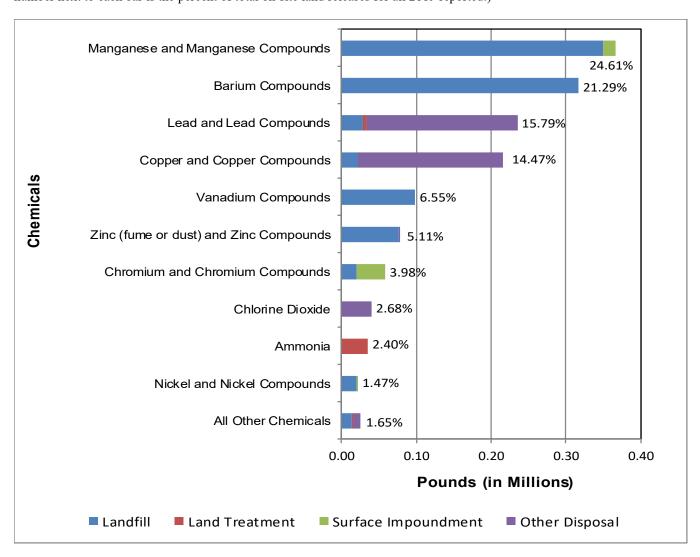


On-Site Releases to the Land

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 2019 was approximately 1.49 million pounds, which accounted for 5.43 percent of all reported on-site TRI releases (releases to the air, water, and land). Ten chemicals constituted approximately 98.35 percent 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, vanadium compounds, zinc and zinc compounds, chromium and chromium compounds, chlorine dioxide, ammonia, and nickel and nickel compounds (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 2019 (From Section 5 of Form R. The number next to each bar is the percent of total on-site land releases for all 2019 reported.)



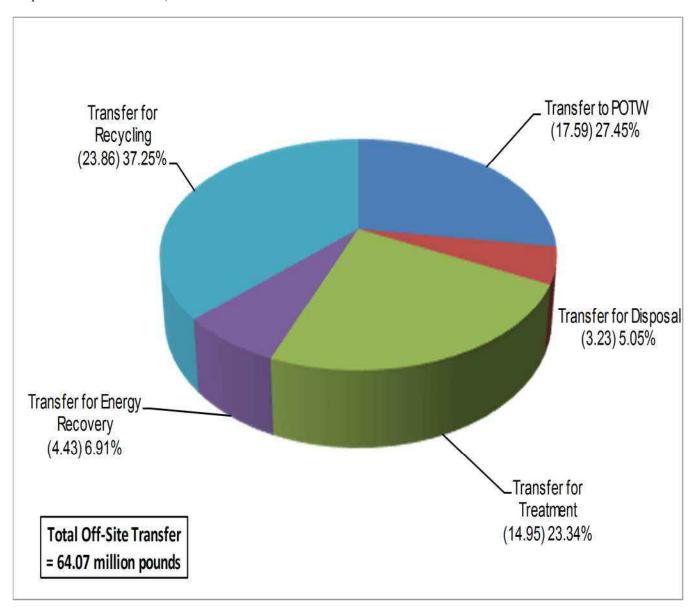
Part Three - Off-Site Transfers

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 2019, approximately 64.07 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 2019 (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 percent figure is the percent of total transfers.)



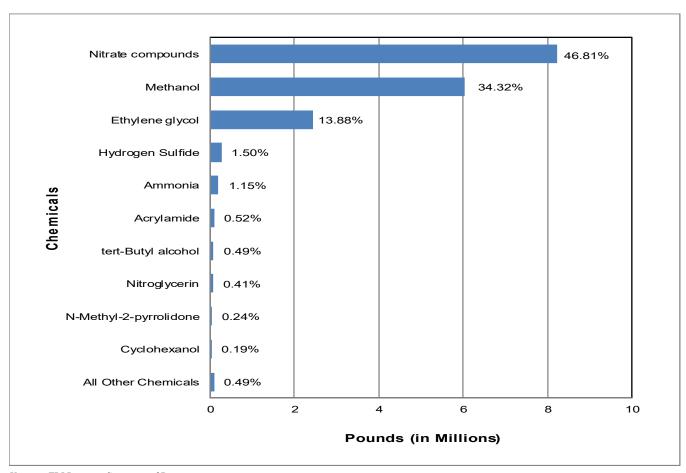
Transfers to Publicly Owned Treatment Works

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 99.51 percent, or 17.50 million pounds of the approximately 17.59 million pounds of TRI chemicals transferred to POTWs in reporting year 2019.

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

Figure 7. Top 10 TRI Chemicals Transferred to Publicly Owned Treatment Works (POTWs) in 2019 (From Section 6.1 of the Form R. The number next to each bar is the percent of total transfers to POTWs.)

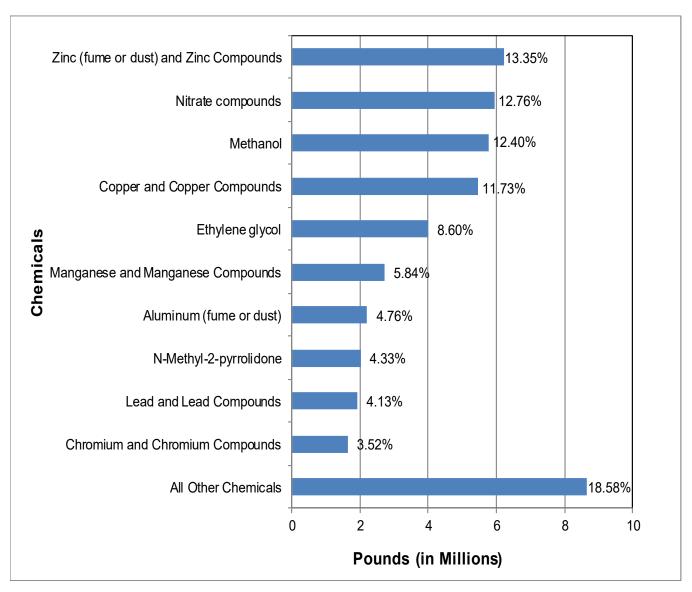


Transfers to Other Off-Site Locations

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 2019, the total amount of TRI chemicals transferred to other off-site locations was approximately 46.48 million pounds. Ten TRI chemicals represented approximately 81.41 percent 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 2019 were: zinc and zinc compounds, nitrate compounds, methanol, copper and copper compounds, ethylene glycol, manganese and manganese compounds, aluminum (fumes or dust), n-methyl-2-pyrrolidone, lead and lead compounds, and chromium and chromium compounds.

Figure 8. Top 10 TRI Chemicals Transferred to Off-Site Locations Other than POTWs in 2019 (From Section 6.2 of the Form R. The number next to each bar is the percent 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 2019 facility reports, 823.37 million pounds of production-related TRI chemicals were released, treated, recycled, or recovered both on-site and off-site from Virginia facilities.

Approximately 88.89 percent of the TRI chemicals were managed on-site and 3.33 percent of the TRI chemicals were released into the environment on-site. About 7.78 percent of the TRI chemicals were transferred off-site to be managed by various means.

Chapter Two - 2019 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 2019, DEQ received 269 reports and revisions for PBT chemicals, out of a total of 1272 TRI reports and revisions (21.65 percent).

Table 2 shows the reporting thresholds for the TRI PBTs. The table also shows that 11 of the 20 PBTs were reported as released, transferred, or managed by facilities in Virginia for reporting year 2019. Appendix G has facility-specific information for PBT chemicals.

Table 2. TRI Reporting Year 2019 Persistent Bio-accumulative Toxic Chemicals - Reporting Thresholds and Number of Reports Received

CAS Number	Chemical /Chemical Category Name	egory Name Reporting Threshold	
309-00-2	Aldrin	100 lbs.	0
191-24-2	Benzo(g,h,i)perylene	10 lbs.	20
57-74-9	Chlordane	10 lbs.	1
N150	Dioxin and Dioxin-Like Compounds	0.1 gram	15
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.	96
N420	Lead Compounds	100 lbs.	83
7439-97-6	Mercury	10 lbs.	4
N458	Mercury Compounds	10 lbs.	17
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.	30
79-94-7	Tetrabromobisphenol A (TBBPA)	100 lbs.	0
8001-35-2	Toxaphene	10 lbs.	0
1582-09-8	Trifluralin	100 lbs.	0

Table 3 provides an overview and summary of 2019 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	Dioxin and Dioxin-Like		Other PBT chemicals	
	Compounds for the		in amounts for the year	
(Section 5 of Form R)	Grams (g)	Pounds (lbs)	Pounds (lbs)	
Total Air	8.07	1.78E-02	12,472.37	
Fugitive Air	0.02	5.31E-05	2,211.57	
Stack Air	8.04	1.77E-02	10,260.80	
Water	1.22	2.68E-03	1,869.47	
Land	1.09	2.41E-03	235,709.21	
Total On-Site Releases to Media	10.38	2.29E-02	250,051.05	
Off-Site Transfers By Type				
(Section 6 of Form R)				
Publicly Owned Treatment Works (POTWs)	0.00	0.00E+00	589.23	
(includes metals and metal compounds)				
Total Other Off-Site Transfers	11.32	2.50E-02	1,931,036.41	
Off-Site Transfers for Recycling	0.00	0.00E+00	1,838,806.08	
Off-Site Transfers for Energy Recovery	0.00	0.00E+00	0.81	
Off-Site Transfers for Other Treatment	0.00	0.00E+00	2,474.52	
Off-Site Transfers for Disposal	11.32	2.50E-02	89,754.99	
Total Off-Site Transfers	11.32	2.50E-02	1,931,625.63	
ON-SITE MANAGEMENT				
(Section 8 of Form R)				
Treated On-Site	0.00E+00	0.00E+00	8.10	
Recycled On-Site	0.00E+00	0.00E+00	147,058.30	
Energy Recovery On-Site	0.00E+00	0.00E+00	0.00	
Total On-Site Management	0.00E+00	0.00E+00	147,066.40	
Total PBT Chemicals Released On-site, Transferred Off-site, and Managed On-site by Reporting Facilities	21.70	0.05	2,328,743.09	

^{*} 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 (250,051 pounds) was approximately 0.91 percent of the total TRI chemicals released on-site to the environment. The reported PBTs managed on-site (147,066 pounds) were less than one percent (0.02 percent) of the total TRI chemicals managed on-site. The reported PBTs transferred off-site for treatment, recycling, energy recovery, or disposal (1.93 million pounds) were approximately 3.01 percent of the total TRI chemicals transferred off-site. In 2018, the previous reporting year, the on-site releases of PBT contributed to 1.03 percent of the total releases, 0.01 percent of on-site management, and 1.93 percent 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 twelve PBT chemicals reported by Virginia facilities is provided in Table 4.

Table 4. Reporting Year 2019 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.)

Chemical Name	Released On- Site (in pounds)	Transferred Off- Site (in pounds)	Managed On- Site (in pounds)
	Site (in pounds)	Site (in pounds)	Site (in pounds)
Benzo(g,h,i)perylene	12.38	669.85	2,754.10
Chlordane	0.00	2.50	0.00
Dioxin and Dioxin-Like	0.02	0.02	0.00
Compounds			
Heptachlor	0.00	100.00	0.00
Lead	89,872.66	1,404,071.51	0.00
Lead Compounds	158,263.04	517,425.00	0.00
Mercury	2.66	1,409.13	0.00
Mercury Compounds	713.02	133.61	0.00
Methoxychlor	0.00	100.00	0.00
Polychlorinated biphenyls	0.00	122.42	0.00
Polycyclic aromatic compounds	1,187.28	7,591.61	144,312.30
(PACs)			
Total for all 12	250,051.08	1,931,625.66	147,066.40
chemical/categories			

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 (99.23 percent) 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 2019

	Activities Reported						
Chemical Name	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	2	9	1	2	4	0	4
Chlordane	0	1	0	0	0	0	0
Dioxin and Dioxin- Like Compounds	22	1	0	3	0	0	0
Heptachlor	0	1	0	0	0	0	0
Lead	0	66	22	3	3	6	1
Lead Compounds	6	35	11	11	10	2	11
Mercury	0	2	1	0	1	0	0
Mercury Compounds	0	5	0	3	3	1	5
Methoxychlor	0	1	0	0	0	0	0
Polychlorinated biphenyls	0	0	1	0	0	0	0
Polycyclic aromatic compounds (PACs)	4	9	3	5	8	0	3
Total for all 11 chemicals/categories	34	130	39	27	29	9	24

Table 5 shows "processing only" was the most frequently reported activity (130) involving PBT chemicals. "Processing only" was followed by "otherwise use only" (39) and "manufacturing only" (34).

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

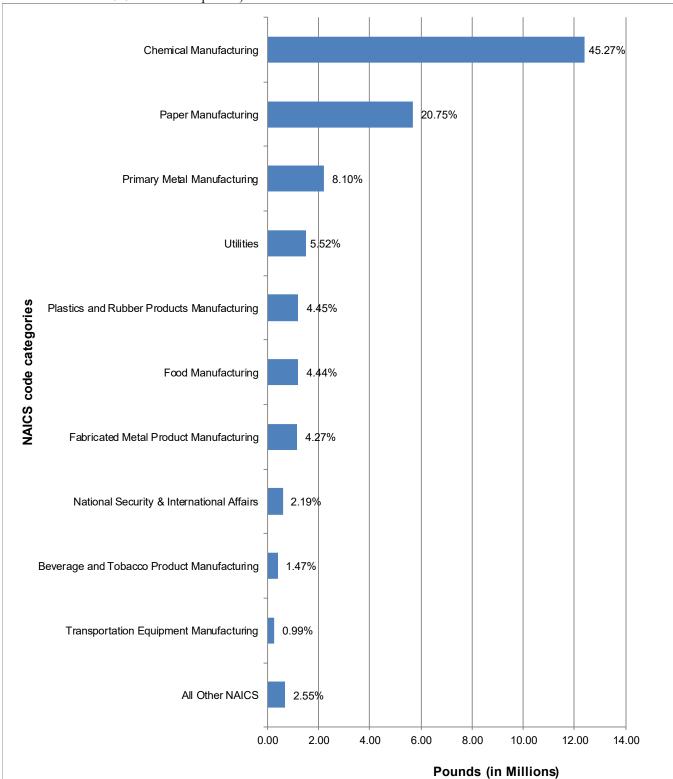
Industrial Sectors Reporting On-Site Releases of TRI Chemicals

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 2019, based on the primary North American Industrial Classification System (NAICS) Code, were: chemical manufacturing; paper manufacturing; and primary metal manufacturing. These three sectors contributed to 74.12 percent of the total on-site releases to the environment. The remaining top 10 industrial sectors for 2019 were: utilities, plastics and rubber manufacturing, food manufacturing, fabricated metal product 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.

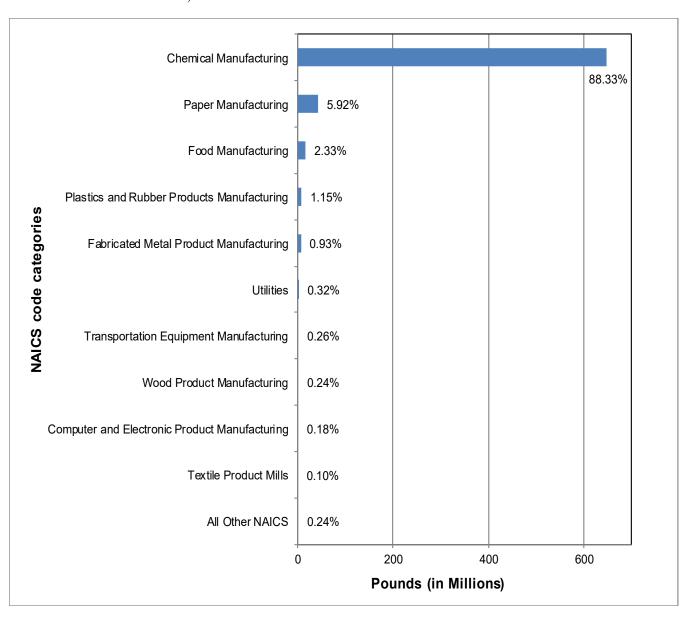
Figure 9. Top 10 Reporting Industrial Sectors (based on NAICS codes) Releasing TRI Chemicals On-Site in Virginia for 2019 (From Section 5 of the Form R. The number next to each bar is the percent of total onsite releases for all 2019 chemicals reported.)



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 2019 based on the primary NAICS Code were: chemical manufacturing, paper manufacturing, and food manufacturing. These three sectors contributed to 96.57 percent of the total of on-site management of TRI chemicals. The remaining top 10 industrial sectors for 2019 were: plastics and rubber manufacturing, fabricated metal products manufacturing, utilities, transportation equipment manufacturing, wood product manufacturing, computer and electronics 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 2019 (From Section 8 of the Form R. The number next to each bar is the percent total of on-site management for all 2019 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

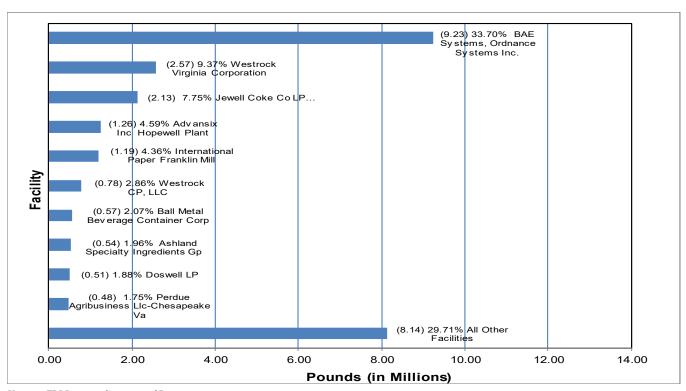
Virginia facilities that reported the highest contributions to the on-site release of TRI chemicals to the air (fugitive and stack), water, and land in 2019 were:

- 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
- Westrock CP, LLC West Point, King William County
- Ball Metal Container Corporaton City of Williamsburg
- Ashland Specialty Ingredients Corporation City of Hopewell
- Doswell L.P. Hanover County
- Perdue Agribusiness LLC City of Chesapeake

These facilities accounted for 70.29 percent (19.25 million pounds) of all reported TRI releases for 2019. Of the 10 facilities three are paper manufacturing facilities; three are chemical manufacturing facilities; one is a food processing facility, one is a metal can 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 2019. See Appendix I-1 for a complete ranking of on-site releases by facility.

Figure 11. 2019 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 percent of total on-site releases for all 2019 chemicals reported for each facility.)



Facilities Reporting On-Site Management of TRI Chemicals

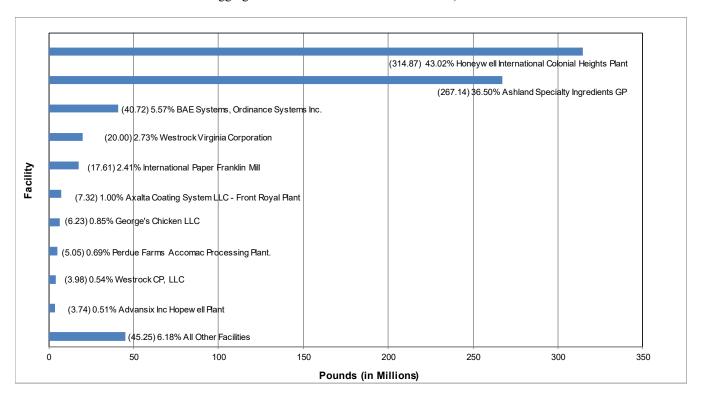
Figure 12 shows the 10 Virginia facilities reporting management of the greatest quantity of TRI chemicals on-site in 2019 other than releases. These facilities were:

- Honeywell International Colonial Heights Plant City of Colonial Heights
- Ashland Specialty Ingredients GP City of Hopewell
- 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
- George's Chicken LLC Edinburg, Shenandoah County
- Perdue Farms Accomack Processing Plant Accomack County
- Westrock CP, LLC West Point, King William County
- Advansix Inc. Hopewell Plant City of Hopewell

These facilities accounted for approximately 93.82 percent (686.66 million pounds) of all reported onsite management (other than releases) in 2019.

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 a food manufacturing facilities. See Appendix I-2 for a ranking of on-site management by facility.

Figure 12: 2019 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 percent 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

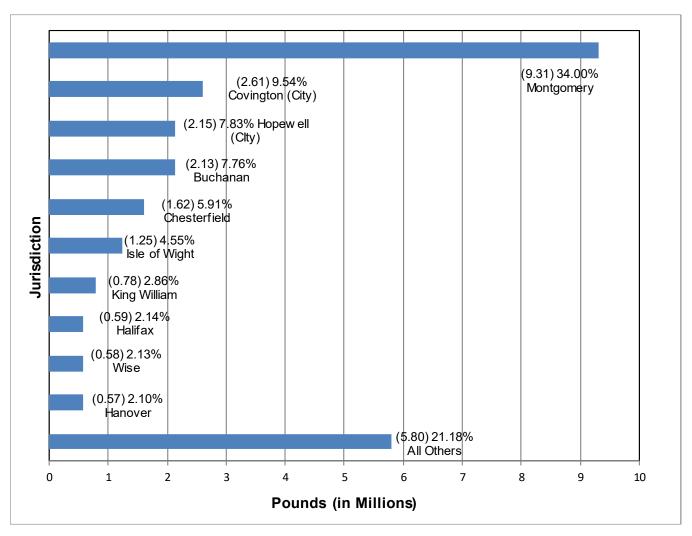
Jurisdictions with Facilities Reporting On-Site Releases of TRI Chemicals

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 2019 were: Montgomery County, City of Covington, City of Hopewell, Buchanan County, Chesterfield County, Isle of Wight County, King William County, Halifax County, Wise County, and Hanover County.

The reported on-site releases occurring within these jurisdictions comprised 78.82 percent (21.59 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. 2019 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 percent of the total on-site releases for each jurisdiction.)

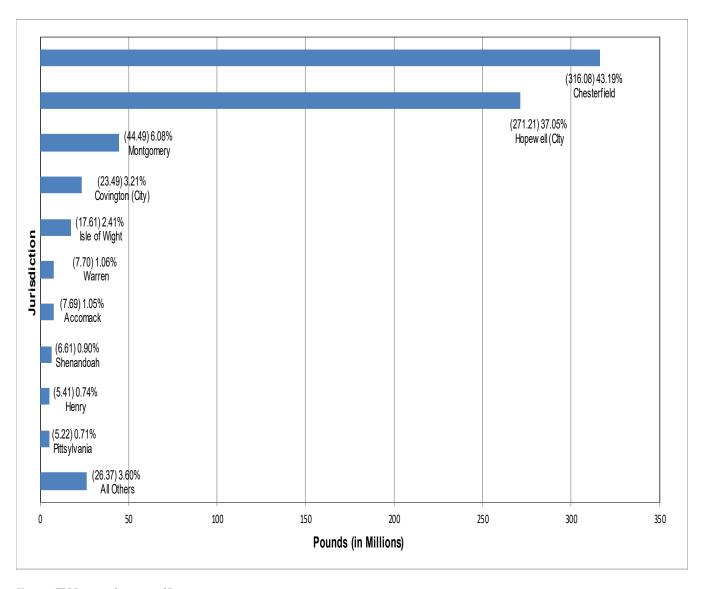


Jurisdictions with Facilities Reporting Other On-site Management of TRI Chemicals

The Virginia jurisdictions with facilities having the largest total reportable TRI chemicals managed on-site (other than releases) were: Chesterfield County, City of Hopewell, Montgomery County, City of Covington, Isle of Wight County, Warren County, Accomack County, Shenandoah County, Henry County, and Pittsylvania County. The on-site management of these chemicals in these jurisdictions comprised 96.39 percent (705.53 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. 2019 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 percent 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.³

Nevertheless, reporting years 2017, 2018, and 2019 are generally comparable and Chapter Four presents data for those three years. All revisions for these reporting years received on or before January 5, 2021, have been incorporated.

Table 6 compares TRI data for reporting years 2017 to 2019 by type of release, transfer, and on-site management.

For reporting year 2019 the total amount of on-site releases shows a decrease from the corresponding amount for reporting year 2018, off-site transfers decreased, and on-site management decreased from the corresponding amounts for reporting year 2018. From 2018 to 2019 the total TRI chemicals released on-site, transferred off-site, or managed on-site decreased by 3.40 percent.

Table 6 shows the changes with respect to on-site releases from reporting year 2018 to 2019, including an 8.66 percent decrease in on-site releases to air, an 18.46 percent increase in on-site releases to water, and a 42.80 percent decrease in on-site releases to land. There was an overall decrease of 3.03 percent for on-site releases from 2018 to 2019.

The overall quantities of TRI chemicals transferred off-site for further management or disposal decreased by 3.15 percent from 2018 to 2019. With respect to off-site transfers, Table 6 shows a 13.40 percent decrease in TRI chemicals being transferred off site for other treatment and a 25.91 percent increase in TRI chemicals being transferred off-site for energy recovery from 2018 to 2019.

Table 6 also shows that the on-site management of TRI chemicals through treatment, recycling, or energy recovery decreased in 2019. The 2019 report data show an increase in on-site energy recovery by 4.20 percent, a decrease in on-site recycling by 2.56 percent, and a 9.15 decrease in on-site treatment. The overall quantities of TRI chemicals managed on-site decreased by 3.43 percent for 2019.

Longer term trends can be seen in the last column of Table 6. Over three years, on-site releases of TRI chemicals decreased by 11.06 percent, off-site transfers increased by 5.28 percent, and on-site management decreased by 9.73 percent. From 2017 through 2019, Virginia facilities reported an 8.77 percent decrease in the release, transfer, or other management of TRI chemicals.

³ The information in Appendix E is historical and is for general comparison purposes only. Virginia TRI Report – Summary of Data from 2019 Facility Reports (issued March 2021)

TRI – Chapter Four

2019 Toxics Release Inventory

Table 6. Comparison Summary Data by Type of Release, Transfer and On-Site Management for TRI Chemicals for 2017, 2018 and 2019 (from Table 1)

Management Activities	RY 2017 (Pounds)*	RY 2018 (Pounds)	RY 2019 (Pounds)	Changes 2018-2019	% Change 2018-2019	% Change 2017-2019
On-Site Releases						
Air (Total)	16,511,869.86	16,508,457.36	15,078,985.88	-1,429,471.48	-8.66%	-8.68%
Fugitive Air	3,652,709.68	3,462,295.09	3,166,070.30	-296,224.79	-8.56%	-13.32%
Stack Air	12,859,160.18	13,046,162.27	11,912,915.58	-1,133,246.70	-8.69%	-7.36%
Water	11,297,988.65	9,137,577.54	10,824,345.62	1,686,768.08	18.46%	-4.19%
Land	2,986,888.89	2,602,408.81	1,488,490.33	-1,113,918.48	-42.80%	-50.17%
Total	30,796,747.40	28,248,443.72	27,391,821.84	-856,621.88	-3.03%	-11.06%
Off-Site Transfers						
POTW	15,905,069.20	17,775,431.97	17,589,557.94	-185,874.03	-1.05%	10.59%
Other Off-Site Transfers	44,954,754.02	48,379,542.31	46,482,726.99	-1,896,815.32	-3.92%	3.40%
Recycling	22,175,644.29	24,620,738.08	23,864,739.28	-755,998.79	-3.07%	7.62%
Energy Recovery	3,786,729.87	3,518,089.44	4,429,693.86	911,604.42	25.91%	16.98%
Other Treatment	15,888,579.70	17,268,575.57	14,954,022.46	-2,314,553.11	-13.40%	-5.88%
Disposal	3,103,800.15	2,972,139.23	3,234,271.39	262,132.16	8.82%	4.20%
Total	60,859,823.22	66,154,974.28	64,072,284.93	-2,082,689.36	-3.15%	5.28%
On-Site Management						
Treated On-Site	104,073,554.90	103,473,321.21	94,002,172.87	-9,471,148.34	-9.15%	-9.68%
Recycled On-Site	702,998,486.36	651,206,005.27	634,515,966.96	-16,690,038.31	-2.56%	-9.74%
Energy Recovery On-Site	3,766,856.25	3,251,145.00	3,387,634.00	136,489.00	4.20%	-10.07%
Total	810,838,897.51	757,930,471.48	731,905,773.83	-26,024,697.65	-3.43%	-9.73%
Grand Total	902,495,468.12	852,333,889.48	823,369,880.59	-28,964,008.89	-3.40%	-8.77%

^{*}TRI report data for the 2017 reporting year have been revised to include partial facility reports which were not previously being captured. Virginia TRI Report – Summary of Data

Table 7 compares, in detail, the TRI data for PBT chemicals by type of release, transfer, and on-site management for reporting years 2017 to 2019. From 2018 to 2019, the total of PBT chemicals released on-site, transferred off-site, or managed on-site increased by 43.02 percent.

The data show a decrease in releases to air, water, and land of PBT chemicals compared to 2018, Table 7 also shows an increase of PBT chemicals transferred off-site and managed on-site for reporting years 2017 to 2019.

Table 7. Comparison Summary Data by Type of Release, Transfer and On-site Management for PBT chemicals for 2017, 2018 and 2019 (from Table 3)

Management Activities	RY 2017 (Pounds)*	RY 2018 (Pounds)	RY 2019 (Pounds)	Changes 2018-2019 (Pounds)	% Change 2018-2019	% Change 2017-2019
On-Site Releases						
Air (Total)	17,588.06	13,638.69	12,472.39	-1,166.30	-8.55%	-29.09%
Fugitive Air	6,715.62	2,508.26	2,211.57	-296.69	-4.42%	-67.07%
Stack Air	10,872.45	11,130.43	10,260.82	-869.61	-8.00%	-5.63%
Water	5,046.31	7,765.57	1,869.47	-5,896.10	-116.84%	-62.95%
Land	339,172.78	270,336.71	235,709.21	-34,627.50	-10.21%	-30.50%
Total	361,807.15	291,740.97	250,051.08	-41,689.90	-11.52%	-30.89%
Off-Site Transfers						
Potw	668.02	683.44	589.23	-94.21	-14.10%	-11.79%
Other Off-Site Transfers	756,752.20	1,277,229.91	1,931,036.43	653,806.52	86.40%	155.17%
Recycling	645,074.34	1,124,981.78	1,838,806.08	713,824.30	110.66%	185.05%
Energy Recovery	2,610.27	19,866.20	0.81	-19,865.39	-761.05%	-99.97%
Other Treatment	1,573.72	2,854.12	2,474.52	-379.60	-24.12%	57.24%
Disposal	107,493.88	129,527.81	89,755.02	-39,772.79	-37.00%	-16.50%
Total	757,420.22	1,277,913.35	1,931,625.66	653,712.31	86.31%	155.03%
On-Site Management						

^{*}TRI report data for the 2017 reporting year have been revised to include partial facility reports which were not previously being captured. Virginia TRI Report – Summary of Data from 2019 Facility Reports (issued March 2021)

TRI – Chapter Four

2019 Toxics Release Inventory

Management Activities	RY 2017 (Pounds)*	RY 2018 (Pounds)	RY 2019 (Pounds)	Changes 2018-2019 (Pounds)	% Change 2018-2019	% Change 2017-2019
Treated On-Site	8.10	8.10	8.10	0.00	0.00%	0.00%
Recycled On-Site	86,611.26	58,573.96	147,058.30	88,484.34	102.16%	69.79%
Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00%	0.00%
Total	86,619.36	58,582.06	147,066.40	88,484.34	102.15%	69.78%
Grand Total	1,205,846.73	1,628,236.38	2,328,743.14	700,506.75	43.02%	93.12%

Chapter Five - Conclusion

The 2019 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 land-filling, 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 2019 reporting years. If you would like additional information on specific facilities or chemicals, please call the Virginia Department of Environmental Quality's SARA Title III Office at (804) 698-4467 or direct your request in writing to the Virginia Department of Environmental Quality, SARA Title III Office, P.O. Box 1105, Richmond, Virginia, 23218.

- TRI data can be accessed on the Internet through the Virginia Department of Environmental Quality SARA Title III Program web page: http://www.DEQ.Virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx
- 2. The Form Rs submitted by facilities within the state are on file at the Virginia Department of Environmental Quality. Any inquiries about Form R information or the TRI program in Virginia should be made to the SARA Title III Program Coordinator.
- 3. The Environmental Protection Agency's Toxic Release Reporting Center is the national repository for all TRI reports submitted to the EPA. The data is available on CD-ROM, magnetic tape, floppy disk, and microfiche. Copies of the reports were distributed to more than 3,000 libraries nationwide.
- 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, (703) 412-9810, or TDD (800) 553-7672.
- 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. <u>Right-to-Know Network (RTK NET)</u> offers access to TRI data, along with health facts for each TRI chemical, searchable nationwide TRI data. RTK NET promotes pollution prevention, data analyses, and communication among individuals concerned about toxics use reduction. http://www.rtknet.org/.
- 7. **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/.
- 8. **TRI Explorer** is another tool provided by EPA, which allows users to search TRI data by county, facility, chemical, etc. http://www.epa.gov/triexplorer/.
- 9. <u>EPCRA Section 313</u> 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/.

Appendix B Inventory

10. <u>EPA's Risk Screening Environmental Indicators (RSEI)</u> is a computer based model that uses TRI data for analysis of risk-related impacts of toxic chemical releases and transfers in the US. http://www.epa.gov/opptintr/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:

211	Oil and Gas Extraction
212	Mining
221	Utilities
311	Food Manufacturing
312	Beverage and Tobacco Product Manufacturing
313	Textile Mills
314	Textile Product Mills
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
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
562	Waste Management and Remediation Services
924	Administration of Environmental Quality Programs
927	Space Research and Technology
928	National Security and International Affairs

Appendix D - 2019 VA TRI Reporting Forms

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.

							MB Number: 20 10/31/2021	25-0009	Pag	ge 1 of 6
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		Section 3	_	ergency Planning and C	Community					
	United States Environmental Protect	Right-to-l	Know Act of	1986, also Known as	Title III of th	ne To	xic Chemical, C	ategory, or	Generic	Name
	Agency	Superium	a Amenamen	ts and Reauthorization	Act					
	olete form online via TRI-MEwe									
	al public burden related to the For actions for more information on				or a facility f	iling a rep	ort on one chem	ical. See th	e Repor	ting Forms and
This	section only applies if you are		_			W	ithdrawal (I	Enter up	to two	code(s))
	ing or withdrawing a iously submitted form,									
othe.	rwise leave blank.									
IMF	ORTANT: See instructions to	o determine when "!	Not Applicab	ole (NA)" boxes shoul	ld be checke	ed.	$\overline{}$		-	
		PART I. FA	CILITY	IDENTIFICAT	ION IN	FORM	IATION		>	
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SE	CTION 2. TRADE SI	ECRET INFO	RMATIC	ON						
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	CTION 3. CERTIFICE			Read and sign						complete and
that	the amounts and values in this r	report are accurate ba	sed on reasor	nable estimates using d				eport.	000 ASET NET HONOR OF	complete and
Nam	e and official title of owner/ope	erator or senior mana	gement offici	al: Signature:				Date s	igned:	
SE	CTION 4. FACILITY	IDENTIFICA	ATION					•		
	Facility or Establishment Nam	ne	TRI Facili	ty ID Number		BIA Coo	de			
4.1	Physical Street Address		Mailing A	ddress (if different fro	m physical :	street addı	ress)			
	City/County/State/ZIP Code		City/State	City/State/ZIP Code Country (Non-US)						TTC\
	City/County/State/ZiF Code		City/State/	ZIF Code				Count	y (NOII-	-03)
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4.3										
_	Email Address									
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\vdash	Email Address			Ť			1			
4.5	NAICS Code(s) Primary (6 digits)				d.				f.	
4.6	a. Dun & Bradstreet a.	b.		c.	a.		e.		C.	
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5.2	Parent Company's Dun & Bra Number	ndstreet NA								

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			society material to	ovana pro post normal			TRI Facility		
			FO	RM R	\		Standard State (1989)	PROF WOODSON PROBLEM PROF PROF	
	Part II. C	HEM	IICAL-S	PECIFIC	C INFORMATION		Toxic Chemi	cal, Category, or Generic Name	
							TOXIC CHEMI	car, Caregory, or Generic Name	
	SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)								
1.1			e e	7000	it appears on the Section 313 lis		are Anne summer et	ing a chemical category.)	
			•	•					
1.2	Toxic Chemical or Chemical	Catego	ory Name (Iı	nportant: En	ter only one name exactly as it a	ppears o	n the Section 313 list.		

1.3	Generic Chemical Name (Im	portant	: Complete o	only if Part I,	Section 2.1 is checked "Yes". C	eneric N	Name must be structur	ally descriptive.)	
	4			3					
SEC	CTION 2. MIXTURE	COM	PONENT	DENTI	TY (Important: DO NOT	comple	to this section if you	completed Section 1)	
T						- (7)			
2.1	Generic Chemical Name Pro	videa b	y Supplier (important: M	Iaximum of 70 characters, include	nng nun	ibers, ietters, spaces, a	nd punctuation.)	
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	ortant: Check all that apply		and other boson day at all the			1	**************************************	And Approximate Vil	
3.1	Manufacture the toxic chemical:	3.2	Process the	toxic chemi	cal:	3.3	Otherwise use the tox	ic chemical:	
a. [Produce b. Import					>			
If Produce or Import a.							A CONTRACTOR OF THE CONTRACTOR		
	CTION 4. MAXIMUM LENDAR YEAR	AMO	OUNT O	F THE TO	OXIC CHEMICAL ON-	SITE A	AT ANY TIME I	DURING THE	
4.1	(Enter	wo-dig	it code from	instruction p	oackage.)				
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5.1	Fugitive or non-point air emissions			NA					
5.2	Stack or point air emissions			NA 🗌					
5.3	5.3 Discharges to receiving streams or water bodies (Enter one name per box) NA								
4	Stream or Water Body Nar	me R	each Code (optional)					
5.3.1		_							
5.3.2					<u> </u>				
999	If additional pages of Part II, Section 3.2 and 3.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 3.2 and 3.3 page number in this box. (Example: 1, 2, 3, etc.)								
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EPA form 9350 -1 (Rev. 10/2018). 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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5.4-5.5	Disposal to land on-site										
5.4.1	Class I Underground Injection Wells										
5.4.2	Class II-V Underground Injection Wells								- 2		
5.5.1A	RCRA Subtitle C landfills								, (
5.5.1B	Other landfills										
5.5.2	Land treatment/application farming						1			· .	
5.5.3A	RCRA Subtitle C surface impoundments					_					
5.5.3B	Other surface impoundments										
5.5.4	Other disposal										
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SECTIO	ON 6.2 TRANSFERS TO OTH	ER OFF-SI	TE LOCA	TIONS	NA						
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Is this lo	ocation under control of reporting	facility or p	arent comp	any?			Yes			No	•

EPA form 9350 -1 (Rev. 10/2018). 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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fadditional pages of F	Part II, Section 6.2/7.A	are attached, indicate the total number of	of pages in this	box	
and indicate the Part II			cample: 1, 2, 3, etc.)		

				Approval Expir	res: 10/31/2021	Page 5 of 6					
		EODM D			TRI Facility ID	Number					
		FORM R									
	Part II. CHEMICAL	-SPECIFIC INFORM	ATION (CON	TINUED)	Toxic Chemical	l, Category, or Generic Name					
SEC	CTION 7B. ON-SITE EN	ERGY RECOVERY PR	OCESSES								
	NA Check here if no on-site of	energy recovery is applied to any	waste stream contain	ing the toxic che	mical or chemical cate	egory.					
Energ	Energy Recovery Methods (Enter 3-character code(s))										
	1 2 3										
SEC	SECTION 7C. ON-SITE RECYLING PROCESSES										
☐ :	NA Check here if no on-site i	recycling is applied to any waste	stream containing the	toxic chemical o	r chemical category.						
Recy	cling Methods (Enter 3-character	code(s))									
	1.	2.	3.								
SEC	SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT										
			Column A	Column B	Column C	Column D					
			Prior Year	Current Report Year (pounds/y							
81_	8.7 Production-Related Waste	Managed	(pounds/year*)	Year (pounds/)	ear*) (pounds/year*) (pounds/year*)					
-	Total on-site disposal to Class I RCRA Subtitle C landfills, and	Underground Injection Wells,									
8.1b				-							
8.1c	Total off-site disposal to Class I	The two and the first control of			_						
	RCRA Subtitle C landfills, and										
8.1d	Total other off-site disposal or of		\sim								
8.2	Quantity used for energy recove	**************************************									
8.3	Quantity used for energy recove	ery 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		ctivity ratio (select one and enter									
8.10	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										
	Source Reduction Activities (Enter code(s))	Metho	ds to Identify Activity	y (Enter code(s))		Estimated annual reduction (Enter code(s)) (optional)					
8.10.1	1	a.	b. c. d.			d.					
8.10.2	2	a.	b.	c.		d.					
8.10.3	3	a.	b.		d.						
8.10.4		a.	b.	c.		d.					

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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

Form Approved OMB Number: 2025-0009 Approval Expires: 10/31/2021 TRI Facility ID Number FORM R Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED) Toxic Chemical, Category, or Generic Name SECTION 8.11. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES 8.11 If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here. SECTION 9. MISCELLANEOUS INFORMATION If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.

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Form Approved OMB Number: 2025-0009 Page 1 of 4 Approval Expires: 10/31/2021 TRI Facility ID Number FORM R Schedule 1 PART II. CHEMICAL-SPECIFIC INFORMATION (continued) SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE Discharges to receiving streams or water bodies 5.1 5.2 NA NA (Enter data for one stream or water body per box) Fugitive or non-Stack or point 5.3.1 5.3.2 5.3.3 point air emissions air emissions 1 2 3 D. Mass (grams) of each compound in the category (1-17) 4 5 6 7 8 9 10 11 12 13 14 15 16 17 See the Reporting Forms and Instructions for information If additional pages of Section 5.3 are attached, indicate the total number of pages in this box on submissions and the Paperwork Reduction Act.

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and indicate the Section 5.3 page number in this box (Example: 1, 2, 3, etc.)

Form Approved OMB Number: 2025-0009 Approval Expires: 10/31/2021

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TRI Facility ID Number FORM R Schedule 1 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 RCRA Subtitle C Class II-V RCRA Subtitle C Other landfills Land treatment/ Other surface Other disposal Underground landfills Underground application farming surface impoundments Injection Wells Injection Wells impoundments 1 2 category (1-17) 3 4 5 6 compound in the 8 9 10 C. Mass (grams) of each 11 12 13 14 15 16

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Form Approved OMB Number: 2025-009 Page 3 of 4 Approval Expires: 10/31/2021 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 D. Mass (grams) of Each Compound in the Category (1-17) 6.1 2. 3. 6.1 D. Mass (grams) of Each Compound in the Category (1-17) 1. 2. 3. 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA 6.2 D. Mass (grams) of Each Compound in the Category (1-17) 1. 3. 6.2 D. Mass (grams) of Each Compound in the Category (1-17) 3. If additional pages of Section 6.1 or 6.2 are attached, indicate the total number of pages in this box and indicate the Section 6.1 or 6.2 page number in this box (Example: 1, 2, 3, etc.)

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TRI Facility ID Number

FORM R Schedule 1 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 Total on-site disposal to	8.1b Total other on-site disposal	8.1c Total off-site disposal to	8.1d Total other off-site disposal	8.2 Quantity used for energy recovery		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
		Class 1 Underground Injection Wells, RCRA Subtitle C	or other releases	Class 1 Underground Injection Wells, RCRA Subtitle C	or other releases	on-site	off-site					related waste managed*
		landfills, and other landfills		landfills, and other landfills								
	1			13					9	9		
17)	2			10			4					
y (1	3											
tegoi	4											
1e ca	5											
ii t	6			15			/					
ound	7					9						
duuo	8											
ach c	9									8		
o Jo	10											
ams)	11											
s (gr	12								2			
Mas	13											
Column f. Mass (grams) of each compound in the category (1-17)	14				•							
nlo.	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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ş	United States Environmental Protection Agency	LEASE	INVE	NTOR	Y FOR	MA	
Fairfa:	lete form online via TRI-MEweb. For a trade secret submiss x, VA 22038. The annual public burden related to the Form on one chemical. See the Reporting Forms and Instructions	A is estimated to a	verage 21.96 hour	s per response	for a facility filing		
	section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.	Revisio	n (Enter up to tw	o code(s))	Withdra	wal (Enter up to two code(s))	
IMPO	ORTANT: See instructions to determine when "Not App	olicable (NA)" box	res should be che	cked.	*		
	PART I. FACI	LITY IDENT	IFICATION I	NFORMA'	ΓΙΟΝ		
SEC	TION 1. REPORTING YEAR					X /	
SEC	TION 2. TRADE SECRET INFORMATION						
2.1		s a trade secret? o not answer 2.2; to Section 3)	2.2 Is this copy	у	Sanitized (Answer only	Unsanitized if "Yes" in 2.1)	
SEC	TION 3. CERTIFICATION (Important: Read	l and sign after	completing all	form sections	s.)		
CFR 3	by certify that to the best of my knowledge and belief, for e 372.27(a), did not exceed 500 pounds for this reporting year eding 1 million pounds during this reporting year.						
Name	e and official title of owner/operator or senior management o	official:	Signature:			Date signed:	
SEC	TION 4. FACILITY IDENTIFICATION						
	Facility or Establishment Name		TRI Facility ID	Number	1	BIA Code	
4.1	Physical Street Address		Mailing Address (if different from physical street address)				
	City/County/State/ZIP Code		City/State/ZIP	Country (Non-US)			
4.2	This report contains information for: (Important: Check of	or d if applicable)		c.	A Federal Fac	ility d. GOCO	
	Technical Contact Name			Tel	lephone Number (include area code and ext.)	
4.3	Email Address						
4.4	Public Contact Name			Tel	lephone Number (include area code and ext.)	
	Email Address						
4.5	NAICS Code(s) (6 digits) Primary a. b.	c.		d.	e.	£	
4.6	Dun & Bradstreet Number(s) (9 digits) b.	<u> </u>			I	'	
SEC.	TION 5. PARENT COMPANY INFORMATION						
	Name of U.S. Parent Company						
5.1	(for TRI Reporting purposes)					Parent Company Reporting purposes)	
5.2	Parent Company's Dun & Bradstreet Number NA				•		

EPA Form 9350 -2 (Rev. 10/2018). Previous editions are obsolete.

Form Approved OMB Number: 2025-009

Approval Expires: 10/31/2021

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	EPA FORM A PART II. CHEMICAL IDENTIFICATION Do not use this form for reporting PBT chemicals, including Dioxin and Dioxin-like Compounds*	TRI Facility ID Number							
SEC	TION I. TOXIC CHEMICAL IDENTITY Report_	of							
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if repo	rting 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 struct	turally descriptive.)							
SEC	SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)								
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, a	nd punctuation.)							
SEC	TION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC C	HEMICAL							
	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.								
9.2									
SEC	TION 1. TOXIC CHEMICAL IDENTITY Report	_of							
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if repo	rting 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	.)							
		NO. 96 97 15 000							
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be struct	turally descriptive.)							
CEC	THON 2 MINTEDE COMPONENT IDENTITY (Inserting DONOT complete this section if you completed Section	a Labarra)							
SEC	TION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces,								
2.1	contains a sum a revided of coppute (importains arianimum of 10 characters, including numbers, fellers, spaces,	Particulary							
SEC	TION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC C	HEMICAL							
	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.								
9.2									

EPA Form 9350 -2 (Rev. 10/2018). Previous editions are obsolete.

(Make additional copies of this page, if needed)

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

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 29 years, major regulatory changes have occurred that have made the direct historical comparison of releases from 1988 to 2019 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 2015 following a final rule published by EPA which became effective on Nov. 29, 2013. The Nonylphenol category of chemicals was added to the 2019 reporting year chemicals list in a final rule effective on Sept. 20, 2015. The hexabromocyclododecane category was added to the chemical list in November 2019.

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 2004 through 2014 (without specified PBTs, or vanadium and vanadium compounds). Facility revisions for previous reporting years were not included in this comparison of on-site releases.

Table E-1. On-Site Releases Comparison from 2006 – 2016 (from Section 5 of Form R)

Chapter Four of the Virginia 2019 TRI Report covers the reporting period 2017 to 2019, and includes all chemicals and chemical compounds, and all facility revisions received through January 5, 2021.

Media	2006 (pounds)	2007 (pounds)	2008 (pounds)	2009 (pounds)	2010 (pounds)	2011 (pounds)	2012 (pounds)	2013 (pounds)	2014 (pounds)	2015 (pounds)	2016 (pounds)	Percent Change 2006 - 2016
Air	41,273,390	39,390,601	29,770,387	26,946,032	24,617,658	19,972,183	18,404,743	20,651,918	20,388,755.18	18,020,039.02	19,059,858.65	-53.82%
Water	19,258,326	18,322,290	20,284,859	18,301,212	17,687,071	16,714,204	11,763,752	11,707,977	11,164,687.01	11,535,716.86	13,571,327.82	-29.53%
Land	4,913,540	4,430,778	2,947,122	3,312,996	3,247,285	2,545,232	2,515,236	3,695,524	3,637,624.72	2,939,038.10	3,541,540.62	-27.92%
Total	65,445,255	62,143,669	53,002,368	48,560,240	78,463,236	39,231,618	32,683,731	36,055,419	35,191,066.92	32,494,793.98	36,172,727.09	-44.73%

Appendix F - 2019 Summary of Facilities, Chemical Releases, Transfers and Management (Non-PBT)

y of Che**rhjyrd:Rick Fse20h9dSliramsfeys**of Facilities, Chemical Releases, Transfers, and Management (Non-PBT) Alphabetical Listing by Facility Within Each County/Independent City

2019 Toxics Release Inventory Appendix F **On-Site Releases On-Site Management Off-Site Transfers Facility County/Independent City** from Section 5 of Form R from Section 8 of Form R from Section 6 of Form R Facility Name/Address Total Total **Total Other** On-Site Energy **Fugitive** Stack Total On-Site Off-Site Transfers ** Air Air **POTW** Air Land Water Releases Recovery Recycling Treatment Management Chemical Name form A* (pounds) **ACCOMACK** PERDUE FARMS ACCOMAC PROCESSING PLANT 22520 LANKFORD HWY NAICS Code 311615 8,925 8,925 0 89 9.014 0 895,559 0 0 **AMMONIA** N 0 895,559 CERTAIN GLYCOL ETHERS 0 0 0 0 227 227 11.334 11.334 Ν 0 40,903 HYDROGEN SULFIDE 40,903 0 40,903 0 0 304,834 304,834 0 N n NITRATE COMPOUNDS 0 0 0 0 178,787 178,787 3,112,771 0 0 Ν 3,112,771 0 725,943 PERACETIC ACID N 0 0 0 363 363 725,943 0 Total for Perdue Farms Accomac Processing Plant 0 229,294 O 5.050.441 0 O 49.828 49.828 O 179.466 5.050.441 **ACCOMACK** TYSON FARMS INC-TEMPERANCEVILLE 11224 LANKFORD HWY **NAICS Code** 311615 **AMMONIA** 9,400 150 9,550 0 37 9,587 25,000 25,000 0 Ν 2,100 NITRATE COMPOUNDS 0 0 0 0 37,000 37,000 2,300,000 2,300,000 1,300 Ν 1,700 0 320,000 320,000 0 0 PERACETIC ACID 0 1,700 0 1,700 Ν Total for Tyson Farms Inc-Temperanceville 11,100 150 11,250 37,037 48,287 0 2,645,000 2,645,000 0 3,400 0 Total for Above County: (8 reports) 60,928 150 61,078 0 216,503 277,581 0 7,695,441 7,695,441 3,400 INTERNATIONAL COLD STORAGE 5678 HEARDS MOUNTAIN RD **NAICS Code** 333415 ALBEMARLE DIISOCYANATES 0 0 Y Total for International Cold Storage 0 0 0 n 0 0 0 0 0 0 Total for Above County: (1 record) 0 0 0 0 0 0 0 0 0

8680 CROWDER ST

AMELIA LUMBER CO INC

AMELIA

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321114

NAICS Code

^{*} 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-PBTchemical 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 filling 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)

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

Facility County/Independent (City			On-Site						agement	ţ	Off-Site	
Facility Name	•		fı	rom Section	5 of Form	R	Total	fr	om Section	8 of Form R	TD ()	from Section	
Facility Name	Address	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	C)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	PT Y	0	0	0	0	0	0	C)	0	0 0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	C)	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: (3 reports	s)	0	0	0	0	0	0	0)	0	0 0	0	0
AMHERST	COOPER STI	EEL						275 FRAN	NCIS AVE			NAICS Cod	e 332312
CHROMIUM	Y	0	0	0	0	0	0	C)	0	0 0	0	0
MANGANESE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NICKEL	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Cooper Steel		0	0	0	0	0	0	0)	0	0 0	0	0
AMHERST	GREIF PACK	AGING L	LC					861 FIBR	E PLANT I	RD		NAICS Cod	e 322110
ACETALDEHYDE	N	3,003	38,305	41,308	0	0	41,308	45,781		0 15,47	61,257	0	0
METHANOL	N	6,702	268,693	275,395	0	0	275,395	50,150)	0 85,86	55 136,015	0	0
NITRATE COMPOUNDS	N	0	0	0	0	2,869	2,869	C)	0 292,51	8 292,518	0	0
Total for Greif Packaging Llc		9,705	306,998	316,703	0	2,869	319,572	95,931		0 393,85	59 489,790	0	0
Total for Above County: (6 reports	s)	9,705	306,998	316,703	0	2,869	319,572	95,931		0 393,8	59 489,790	0	0
ARLINGTON	ALLIED AVI	ATION FU	ELING CO) INC				RONALD	REAGAN	NATIONAI	AIRPORT	NAICS Cod	e 424710
BENZENE	N	0	188	188	0	0	188	C)	0	0 0	0	0
BIPHENYL	N	1	1	2	0	0	2	C)	0	0 0	0	0
CYCLOHEXANE	N	0	188	188	0	0	188	C)	0	0 0	0	0
ETHYLBENZENE	N	7	194	201	0	0	201	C)	0	0 0	0	130
METHYL TERT-BUTYL ETHER	N	0	376	376	0	0	376	C)	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-PBTchemical 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 filling a Form A, no amounts are reported but by default the appendix lists them as zero.

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

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

Facility County/Independent	City			On-Site 1						nagemen			Transfers
	-		fı	om Section	5 of Form	R	70. 4.1	fr	om Section	8 of Form R		from Section	1 6 of Form R
Facility Nam	ie/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NAPHTHALENE	N	16	225	241	0	0	241	C)	0	0 0	0	773
N-HEXANE	N	0	188	188	0	0	188	C)	0	0 0	0	0
TOLUENE	N	0	940	940	0	0	940	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	0	752	752	0	0	752	C)	0	0 0	0	0
Total for Allied Aviation Fueling Co	Inc	24	3,052	3,076	0	0	3,076	0		0	0 0	0	903
ARLINGTON	PENTAGON	RESERVA	TION					2 N ROTA	ARY RD			NAICS Co	de 928110
1,2,4-TRIMETHYLBENZENE	N	0	34,559	34,559	0	0	34,559	C	1	0	0 0	0	0
BIPHENYL	N	0	34,559	34,559	0	0	34,559	C)	0	0 0	0	0
CUMENE	N	0	17,280	17,280	0	0	17,280	C	1	0	0 0	0	0
ETHYLBENZENE	N	0	17,280	17,280	0	0	17,280	C)	0	0 0	0	0
NAPHTHALENE	N	0	34,560	34,560	0	0	34,560	C)	0	0 0	0	0
Total for Pentagon Reservation		0	138,238	138,238	0	0	138,238	0		0	0 0	0	0
ARLINGTON	VIRGINIA CO	ONCRETE	SHIRLING	GTON PLA	NT			2651 SHII	RLINGTO	N RD		NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	1,024	1,024	C)	0	0 0	0	0
Total for Virginia Concrete Shirling	ton Plant	0	0	0	0	1,024	1,024	0	ı	0	0 0	0	0
Total for Above County: (15 repo	orts)	24	141,290	141,314	0	1,024	142,338	0	ı	0	0 0	0	903
AUGUSTA	ACCUTEC B	LADES, IN	IC.					57 RAZO	R BLADE 1	LN		NAICS Co	de 332215
AMMONIA	N	452	30	482	0	0	482	C)	0	0 0	0	0
CHROMIUM	N	0	0	0	0	0	0	C)	0	0 0	0	25,927
Total for Accutec Blades, Inc.		452	30	482	0	0	482	0	ı	0	0 0	0	25,927
AUGUSTA	BALL ADVA	NCED ALI	U MINUM T	TECHNOLO	OGIES CO	ORP		56 DUNSI	MORE RD			NAICS Co	de 331524
ALUMINUM (FUME OR DUST)	N	0	15,000	15,000	0	0	15,000	C)	0	0 0	0	25,000

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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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Facility County/Independent	t City			On-Site 1						agement	t	Off-Site	Transfers
Facility Nan	•		fı	rom Section	5 of Form	R	T 4 1	fr	om Section	8 of Form R	T	from Section	n 6 of Form R
racinty Nan	ie/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Ivame	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Ball Advanced Aluminum	Technologies Cor	0	15,000	15,000	0	0	15,000	0)	0	0 0	0	25,000
AUGUSTA	CERRO FAB	RICATED	PRODUCT	TS LLC				300 TRIA	NGLE DR			NAICS Co	de 332112
COPPER COMPOUNDS	N	0	0	0	0	0	0) ()	0	0 0	17	295,888
NITRATE COMPOUNDS	N	0	0	0	0	0	0) ()	0	0 0	1,315	0
NITRIC ACID	N	0	0	0	0	0	0) ()	0 41,46	41,464	0	0
ZINC COMPOUNDS	N	0	0	0	0	0	0) ()	0	0 0	12	209,242
Total for Cerro Fabricated Product	s Llc	0	0	0	0	0	0) ()	0 41,46	64 41,464	1,344	505,130
AUGUSTA	DAIKIN APP	LIED						207 LAUI	REL HILL	RD		NAICS Co	de 333415
COPPER	N	3	0	3	0	11	14	1 ()	0	0 0	49	184,828
MANGANESE	N	29	0	29	0	0	29))	0	0 0	0	1,200
Total for Daikin Applied		33	0	33	0	11	43	3 0)	0	0 0	49	186,028
AUGUSTA	DEGESCH A	MERICA I	INC					153 TRIA	NGLE DR			NAICS Co	de 325320
ALUMINUM PHOSPHIDE	Y	0	0	0	0	0	0) ()	0	0 0	0	0
AMMONIA	N	0	123	123	0	0	123	3)	0	0 0	0	0
PHOSPHINE	N	0	158	158	0	0	158	3)	0	0 0	0	0
Total for Degesch America Inc		0	281	281	0	0	281	ı c)	0	0 0	0	0
AUGUSTA	FLINT GROU	P NA CO	RP					106 TRIA	NGLE DR			NAICS Co	de 325910
BARIUM COMPOUNDS	Y	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
Total for Flint Group Na Corp		0	0	0	0	0	0	o c)	0	0 0	0	0
AUGUSTA	GROTTOES	PLASTICS	S PLANT					149 GRA	ND CAVER	NS DR		NAICS Co	de 326113
ZINC COMPOUNDS	N	0	0	0	0	0	0) () 23	9	0 239	0	561
								1				1	

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Facility County/Independent C	`itv			On-Site 1				On-S	Site Man	agement	ţ	Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name/	Address	E:4:	Stack	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Grottoes Plastics Plant		0	0	0	0	0	0	C	23	9	0 239	0	561
AUGUSTA	MASTIC HON	ME EXTE	RIORS					185 JOHN	NSON DR			NAICS Cod	le 326199
ANTIMONY COMPOUNDS	Y	0	0	0	0	0	0) ()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCEP	PT Y	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
Total for Mastic Home Exteriors		0	0	0	0	0	0	C)	0	0 0	0	0
AUGUSTA	NIBCO OF VI	IRGINIA I	NC.					131 JOHN	NSON DRIV	E.		NAICS Cod	le 332112
CHROMIUM	N	0	0	0	0	1	1	()	0	0 0	1	12,978
COPPER	N	7,542	5,616	13,158	0	8	13,166	5)	0	0 0	10	259,508
Total for Nibco Of Virginia Inc.		7,542	5,616	13,158	0	9	13,167	·)	0	0 0	11	272,486
AUGUSTA	REXNORD IN	NDUSTRIE	ES LLC					150 JOHN	NSON DR			NAICS Cod	le 333612
AMMONIA	N	0	4,270	4,270	0	0	4,270	()	0	0 0	0	0
Total for Rexnord Industries Llc		0	4,270	4,270	0	0	4,270	c)	0	0 0	0	0
AUGUSTA	SHAMROCK	FOODS D	AIRY DIV	VERONA '	VIRGINIA	Λ.		318 MILI	L PL PKWY	7		NAICS Cod	le 311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	67,175	0
NITRIC ACID	N	5	0	5	0	0	5	()	0 68,20	00 68,200	0	0
Total for Shamrock Foods Dairy Div \	Verona Virginia	5	0	5	0	0	5	c)	0 68,20	00 68,200	67,175	0
AUGUSTA	SUNLITE PLA	ASTICS IN	IC.					846 KEE2	ZLETOWN	RD		NAICS Cod	le 326199
DI(2-ETHYLHEXYL) PHTHALATE	Y	0	0	0	0	0	0) ()	0	0 0	0	0
Total for Sunlite Plastics Inc.		0	0	0	0	0	0	C)	0	0 0	0	0
AUGUSTA	THE LYCRA	COMPAN	Y LLC					400 DU P	ONT BLVD)		NAICS Cod	le 325220
DIISOCYANATES	N	18	0	18	0	0	18	()	0	0 0	0	23,831

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Facility County/Independent (itv			On-Site 1						agement		Off-Site	Transfers
	-		fr	om Section	5 of Forn	ı R		fre	om Section 8	of Form R		from Section	n 6 of Form R
Facility Name	Address	E:4:	C41-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NITRATE COMPOUNDS	N	0	0	0	0	30,000	30,000	C) (35,000	0 35,000	0	0
Total for The Lycra Company Llc		18	0	18	0	30,000	30,018	0) (35,00	0 35,000	0	23,831
Total for Above County: (26 repor	ts)	8,050	25,197	33,246	0	30,020	63,266	0	23	9 144,66	144,903	68,579	1,038,963
BEDFORD	BLUE RIDGE	WOOD P	RESERVIN	NG INC.				1220 HEN	DRICKS S	FORE RD		NAICS Co	ode 321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	C) () (0 0	0	0
Total for Blue Ridge Wood Preservin	g Inc.	0	0	0	0	0	0	0) (0	0 0	0	0
BEDFORD	CUSTOM TR	UCK ONE	SOURCE					12660 E L	YNCHBUR	G SALEM T	ГРКЕ	NAICS Co	ode 333120
MANGANESE	N	961	0	961	0	0	961	C) () (0 0	0	13,461
Total for Custom Truck One Source		961	0	961	0	0	961	0) (0	0 0	0	13,461
BEDFORD	GEORGIA-PA	ACIFIC BI	G ISLAND	MILL				9363 LEE	-JACKSON	HWY		NAICS Co	ode 322121
ACETALDEHYDE	N	1,200	51,000	52,200	8	590	52,798	C) (53,300	0 53,300	0	0
AMMONIA	N	500	150	650	0	4,100	4,750	C) () (0 0	0	0
HYDROGEN SULFIDE	N	15,000	0	15,000	14	2	15,016	C) (140,000	0 140,000	0	0
MANGANESE COMPOUNDS	N	53	110	163	33,000	4,200	37,363	C) () (0 0	0	0
METHANOL	N	4,100	300,000	304,100	400	1,400	305,900	C) (660,000	0 660,000	0	0
NITRATE COMPOUNDS	N	0	0	0	190	56,000	56,190	C) () (0 0	0	0
Total for Georgia-Pacific Big Island N	⁄lill	20,853	351,260	372,113	33,612	66,292	472,017	0) (853,30	0 853,300	0	0
BEDFORD	WHEELABRA	ATOR AB	RASIVES I	NC				1 ABRAS	IVE AVE			NAICS Co	ode 327910
CHROMIUM	N	0	0	0	38,823	0	38,823	C) ()	0 0	0	142,578
MANGANESE	N	0	0	0	16,961	0	16,961	C) ()	0 0	0	114,841
NICKEL	N	0	0	0	1,742	0	1,742	C) () (0 0	0	6,182
Total for Wheelabrator Abrasives Inc	;	0	0	0	57,526	0	57,526	0) (0	0 0	0	263,601

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Facility County/Independent (City			On-Site						agement		Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	<u> 6 of Form R</u>
Facility Name	e/Address	E	C41-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (11 repor	rts)	21,814	351,260	373,074	91,138	66,292	530,504	0		0 853,30	00 853,300	0	277,062
BLAND	ABB ENTERI	PRISE SOI	FTWARE I	NC				171 INDU	STRY DRI	VE		NAICS Coo	le 335311
COPPER	N	0	0	0	0	0	0	()	0	0 0	0	321,248
MANGANESE	N	0	0	0	0	0	0	()	0	0 0	0	18,809
Total for Abb Enterprise Software In	С	0	0	0	0	0	0	O)	0	0 0	0	340,057
BLAND	PASCOR ATI	LANTIC C	CORP					254 INDU	STRY DR			NAICS Coo	le 335313
COPPER	N	0	0	0	0	0	0	()	0	0 0	0	18,152
Total for Pascor Atlantic Corp		0	0	0	0	0	0	O)	0	0 0	0	18,152
Total for Above County: (3 report	s)	0	0	0	0	0	0	O	1	0	0 0	0	358,209
BOTETOURT	ALTEC INDU	STRIES, I	INC.					325 SOUT	TH CENTE	R DRIVE		NAICS Coo	le 336211
MANGANESE	N	3	0	3	0	0	3	()	0	0 0	0	66,100
Total for Altec Industries, Inc.		3	0	3	0	0	3	O)	0	0 0	0	66,100
BOTETOURT	DYNAX AME	CRICA CO	RP					568 E PA	RK DR			NAICS Coo	de 336350
HYDROCHLORIC ACID (1995 ANI	D A N	0	3,857	3,857	0	0	3,857	()	0 91,62	1 91,621	0	0
METHANOL	N	48,232	17,293	65,525	0	0	65,525	C)	0 1,477,97	4 1,477,974	0	13,302
PHENOL	N	3,327	819	4,146	0	0	4,146	()	0 84,94	1 84,941	12	934
Total for Dynax America Corp		51,559	21,969	73,528	0	0	73,528	C	1	0 1,654,53	6 1,654,536	12	14,236
BOTETOURT	GALA INDUS	STRIES IN	IC.					181 PAUI	LEY ST			NAICS Coo	le 333249
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	34,443
Total for Gala Industries Inc.		0	0	0	0	0	0	O)	0	0 0	0	34,443
BOTETOURT	GENERAL SI	HALE BRI	ICK INC PI	LANT 35 &	36			2353 WEI	BSTER RD			NAICS Coo	de 327120

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Facility County/Independent C	its,		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Sectio	n 6 of Form R
Facility Name/	Address	5	Gr. I	m . 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
HYDROGEN FLUORIDE	N	0	3,480	3,480	0	0	3,480) ()	0 174,65	4 174,654	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for General Shale Brick Inc Plan	nt 35 & 36	0	3,480	3,480	0	0	3,480	C)	0 174,65	4 174,654	0	0
BOTETOURT	METALSA RO	OANOKE	INC.					184 VIST	A DR			NAICS Co	de 336390
MANGANESE	N	0	11	11	0	0	11	. ()	0	0 0	0	152,834
NICKEL	N	0	1	1	0	0	1	. ()	0	0 0	5	14,129
Total for Metalsa Roanoke Inc.		0	12	12	0	0	12	2 0)	0	0 0	5	166,963
BOTETOURT	ROANOKE C	EMENT (CO LLC					6071 CAT	TAWBA RD			NAICS Co	de 327310
CHROMIUM COMPOUNDS(EXCEP	Т ү	0	0	0	0	0	C) ()	0	0 0	0	0
HYDROCHLORIC ACID (1995 AND	A N	0	10,068	10,068	0	0	10,068	3)	0	0 0	0	0
MANGANESE COMPOUNDS	N	352	121	473	0	20	493	3)	0	0 0	0	0
SULFURIC ACID (1994 AND AFTER	R" N	0	31,689	31,689	0	0	31,689	()	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Roanoke Cement Co Llc		352	41,878	42,230	0	20	42,250	C)	0	0 0	0	0
BOTETOURT	TREAD CORI	P						176 EAST	PARK DR			NAICS Co	de 333924
ALUMINUM (FUME OR DUST)	N	0	0	0	0	0	C) ()	0	0 0	0	75,888
CHROMIUM	N	0	0	0	0	0	C) ()	0	0 0	0	175,805
MANGANESE	N	0	0	0	0	0	C) ()	0	0 0	0	22,716
NICKEL	N	0	0	0	0	0	C) ()	0	0 0	0	94,213
Total for Tread Corp		0	0	0	0	0	0	C)	0	0 0	0	368,622
BOTETOURT	VIRGINIA TE	RANSFOR	MER COR	P				201 TRA	NSFORMEI	R WAY		NAICS Co	de 335311
XYLENE (MIXED ISOMERS)	N	4,982	2,659	7,641	0	0	7,641	. () 99	8	0 998	0	0
Total for Virginia Transformer Corp		4,982	2,659	7,641	0	0	7,641	C	99	8	0 998	0	0

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Facility County/Independent Ci			(On-Site 1	Release	S		On-S	Site Mana	agement		Off-Site 7	Transfers
	•		fi	rom Section	5 of Form	R		fr	om Section 8	of Form R		from Section	6 of Form R
Facility Name/A	ddress	F	64 1	T 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (19 reports)	56,896	69,998	126,894	0	20	126,914	C	4 /	· /		u /	650,363
BRISTOL (CITY)	STRONGWEI	LL CORP	BRISTOL					400 COM	MONWEAL	TH AVE		NAICS Code	e 326199
ANTIMONY	N	0	144	144	0	0	144	(0	(0	0	0
STYRENE	N	42,020	0	42,020	0	0	42,020	(0	140	140	0	3,680
Total for Strongwell Corp Bristol		42,020	144	42,164	0	0	42,164	c	0	140	140	0	3,680
Total for Above County: (2 reports)		42,020	144	42,164	0	0	42,164	C) () 14	0 140	0	3,680
BRUNSWICK	REDLAND BI	RICK INC	LAWREN	CEVILLE	PLANT			16024 GO	OVERNOR H	ARRISON	PKWY	NAICS Cod	e 327331
HYDROGEN FLUORIDE	N	0	313	313	0	0	313	(0	31,329	31,329	0	0
MANGANESE	Y	0	0	0	0	0	0	(0	(0	0	0
Total for Redland Brick Inc-Lawrencevi	lle Plant	0	313	313	0	0	313	c	0	31,329	31,329	0	0
Total for Above County: (2 reports)		0	313	313	0	0	313	C) (31,32	9 31,329	0	0
BUCHANAN	IEWELL CO	KE CO LF	•					1034 DIS	MAL RIVER	RD		NAICS Code	e 331110
HYDROCHLORIC ACID (1995 AND A	N N	0	1,619,459	1,619,459	0	0	1,619,459	(0	(0	0	0
HYDROGEN FLUORIDE	N	0	35,545	35,545	0	0	35,545	(0	(0	0	0
SULFURIC ACID (1994 AND AFTER	' N	0	467,009	467,009	0	0	467,009	(0	(0	0	0
Total for Jewell Coke Co Lp		0	2,122,013	2,122,013	0	0	2,122,013	c) 0	•	0	0	0
Total for Above County: (3 reports)		0	2,122,013	2,122,013	0	0	2,122,013	C) ()	0 0	0	0
BUCKINGHAM	BEAR GARD	EN GENE	RATING S	TATION				2608 C.G.	. WOODSON	ROAD		NAICS Code	e 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	(0	(0	0	0
AMMONIA	N	0	287	287	0	0	287	(0	(0	0	0
N-HEXANE	Y	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)

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Facility County/Independent Ci	ty			On-Site l						agement 3 of Form R			Transfers
Facility Name/A	Address		11	om Section	5 of Form	ı K	Total	Ir	om Section &	S OI FORM K	Total	from Section	n 6 of Form R Total Other
1 Wolling 1 (Willer)		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Bear Garden Generating Stat	ion	0	287	287	0	0	287	O)	0	0 0	0	0
Total for Above County: (3 reports)		0	287	287	0	0	287	O)	0	0 0	0	0
BUENA VISTA (CITY)	EVERBRITE :	LLC						627 E 30T	TH ST			NAICS Co	de 339950
COPPER	N	0	5	5	0	0	5	()	0	0 0	0	12,747
MANGANESE	N	0	1	1	0	0	1	()	0	0 0	0	1,857
Total for Everbrite Llc		0	6	6	0	0	6	C)	0	0 0	0	14,604
Total for Above County: (2 reports)		0	6	6	0	0	6	O)	0	0 0	0	14,604
CAMPBELL	BANKER STE	EL COM	PANY, LLO	C				351 RANG	GOON ROA	AD		NAICS Co	de 332312
MANGANESE	N	0	0	0	0	0	0	()	0	0 0	0	27,433
NICKEL	N	0	0	0	0	0	0	()	0	0 0	0	25,801
Total for Banker Steel Company, Llc		0	0	0	0	0	0	o)	0	0 0	0	53,234
CAMPBELL	BWXT NUCL	EAR OPE	RATIONS	GROUP, IN	IC.			1570 MO	UNT ATHO	S RD		NAICS Co	de 332410
CHROMIUM COMPOUNDS(EXCEPT	N	11	76	87	2	8	97	()	0	0 0	0	136
COPPER COMPOUNDS	N	0	14	14	67	289	370	C)	0	0 0	0	79,139
HYDROGEN FLUORIDE	N	0	151	151	0	0	151	(1,31	2 105,65	0 106,962	0	2,000
NICKEL COMPOUNDS	N	3	155	158	2	9	170	C)	0	0 0	0	56
NITRATE COMPOUNDS	N	0	0	0	0	453,078	453,078	()	0 1,031,54	7 1,031,547	0	170,332
NITRIC ACID	N	17	2,942	2,959	0	0	2,959	C	11,71	3 1,048,18	5 1,059,898	0	590,301
Total for Bwxt Nuclear Operations Gro	up, Inc.	31	3,338	3,369	71	453,384	456,825	O	13,02	4 2,185,38	3 2,198,407	0	841,964
CAMPBELL	GEORGIA-PA	CIFIC W	OOD PROI	OUCTS LL	C - BRO	OKNEAL O	SB	11795 BR	OOKNEAL	HIGHWAY	7	NAICS Co	de 321219
ACETALDEHYDE	N	0	3,300	3,300	0	0	3,300	()	0 28,00	0 28,000	0	0
FORMALDEHYDE	N	0	11,000	11,000	17	0	11,017	()	0 66,00	0 66,000	3	0

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Facility County/Independent	City		()n-Site l	Release	S		On-S	Site Man	agement		Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	R		fre	om Section 8	of Form R		from Section	on 6 of Form R
Facility Nam	e/Address		Q				Total	Enouge			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery (pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
METHANOL	N	0	52,000	52,000	0	0	52,000	C	4 /	A /	<i>d</i> ,		0
PHENOL	N	0	2,400	2,400	0	0	2,400	C) (12,000	12,000	0	0
Total for Georgia-Pacific Wood Pro	ducts Llc - Brook	0	68,700	68,700	17	0	68,717	0) (266,000	266,000	3	0
CAMPBELL	SCHRADER-I	BRIDGEP	ORT INTE	RNATION	AL			205 FRAZ	ZIER RD			NAICS C	ode 336390
COPPER	N	0	0	0	0	0	0	C) () (0	0	1,528,814
Total for Schrader-Bridgeport Intern	national	0	0	0	0	0	0	0) () (0	0	1,528,814
Total for Above County: (13 repo	orts)	31	72,038	72,069	88	453,384	525,542	0	13,02	4 2,451,38	3 2,464,407	3	2,424,012
CAROLINE	HOOVER TR	EATED W	OOD PRO	DUCTS, IN	C			18315 HO	USE DR			NAICS C	ode 321999
ARSENIC COMPOUNDS	N	0	0	0	0	6	6	C) () (0	0	0
CHROMIUM COMPOUNDS(EXC	EPT N	0	0	0	0	79	79	C) () (0	0	0
COPPER COMPOUNDS	N	0	0	0	0	4	4	C) () (0	0	0
FORMALDEHYDE	Y	0	0	0	0	0	0	C) () (0	0	0
Total for Hoover Treated Wood Pro	ducts, Inc	0	0	0	0	89	89	0) () (0	0	0
CAROLINE	JCI JONES C	HEMICAI	LS INC.					16248 INI	DUSTRIAL	DR		NAICS C	ode 424690
CHLORINE	N	0	0	0	0	0	0	C) () (0	0	0
Total for Jci Jones Chemicals Inc.		0	0	0	0	0	0	0) () (0	0	0
CAROLINE	LADYSMITH	COMBUS	TION TUE	RBINE STA	TION			8063 CED	ON RD			NAICS C	ode 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C) () (0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	C) () (0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C) () (0	0	0
Total for Ladysmith Combustion Tu	rbine Station	0	0	0	0	0	0	0) () (0	0	0
CAROLINE	US ARMY FO	RT AP HI	LL GARRI	SON (PAR	T)			19952 N F	RANGE RD			NAICS C	ode 928110

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Facility County/Independent	City			On-Site						agemen		Off-Site	Transfers
	·		fr	om Section	5 of Form	R		fre	om Section	8 of Form R		from Section	on 6 of Form R
Facility Nam	ie/Address		C. I	70. 4. 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
COPPER	N	0	0	0	45,478	2,278	47,756	C)	0	0 0	0	0
NITROGLYCERIN	N	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Us Army Fort Ap Hill Garr	ison (Part)	0	0	0	45,478	2,278	47,756	0)	0	0 0	0	0
Total for Above County: (10 repo	orts)	0	0	0	45,478	2,367	47,845	0)	0	0 0	0	0
CARROLL	VAUGHAN-B	ASSETT I	URNITUR	E CO. GA	LAX			300 E GR	AYSON ST			NAICS C	ode 337122
TOLUENE	N	4,092	23,330	27,423	0	0	27,423	C)	0	0 0	0	921
Total for Vaughan-Bassett Furnitur	e Co. Galax	4,092	23,330	27,423	0	0	27,423	0)	0	0 0	0	921
Total for Above County: (1 reco	rd)	4,092	23,330	27,423	0	0	27,423	0)	0	0 0	0	921
CHESAPEAKE (CITY)	AMERICAN (GFM COR	P					1200 CAV	ALIER BL	LVD		NAICS C	ode 333517
AMMONIA	N	0	5,977	5,977	0	0	5,977	C)	0	0 0	0	0
Total for American Gfm Corp		0	5,977	5,977	0	0	5,977	0)	0	0 0	0	0
CHESAPEAKE (CITY)	FLOWSERVE	E US INC						3900 COC	OK BLVD			NAICS C	ode 333914
CHROMIUM	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NICKEL	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Flowserve Us Inc		0	0	0	0	0	0	0)	0	0 0	0	0
CHESAPEAKE (CITY)	MITSUBISHI	CHEMIC	AL COMP	OSITES A	MERICA			401 VOLV	VO PKWY			NAICS C	ode 332812
MANGANESE	N	0	0	0	0	0	0	C)	0	0 0	0	16,071
Total for Mitsubishi Chemical Com	posites America	0	0	0	0	0	0	0)	0	0 0	0	16,071
CHESAPEAKE (CITY)	PERDUE AGI	RIBUSINE	SS LLC-CI	HESAPEA	KE VA			501A BAI	RNES RD			NAICS C	ode 311224
N-HEXANE	N	287,172	191,448	478,620	0	0	478,620	C)	0	0 0	53	53
Total for Perdue Agribusiness Llc-	Chesapeake Va	287,172	191,448	478,620	0	0	478,620	0)	0	0 0	53	53

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2019 Toxics Release Inventory

Appendix F

Facility County/Independent Ci	i4		(On-Site 1	Release	S		On-S	Site Man	agement	t	Off-Site 7	Transfers
	•		fr	om Section	5 of Form	R		fre	om Section 8	of Form R		from Section	6 of Form R
Facility Name/A	Address	F	G. 1	7 5. 4. 1			Total	Enongy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (5 reports)		287,172	197,425	484,597	0	0	484,597	0	1	0	0 0	53	16,124
CHESTERFIELD	ALERIS ROL	LED PRO	DUCTS IN	С				1701 REY	MET RD			NAICS Cod	e 331314
ALUMINUM (FUME OR DUST)	N	3,861	7,644	11,505	0	0	11,505	0) ()	0 0	0	1,585,605
Total for Aleris Rolled Products Inc		3,861	7,644	11,505	0	0	11,505	0) (0	0 0	0 -	1,585,605
CHESTERFIELD	BELLWOOD	PRINTIN	G PLANT					2001 REY	MET RD			NAICS Cod	e 323111
AMMONIA	N	6,429	6,429	12,858	0	0	12,858	0) ()	0 0	0	0
N-METHYL-2-PYRROLIDONE	N	8,605	8,605	17,210	0	0	17,210	0) ()	0 0	0	0
Total for Bellwood Printing Plant		15,034	15,034	30,068	0	0	30,068	0) (0	0 0	0	0
CHESTERFIELD	CHESTERFIE	ELD POW	ER STATIO	ON				500 COXI	ENDALE RI	D		NAICS Cod	e 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0) ()	0 0	0	0
AMMONIA	N	0	80	80	0	4,100	4,180	0) ()	0 0	0	0
BARIUM COMPOUNDS	N	0	82	82	51,000	17	51,099	0) ()	0 0	0	5,400
HYDROCHLORIC ACID (1995 AND	A N	88,000	0	88,000	0	0	88,000	0) ()	0 0	0	0
HYDROGEN FLUORIDE	N	11,000	0	11,000	0	0	11,000	0) ()	0 0	0	0
NAPHTHALENE	Y	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
SULFURIC ACID (1994 AND AFTER	" N	15,000	0	15,000	0	0	15,000	0) ()	0 0	0	0
VANADIUM COMPOUNDS	N	0	43	43	20,000	0	20,043	0) ()	0 0	0	2,100
Total for Chesterfield Power Station		114,000	205	114,205	71,000	4,117	189,322	0)	0	0 0	0	7,500
CHESTERFIELD	CHURCH & I	OWIGHT (CO INC					1851 TOU	CHSTONE	RD		NAICS Cod	e 326299
AMMONIA	N	13,094	241,247	254,341	0	0	254,341	0) ()	0 0	0	452
NITRATE COMPOUNDS	N	0	107	107	0	0	107	0) ()	0 0	42,801	40,424
								ļ				ļ	

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Facility County/Independent	City			On-Site 1						agement		Off-Site	Transfers
	·		fi	rom Section	5 of Form	R		fr	om Section 8	of Form R		from Section	1 6 of Form R
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Church & Dwight Co Inc		13,094	241,354	254,448	0	0	254,448	O) () (0 0	42,801	40,876
CHESTERFIELD	DUPONT TEI	JIN FILM	IS					3600 DISC	COVERY D	R		NAICS Coo	de 325211
ACETALDEHYDE	N	8,560	53,440	62,000	0	0	62,000	() (1,61	1,611	0	198
ANTIMONY COMPOUNDS	N	0	0	0	0	42	42	() () (0 0	7	27
CREOSOTE	N	986	0	986	0	0	986	() () (0 0	0	0
ETHYLENE GLYCOL	N	0	880	880	0	4	884	() (336,420	336,420	35,903	43,403
Total for Dupont Teijin Films		9,546	54,320	63,866	0	46	63,912	C) (338,03	1 338,031	35,910	43,628
CHESTERFIELD	ETERNAL TI	ECHNOLO	OGY CORP	•				1800 TOU	CHSTONE	RD		NAICS Coo	de 325992
TOLUENE	N	0	0	0	0	0	0	() () (0	0	10
Total for Eternal Technology Corp		0	0	0	0	0	0	O) () (0 0	0	10
CHESTERFIELD	FUJIFILM W	АКО СНЕ	EMICALS U	USA CORP				1600 BEL	LWOOD R	D		NAICS Coo	de 325199
HYDROCHLORIC ACID (1995 AN	DA N	250	750	1,000	0	0	1,000	() (18,400	18,400	0	0
METHANOL	N	3,000	19,000	22,000	0	0	22,000	() (275,000	275,000	15,500	141,000
TOLUENE	N	2,000	6,000	8,000	0	0	8,000	() (18,200	18,200	1,000	84,000
Total for Fujifilm Wako Chemicals U	Jsa Corp	5,250	25,750	31,000	0	0	31,000	C) (311,60	311,600	16,500	225,000
CHESTERFIELD	FUJIFILM W	AKO CHE	EMICALS U	USA CORP	ORATION	N		1600 BEL	LWOOD R	D		NAICS Coo	le 325199
AMMONIA	N	250	250	500	0	0	500	() (82,000	82,000	0	8,200
Total for Fujifilm Wako Chemicals U	Jsa Corporation	250	250	500	0	0	500	O) (82,000	82,000	0	8,200
CHESTERFIELD	HONEYWEL	L INTERN	NATIONAL	COLONIA	L HEIGH	ITS PLANT		15801 WC	OODS EDGI	E RD		NAICS Coo	de 325220
FREON 113	N	217,367	54,514	271,881	0	0	271,881	(314,872,417	7	314,872,417	0	551
Total for Honeywell International Co	olonial Heights Pla	217,367	54,514	271,881	0	0	271,881	O	314,872,417	7 (0 314,872,417	0	551
CHESTERFIELD	INDUSTRIAL	CHEMIC	CALS INC					2540 BEL	LWOOD R	D		NAICS Coo	le 424690

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Facility County/Independent	City		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
• • •	•		fı	om Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	on 6 of Form R
Facility Nam	e/Address	E '4'	G ₄ 1	T ()			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CERTAIN GLYCOL ETHERS	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 Industrial Chemicals Inc		0	0	0	0	0	0	0		0	0 0	0	0
CHESTERFIELD	PHILIP MOR	RIS USA I	PARK 500 S	SITE				4100 BER	MUDA HU	NDRED RD		NAICS Co	ode 312230
AMMONIA	N	2,641	264,002	266,643	0	154	266,797	0)	0 2,68	5 2,685	0	771
CHLORINE	N	0	0	0	0	0	0	0	1	0 4,55	0 4,550	0	0
NICOTINE AND SALTS	N	152	15,150	15,302	0	20	15,322	0)	0 101,01	0 101,010	0	105,828
NITRATE COMPOUNDS	N	0	0	0	0	4,364	4,364	0	1	0 120,08	5 120,085	0	0
Total for Philip Morris Usa Park 500) Site	2,793	279,152	281,945	0	4,538	286,483	0	ı	0 228,33	0 228,330	0	106,599
CHESTERFIELD	SABRA DIPP	ING CO L	LC					15900 SAI	BRA WAY			NAICS Co	ode 311999
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	66,600
NITRIC ACID	N	0	0	0	0	0	0	0)	0 75,22	8 75,228	0	0
Total for Sabra Dipping Co Llc		0	0	0	0	0	0	0		0 75,22	8 75,228	0	66,600
CHESTERFIELD	SAFETY-KLI	EEN SYST	EMS CHES	STER (CVA	()			1200 W 10	00 RD			NAICS Co	ode 562112
ETHYLENE GLYCOL	N	0	4	4	0	0	4	. 0)	0	0 0	0	216,158
Total for Safety-Kleen Systems Che	ester (Cva)	0	4	4	0	0	4	. 0	ı	0	0 0	0	216,158
CHESTERFIELD	SPRUANCE F	PLANT						5401 JEF	FERSON D	AVIS HWY		NAICS Co	ode 325220
1,3-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0)	0	0 0	0	689
AMMONIA	N	14,111	1,856	15,967	0	12,807	28,774	0)	0 5,28	0 5,280	0	11,597
CHLOROFORM	N	404	6,011	6,415	0	43	6,458	0	1	0 26	3 263	0	0
DIMETHYLAMINE	N	18,419	0	18,419	0	23,154	41,573	0	1	0 109,50	1 109,501	0	0
NITRATE COMPOUNDS	N	0	0	0	0	107,537	107,537	0)	0	0 0	0	0

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

Facility County/Independent (Citv			On-Site I						agement			Transfers
Facility Name	•		fi	om Section	5 of Form	R	Total	fr	om Section 8	8 of Form R	Total	from Section	1 6 of Form R
Tuemey Nume	711441 033	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
N-METHYL-2-PYRROLIDONE	N	0	46,380	46,380	0	4,631	51,011	()	0 30,51	1 30,511	0	824,469
P-PHENYLENEDIAMINE	N	0	0	0	0	0	0	()	0	0 0	0	13,999
SODIUM NITRITE	N	0	0	0	0	8,471	8,471	()	0 29,733	3 29,733	0	0
TOLUENE	N	41,501	44,959	86,460	0	43	86,503	()	0	0 0	0	13,093
TRICHLOROFLUOROMETHANE	N	121,012	6,714	127,726	0	43	127,769	()	0 30	0 30	0	0
Total for Spruance Plant		195,447	105,920	301,367	0	156,729	458,096	c)	0 175,31	8 175,318	0	863,847
CHESTERFIELD	SUPER RADI	ATOR CO	OILS					451 SOUT	THLAKE B	LVD		NAICS Co	de 333414
CHROMIUM	N	0	0	0	0	0	0))	0	0 0	0	10,633
NICKEL	N	0	0	0	0	0	0) ()	0	0 0	0	7,675
Total for Super Radiator Coils		0	0	0	0	0	0	C)	0	0 0	0	18,308
CHESTERFIELD	TRIDENT AM	IERICAS						833 LIBE	RTY WAY			NAICS Co	de 332813
COPPER COMPOUNDS	N	0	445	445	0	0	445	()	0	0 0	0	13,251
Total for Trident Americas		0	445	445	0	0	445	i c)	0	0 0	0	13,251
CHESTERFIELD	UNIVAR USA	INC CHE	STER FAC	CILIT Y				1001 OLI	BERMUD	A HUNDRE	D RD	NAICS Co	de 424690
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0) ()	0	0 0	0	0
Total for Univar Usa Inc Chester Fac	cilit Y	0	0	0	0	0	0	c)	0	0 0	0	0
CHESTERFIELD	US DEFENSE	LOGISTI	CS AGENO	CY DEFENS	SE SUPPL	Y CENTE	R RICHM	8000 JEF	FERSON D	AVIS HWY		NAICS Co	de 425120
BROMOCHLORODIFLUOROMETH	HA N	512	0	512	0	0	512)	0	0 0	0	0
BROMOTRIFLUOROMETHANE	N	3,098	0	3,098	0	0	3,098	()	0	0 0	0	0
CHLORODIFLUOROMETHANE	N	272	0	272	0	0	272	. ()	0	0 0	0	0
DICHLORODIFLUOROMETHANE	(C N	241	0	241	0	0	241	()	0	0 0	0	0
DICHLOROTETRAFLUOROETHAN	NE N	372	0	372	0	0	372	. ()	0	0 0	0	0
TRICHLOROFLUOROMETHANE	N	252	0	252	0	0	252	. ()	0	0 0	0	0

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Facility County/Independent	City		(On-Site 1	Release	S			Site Mana			Off-Site T	ransfers
	·		fı	rom Section	5 of Form	R		fr	om Section 8	of Form R		from Section	<u>6 of Form R</u>
Facility Name	e/Address	E '4'	G. I	T 1			Total	Energy			Total	7	Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Us Defense Logistics Ager	ncy Defense Supp	4,747	0	4,747	0	0	4,747	0	0	(0	0	0
CHESTERFIELD	VEOLIA JAN	IES RIVE	R PLANT					1201 BEL	LWOOD RI)		NAICS Code	325180
HYDROGEN SULFIDE	N	160	0	160	0	0	160	(0	C	0	0	0
SULFURIC ACID (1994 AND AFTI	ER" N	2,835	7,332	10,167	0	0	10,167	(0	C	0	0	0
Total for Veolia James River Plant		2,995	7,332	10,327	0	0	10,327	0	0	C	0	0	0
Total for Above County: (56 repo	rts)	584,384	791,924	1,376,308	71,000	165,430	1,612,738	O	314,872,417	7 1,210,50	7 316,082,924	95,212 3	,196,132
CLARKE	TRELLEBOR	G MARIN	E SYSTEM	IS USA, IN	C.			532 JACK	K ENDERS E	BLVD		NAICS Code	326199
TOLUENE-2,4-DIISOCYANATE	N	0	5	5	0	0	5	(0	C	0	0	0
Total for Trelleborg Marine Systems	usa, Inc.	0	5	5	0	0	5	O	0	·	0	0	0
Total for Above County: (1 record	d)	0	5	5	0	0	5	o) () (0	0	0
COLONIAL HEIGHTS (CITY) SUN CHEMIC	CAL COR	P					16000 CO	NTINENTA	L BLVD		NAICS Code	325910
COPPER	N	5	5	10	0	0	10	(0	C	0	0	245
Total for Sun Chemical Corp		5	5	10	0	0	10	O	0	·	0	0	245
Total for Above County: (1 record	d)	5	5	10	0	0	10	o) () (0	0	245
COVINGTON (CITY)	INGEVITY V	IRGINIA (CORPORA	TION				958 E RIV	ERSIDE ST	•		NAICS Code	325998
ACETALDEHYDE	N	2	280	282	0	0	282	(0	37,000	37,000	0	0
FORMALDEHYDE	N	19	1,100	1,119	0	0	1,119	(0	115,800	115,800	0	0
FORMIC ACID	N	0	9,800	9,800	0	0	9,800	(0	746,000	746,000	0	0
METHANOL	N	0	35,000	35,000	0	0	35,000	(0	2,600,000	2,600,000	0	0
Total for Ingevity Virginia Corporation	on	21	46,180	46,201	0	0	46,201	0	0	3,498,800	3,498,800	0	0
COVINGTON (CITY)	WESTROCK	VIRGINIA	A CORPOR	ATION (E	NTIRE)			104 E. RI	VERSIDE S	FREET		NAICS Code	322130

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2019 Toxics Release Inventory

Appendix F

Facility County/Independent Cit	v			On-Site						agement			Transfers
Facility Name/A	•		f	rom Section	5 of Forn	ı R	Total	fro	om Section 8	3 of Form R	Total	from Section	on 6 of Form R
Tacinty Name/1	uui ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	£ A+	Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ACETALDEHYDE	N	1,030	46,800	47,830	10	2,090	49,930	4,541	(0 109,000	113,541	0	0
AMMONIA	N	411	206,000	206,411	0	668	207,079	0	(0 408,000	408,000	0	0
BARIUM COMPOUNDS	N	0	1,450	1,450	77,100	0	78,550	0	(0 0	0	0	0
CATECHOL	N	0	0	0	1	15	16	0		0 402	402	0	0
CHLORINE	N	5	480	485	0	0	485	0	(0 53,200	53,200	0	0
CHLORINE DIOXIDE	N	5	3,920	3,925	0	0	3,925	0	(0 381,000	381,000	0	0
CRESOL (MIXED ISOMERS)	N	7	9,140	9,147	4	3	9,154	599	(0 16,900	17,499	0	0
FORMALDEHYDE	N	16	13,300	13,316	10	668	13,995	216		0 12,400	12,616	0	0
FORMIC ACID	N	0	0	0	1	359	360	0		0 208	208	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	208,000	208,000	0	0	208,000	0		0 169,000	169,000	0	0
HYDROGEN SULFIDE	N	10,800	78,500	89,300	458	370	90,128	0		0 629,000	629,000	0	0
MANGANESE COMPOUNDS	N	0	405	405	258,000	34,700	293,105	0		0 0	0	0	0
METHANOL	N	75,400	1,390,000	1,465,400	11,600	2,090	1,479,090	398,000		0 17,700,000	18,098,000	0	0
PHENOL	N	7	33,300	33,307	5	84	33,396	361		0 11,900	12,261	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	54,100	54,100	0	0	54,100	0		0 101,000	101,000	0	0
VANADIUM COMPOUNDS	N	0	13	13	4,260	1,230	5,503	0		0 0	0	0	0
ZINC COMPOUNDS	N	0	553	553	30,600	2,090	33,243	0		0 0	0	0	0
Total for Westrock Virginia Corporation	(Entire)	87,681	2,045,961	2,133,642	382,048	44,367	2,560,057	403,717		0 19,592,010	19,995,727	0	0
Total for Above County: (21 reports)		87,702	2,092,141	2,179,843	382,048	44,367	2,606,258	403,717		0 23,090,810	23,494,527	0	0
CULPEPER A	RDENT MII	LLS, LLC						1900 INDU	USTRY DR			NAICS C	ode 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

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Facility County/Independent	City			On-Site						nagemen		Off-Site 7	ransfers
	·		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	<u>6 of Form R</u>
Facility Nam	e/Address	5	G: 1	75 4 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
CULPEPER	BINGHAM &	TAYLOR	4	(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	(Property)	(1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	· ·	601 NALI	· ·	(4	(1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	NAICS Code	
CHROMIUM	N	0	1	1	0	0	1	()	0	0 0	0	4,856
COPPER	N	0	0	C	0	1	1	. ()	0	0 0	0	1,010
MANGANESE	N	0	12	12	0	0	12	. ()	0	0 0	0	4,996
NICKEL	N	0	0	C	0	0	0))	0	0 0	0	6,396
Total for Bingham & Taylor		0	13	13	0	1	14	·)	0	0 0	0	17,259
CULPEPER	BRANTNER &	& ASSOCI	ATES INC	, DBA TE (CONNECT	TIVITY MO)G	751 OLD	BRANDY I	RD		NAICS Code	e 331491
CHROMIUM	N	0	0	C	0	0	0	()	0	0 0	0	15,034
COPPER	N	0	0	C	0	0	0) ()	0	0 0	5	149,206
MANGANESE	N	0	0	C	0	0	0	()	0	0 0	0	39,531
NICKEL	N	0	0	C	0	0	0) ()	0	0 0	0	8,498
ZINC (FUME OR DUST)	N	0	0	C	0	0	0	()	0	0 0	0	13,419
Total for Brantner & Associates Inc	, Dba Te Connecti	0	0	0	0	0	0	C)	0	0 0	5	225,688
CULPEPER	CABINETWO	ORKS GRO	OUP - CUL	PEPER PL	ANT			641 MAD	DOX DR			NAICS Code	e 337110
XYLENE (MIXED ISOMERS)	N	0	14,498	14,498	0	0	14,498	3)	0	0 0	0	7,339
Total for Cabinetworks Group - Cul	peper Plant	0	14,498	14,498	0	0	14,498	c)	0	0 0	0	7,339
CULPEPER	CULPEPER V	VOOD PR	ESERVER	S				15487 BR	AGGS CO	RNER RD		NAICS Code	e 321114
COPPER COMPOUNDS	N	0	0	C	0	0	0	()	0	0 0	0	0
Total for Culpeper Wood Preserver	s	0	0	0	0	0	0	C)	0	0 0	0	0
CULPEPER	QUARLES PE	ETROLEU	M INC. CU	LPEPER I	BULK PLA	ANT		15427 BR	ANDY RD			NAICS Code	e 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	C	0	0	0))	0	0 0	0	0
BENZENE	Y	0	0	C	0	0	0))	0	0 0	0	0

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Facility County/Independent (City			On-Site						agemen			Transfers
Facility Name	•		fı	om Section	5 of Form	ı R	T 4 1	fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name	Audress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ETHYLBENZENE	Y	0	0	0	0	0	C) ()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	C))	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	C) ()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Quarles Petroleum Inc. Cul	peper Bulk Plant	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (18 repor	rts)	0	14,511	14,511	0	1	14,512	()	0	0 0	5	250,286
CUMBERLAND	GEMINI-FAR	MVILLE						102 HAU	SCHILD D	R		NAICS Coo	le 339950
COPPER	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Gemini-Farmville		0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (1 record	l)	0	0	0	0	0	0	· c)	0	0 0	0	0
DANVILLE (CITY)	AMERICAN I	PHOENIX	INC					121 MAR	THA ST			NAICS Coo	le 325998
COBALT COMPOUNDS	N	5	5	10	0	0	10) ()	0	0 0	0	0
ZINC COMPOUNDS	N	5	5	10	0	0	10	()	0	0 0	0	0
Total for American Phoenix Inc		10	10	20	0	0	20	C)	0	0 0	0	0
DANVILLE (CITY)	THE GOODY	EAR TIRI	E & RUBBI	ER CO.				1901 GO	ODYEAR B	LVD		NAICS Coo	de 326211
COBALT COMPOUNDS	N	0	2	2	0	0	2	2)	0	0 0	0	1,877
ZINC COMPOUNDS	N	0	259	259	0	112	371	. ()	0	0 0	600	156,322
Total for The Goodyear Tire & Rubb	er Co.	0	261	261	0	112	373)	0	0 0	600	158,199
Total for Above County: (4 report	s)	10	271	281	0	112	393	i c)	0	0 0	600	158,199
DINWIDDIE	CHAPARRAI	. (VA) INC						25801 HC	FHEIMER	WAY		NAICS Coo	de 331110
CHROMIUM COMPOUNDS(EXCE	PT N	15	21	36	0	15	51	()	0	0 0	0	53,403

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Facility County/Independent (City			On-Site						agemen		Off-Site	e Tra	nsfers
	•		fı	rom Section	5 of Form	ı R		fr	om Section	8 of Form R		from Secti	on 6 of	Form R
Facility Name	/Address	E '4'	64 1	T 1			Total	Energy			Total			l Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW		ff-Site nsfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)		ounds)
COPPER COMPOUNDS	N	0	0	0	0	18	18	()	0	0 0	0	53	3,521
MANGANESE COMPOUNDS	N	121	97	218	0	0	218	()	0	0 0	0	377	7,960
NICKEL COMPOUNDS	N	1	66	67	0	0	67	()	0	0 0	0	18	8,985
ZINC COMPOUNDS	N	0	0	0	0	109	109	()	0	0 0	0	1,248	8,986
Total for Chaparral (Va) Inc		137	184	321	0	142	463	O)	0	0 0	0	1,752	2,855
DINWIDDIE	TMS INTERN	NATIONA	L, LLC					25805 НС	OFHEIME	R WAY		NAICS C	ode	562920
COPPER COMPOUNDS	N	24	0	24	0	0	24	()	0	0 0	0		0
MANGANESE COMPOUNDS	N	38	0	38	0	0	38	()	0	0 0	0		0
NICKEL COMPOUNDS	N	8	0	8	0	0	8	0)	0	0 0	0		0
Total for Tms International, Llc		70	0	70	0	0	70	o)	0	0 0	0		0
Total for Above County: (8 reports	s)	207	184	391	0	142	533	O)	0	0 0	0	1,752	2,855
FAIRFAX	BUSH CENTI	ER FOR IN	NTELLIGE	NCE (CIA)				1000 COI	ONIAL FA	ARM RD		NAICS C	ode	928110
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0		0
CUMENE	Y	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
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	()	0	0 0	0		0
Total for Bush Center For Intelligence	e (Cia)	0	0	0	0	0	0	O)	0	0 0	0		0
FAIRFAX	NEWINGTON	CONCR	ETE PLAN	Т				8413 TER	RMINAL RI	D		NAICS C	ode	327320
NITRATE COMPOUNDS	N	0	0	0	0	250	250	C)	0	0 0	0		0
Total for Newington Concrete Plant		0	0	0	0	250	250	O)	0	0 0	0		0
FAIRFAX	SICPA SECU	RINK CO	RP					8000 RES	EARCH W	AY		NAICS C	ode	325910

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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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Facility County/Independent C	'itv		(On-Site	Release	S				agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/	Address		Q	m			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
CERTAIN GLYCOL ETHERS	N	250	0	250	0	0	250	()	0	0 0	0	750
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	()	0	0 0	0	0
TOLUENE DIISOCYANATE (MIXEI	рі ү	0	0	0	0	0	0	()	0	0 0	0	0
Total for Sicpa Securink Corp		250	0	250	0	0	250	O)	0	0 0	0	750
FAIRFAX	SUPERIOR C	ONCRET	E MATERI	ALS INC	LORTON	N		8420 TER	MINAL RI)		NAICS Coo	de 327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Superior Concrete Materials	Inc Lorton	0	0	0	0	0	0	O)	0	0 0	0	0
FAIRFAX	US ARMY GA	ARRISON	FORT BEL	VOIR				9430 JAC	KSON LOC)P		NAICS Coo	de 928110
ETHYLBENZENE	N	2	2	4	0	0	4)	0	0 0	0	1
NAPHTHALENE	N	0	0	0	0	0	0	()	0	0 0	0	1
Total for Us Army Garrison Fort Belve	oir	2	2	4	0	0	4	O)	0	0 0	0	1
FAIRFAX	VIRGINIA CO	ONCRETE	E EDSALL I	ROAD PLA	NT			5412 IND	USTRIAL I	OR		NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	523	523	()	0	0 0	0	0
Total for Virginia Concrete Edsall Roa	ad Plant	0	0	0	0	523	523	O)	0	0 0	0	0
Total for Above County: (13 report	ts)	252	2	254	0	773	1,027	O)	0	0 0	0	751
FAIRFAX (CITY)	CITGO FAIR	FAX TER	MINAL					9600 COI	ONIAL AV	E.		NAICS Coo	de 424710
1,2,4-TRIMETHYLBENZENE	N	2	235	237	0	0	237	()	0	0 0	0	0
BENZENE	N	63	220	283	0	0	283	()	0 4,40	3 4,403	0	0
CUMENE	N	1	6	7	0	0	7	()	0 6	63	0	0
CYCLOHEXANE	N	11	37	48	0	0	48	()	0 78	783	0	0
ETHYLBENZENE	N	6	43	49	0	0	49	()	0 38	385	0	0
NAPHTHALENE	N	0	5	5	0	0	5	()	0	3 3	0	0

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Facility County/Independent (City			On-Site 1						agement		Off-Site	Transfers
Facility Name	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name	Aduress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
N-HEXANE	N	73	238	311	0	0	311	. ()	0 5,163	5,163	0	0
TOLUENE	N	88	651	739	0	0	739	()	0 6,182	2 6,182	0	0
XYLENE (MIXED ISOMERS)	N	25	427	452	0	0	452	. ()	0 1,67	7 1,677	0	0
Total for Citgo Fairfax Terminal		269	1,862	2,131	0	0	2,131	C)	0 18,659	9 18,659	0	0
Total for Above County: (9 report	s)	269	1,862	2,131	0	0	2,131	C)	0 18,65	18,659	0	0
FALLS CHURCH (CITY)	VIRGINIA CO	ONCRETE	FALLS C	HURCH PL	ANT			7103 GOI	RDON RD			NAICS Coo	le 327320
NITRATE COMPOUNDS	N	0	0	0	0	467	467	')	0	0 0	0	0
Total for Virginia Concrete Falls Chu	ırch Plant	0	0	0	0	467	467	·)	0	0 0	0	0
Total for Above County: (1 record	1)	0	0	0	0	467	467	·)	0	0 0	0	0
FAUQUIER	FIBERGLASS	SENGINE	ERING CO)				5019 AIR	PORT RD			NAICS Coo	le 326199
STYRENE	N	6,886	0	6,886	0	0	6,886	()	0	0 0	0	0
Total for Fiberglass Engineering Co		6,886	0	6,886	0	0	6,886	c)	0	0 0	0	0
FAUQUIER	OLD DOMIN	ION ELEC	CTRIC CO-	OP MARSI	H RUN GI	ENERATIO	N FACIL	12109 LU	CKY HILL	RD		NAICS Coo	de 221112
1,2,4-TRIMETHYLBENZENE	Y	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
Total for Old Dominion Electric Co-C	p Marsh Run Ge	0	0	0	0	0	0	C)	0	0 0	0	0
FAUQUIER	REMINGTON	POWER	STATION					12025 LU	CKY HILL	ROAD		NAICS Coo	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
ETHYLENE GLYCOL	N	0	0	0	0	0	0) ()	0	0 0	0	0
NAPHTHALENE	Y	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
Total for Remington Power Station		0	0	0	0	0	0	C)	0	0 0	0	0

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Facility County/Independent	City		(On-Site	Release	es .				agemen		Off-Site 7	Transfers
	-		f	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Nam	e/Address						Total	E			Total		Total Other
		Fugitive	Stack	Total	TJ	W-4	On-Site	Energy	D !!	T44	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	(pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
FAUQUIER	US DOD, WA	RRENTON	4 /	· /				7471 BEA	R WALLO		(F - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	NAICS Cod	
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
CUMENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Us Dod, Warrenton Training	ng Center Station	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (11 repo	orts)	6,886	0	6,886	0	0	6,886	C)	0	0 0	0	0
FRANKLIN	BLUE RIDGE	SOLVEN	TS & COA	TINGS				3800 ORI	GINAL HE	NRY RD		NAICS Cod	e 325510
METHANOL	Y	0	0	0	0	0	0	()	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Blue Ridge Solvents & Co.	atings	0	0	0	0	0	0	C)	0	0 0	0	0
FRANKLIN	FLEETWOOI	D HOMES	OF VIRGI	NIA INC 1	9-2			90 WEAV	ER ST			NAICS Cod	e 321991
DIISOCYANATES	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Fleetwood Homes Of Virgi	inia Inc 19-2	0	0	0	0	0	0	c)	0	0 0	0	0
FRANKLIN	GREAT SOUT	THERN W	OOD - VA	, INC.				1050 N M	AIN ST			NAICS Cod	e 321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCI	EPT Y	0	0	0	0	0	0	()	0	0 0	0	0
COPPER	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Great Southern Wood - Va	a, Inc.	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (6 repor	rts)	0	0	0	0	0	0	C)	0	0 0	0	0
FREDERICK	EVOLVE STO	ONE LLC						200 LENG	OIR DRIVE	,		NAICS Cod	e 326199

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Facility County/Independent	City			On-Site						agement	-	Off-Site T	
Facility Nam	·		fi	rom Section	5 of Form	ı R	Total	fr	om Section	8 of Form R	70. 4.1	from Section (
Facility Nami	c/Auul ess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site	Т	Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Cnemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
STYRENE	N	0	5,997	5,997	0	0	5,997	()	0	0 0	0	12
Total for Evolve Stone Llc		0	5,997	5,997	0	0	5,997	ď)	0	0 0	0	12
FREDERICK	FISHER SCIE	ENTIFIC I	NTERNAT	IONAL MT	TN DIAGN	NOSTICS P	LANT	8365 VAL	LEY PIKE			NAICS Code	325413
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	()	0	0 0	0	1,172
METHANOL	N	5	0	5	0	0	5	6)	0	0 0	0	1,707
Total for Fisher Scientific Internatio	nal Mtn Diagnosti	5	0	5	0	0	5	O)	0	0 0	0	2,879
FREDERICK	HP HOOD LL	LC						160 HOO	D WAY			NAICS Code	311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	87,784	87,784
NITRIC ACID	N	0	0	0	0	0	0	()	0 89,18	89,183	0	0
PERACETIC ACID	N	0	0	0	0	0	0	()	0 38,52	38,524	0	0
Total for Hp Hood Llc		0	0	0	0	0	0	O)	0 127,70	6 127,706	87,784	87,784
FREDERICK	KINGSPAN II	NSULATI	ON LLC					200 KING	SSPAN WA	Y		NAICS Code	326140
METHANOL	N	39,259	0	39,259	0	0	39,259	()	0	0 0	0	0
Total for Kingspan Insulation Llc		39,259	0	39,259	0	0	39,259	O)	0	0 0	0	0
FREDERICK	QG PRINTIN	G II COR	P					160 CENT	TURY LN S	TONEWAL	L IND US TR	ANAPIOSICode	323111
CERTAIN GLYCOL ETHERS	N	4,641	217	4,857	0	0	4,857	′)	0 10,61	2 10,612	0	0
ETHYLENE GLYCOL	N	2,866	134	3,000	0	0	3,000	()	0 6,55	6,554	0	0
Total for Qg Printing Ii Corp		7,507	350	7,857	0	0	7,857	ď)	0 17,16	66 17,166	0	0
FREDERICK	QUARLES PE	ETROLEU	M INC. W	INCHESTE	R BULK	PLANT		779 SMIT	HFIELD A	VE		NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0))	0	0 0	0	0
BENZENE	Y	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

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Facility County/Independent C	City			On-Site						agemen		Off-Site 7	
Facility Name/	•		11	rom Section	15 of Form	ı K	Total	ire	om Section	8 of Form R	Total	from Section	
racinty (value)	11441 C33	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Ivanic	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
N-HEXANE	Y	0	0	(0	0	0	0)	0	0 0	0	0
TOLUENE	Y	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
Total for Quarles Petroleum Inc. Win	chester Bulk Pla	0	0	0	0	0	0	0		0	0 0	0	0
FREDERICK	TREX - VIRG	INIA MAI	NUFACTU	RING OPE	RATIONS	}		3229 SHA	WNEE DR	IVE		NAICS Code	e 326199
CHROMIUM COMPOUNDS(EXCER	PT N	0	1	1	0	0	1	0)	0	0 0	0	2,363
MANGANESE COMPOUNDS	Y	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
Total for Trex - Virginia Manufacturing	g Operations	0	1	1	0	0	1	0		0	0 0	0	2,363
FREDERICK	VALLEY PRO	OTEINS IN	NC-WINCH	IESTER FA	CILITY			1635 IND	IAN HOLL	OW RD		NAICS Code	e 311613
CHLORINE DIOXIDE	N	0	0	(26,893	0	26,893	0)	0	0 0	0	0
Total for Valley Proteins Inc-Winches	ster Facility	0	0	O	26,893	0	26,893	0		0	0 0	0	0
FREDERICK	VIRGINIA CO	ONCRETE	C - STEPHE	ENS CITY				339 ESTE	P ROAD			NAICS Code	e 327320
NITRATE COMPOUNDS	N	0	0	(0	0	0	0	19	8	0 198	0	0
Total for Virginia Concrete - Stephen	s City	0	0	0	0	0	0	0	19	8	0 198	0	0
Total for Above County: (20 report	ts)	46,771	6,348	53,119	26,893	0	80,012	0	19	98 144,8	145,070	87,784	93,038
GILES	CELANESE A	CETATE	LLC - CEI	LCO P LAN	NT			3520 VIR	GINIA AVI	E		NAICS Code	e 325220
1,3-BUTADIENE	N	250	250	500	0	0	500	29,777		0	0 29,777	0	0
ACETAMIDE	N	0	0	(0	250	250	0)	0 182,3	05 182,305	0	0
ACETONITRILE	N	3,302	128	3,430	0	48	3,478	26,044		0 46,1	48 72,192	0	12
AMMONIA	N	0	27,952	27,952	0	334	28,286	0)	0 11,8	54 11,854	0	0
CHLORINE	Y	0	0	(0	0	0	0)	0	0 0	0	0
								1				ļ	

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Facility County/Independent (City			On-Site I						agement		Off-Site 7	Transfers
	•		fı	om Section	5 of Form	R	m . 1	fro	m Section 8	3 of Form R		from Section	
Facility Name	Aduress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CYCLOHEXANE	N	119,972	7,703	127,675	0	0	127,675	251,405	(0	0 251,405	0	12
DICHLOROMETHANE	N	29,625	0	29,625	0	0	29,625	0	(0	0 0	0	0
ETHYLENE	N	2,339	716	3,055	0	0	3,055	704,827	(0	0 704,827	0	0
NITRATE COMPOUNDS	N	0	0	0	0	60,853	60,853	0	(0	0 0	0	0
Total for Celanese Acetate Llc - Cele	co P Lant	155,488	36,749	192,237	0	61,484	253,722	1,012,053	(0 240,30	7 1,252,360	0	24
GILES	LHOIST NA (OF VIRGI	NIA INC K	IMBALLT(ON AREA	1		2093 BIG	STONY CR	REEK RD		NAICS Cod	e 327410
HYDROCHLORIC ACID (1995 ANI	OA N	0	66,963	66,963	0	0	66,963	0	(0	0 0	0	0
Total for Lhoist Na Of Virginia Inc Ki	mballton Area 1	0	66,963	66,963	0	0	66,963	0	(0	0 0	0	0
Total for Above County: (10 repor	rts)	155,488	103,712	259,200	0	61,484	320,685	1,012,053		0 240,30	7 1,252,360	0	24
GOOCHLAND	HERITAGE-C	CRYSTAL	CLEAN LI	LC - RICHN	MOND RE	CYCLING	CENTE	2353 LAN	IER RD			NAICS Cod	e 562920
ETHYLENE GLYCOL	N	5	5	10	0	0	10	0	(0	0 0	0	26,305
Total for Heritage-Crystal Clean Llc	- Richmond Recy	5	5	10	0	0	10	0	(0	0 0	0	26,305
Total for Above County: (1 record	1)	5	5	10	0	0	10	0		0	0 0	0	26,305
GREENSVILLE	BOAR'S HEA	D PROVIS	SIONS CO	INC-JARR	ATT			2230 WYA	ATTS MILI	L RD		NAICS Cod	e 311612
AMMONIA	N	750	0	750	0	0	750	0	(0	0 0	0	0
Total for Boar'S Head Provisions Co	Inc-Jarratt	750	0	750	0	0	750	0	(0	0 0	0	0
GREENSVILLE	GEORGIA PA	CIFIC W	OOD PRO	DUCTS LL	C EMPO	RIA PLYV	VOOD	634 DAVIS	S ST			NAICS Cod	e 321212
METHANOL	N	3,000	26,000	29,000	0	0	29,000	0	(0 13,700	0 13,700	0	0
Total for Georgia Pacific Wood Prod	ducts Llc Empor	3,000	26,000	29,000	0	0	29,000	0	(0 13,70	0 13,700	0	0
GREENSVILLE	STEELFAB O	F VIRGIN	IIA INC					1510 REE	SE ST			NAICS Cod	e 332312
CHROMIUM	N	159	1	160	0	0	160	0	(0	0 0	0	48,132

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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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Facility County/Independent (City			On-Site 1						agemen			Transfers
Facility Name	•		fi	rom Section	5 of Form	R	Total	fr	om Section	8 of Form R		from Section	n 6 of Form R
racinty Name	Audiess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
COPPER	N	232	0	232	0	1	233	()	0	0 0	0	71,838
MANGANESE	N	149	42	192	0	0	192	()	0	0 0	0	52,681
NICKEL	N	275	1	277	0	0	277	()	0	0 0	0	84,051
PROPYLENE	N	53	0	53	0	0	53	()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	14,293	0	14,293	0	0	14,293	()	0	0 0	0	0
Total for Steelfab Of Virginia Inc		15,162	45	15,206	0	1	15,207	O)	0	0 0	0	256,702
Total for Above County: (8 reports	s)	18,912	26,045	44,956	0	1	44,957	0)	0 13,7	700 13,700	0	256,702
HALIFAX	ABB ENTERI	PRISE SO	FTWARE I	NC				2135 PHI	LPOTT RD)		NAICS Co	ode 335311
MANGANESE	N	23	0	23	0	0	23	()	0	0 0	0	134,277
NICKEL	N	2	0	2	0	0	2)	0	0 0	0	66,818
Total for Abb Enterprise Software In	С	25	0	25	0	0	25	O)	0	0 0	0	201,095
HALIFAX	ABB ENTERI	PRISE SO	FTWARE I	NC.				2135 PHI	LPOTT RD	•		NAICS Co	ode 335311
CHROMIUM	N	2	0	2	0	0	2	()	0	0 0	0	77,589
COPPER	N	147	0	147	0	0	147	()	0	0 0	0	1,028,048
Total for Abb Enterprise Software In	С.	149	0	149	0	0	149	O)	0	0 0	0	1,105,637
HALIFAX	AQUATIC CO)						1100 IND	USTRIAL I	PARK RD F	IALIFAX IND	U SYRIØS LC	de 326191
METHYL METHACRYLATE	N	728	9,272	10,000	0	0	10,000	()	0	60 60	0	252
STYRENE	N	13,216	155,788	169,004	0	0	169,004	()	0 7	95 795	0	2,436
Total for Aquatic Co		13,944	165,060	179,004	0	0	179,004	O)	0 8	55 855	0	2,688
HALIFAX	CLOVER PO	WER STA	TION					4091 CLC	OVER RD			NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
BARIUM COMPOUNDS	N	0	0	0	78,800	763	79,563	()	0	0 0	0	0

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Facility County/Independent City				On-Site 1						agement		Off-Site	Transfers
			fı	om Section	5 of Form	R		fro	om Section 8	8 of Form R		from Sectio	n 6 of Form R
Facility Name/Add	iress	TE *4*	G ₄ 1	T . 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HYDROCHLORIC ACID (1995 AND A	N	0	4,920	4,920	0	0	4,920	0		0 678,00	0 678,000	0	0
HYDROGEN FLUORIDE	N	0	2,460	2,460	0	0	2,460	0)	0 82,80	0 82,800	0	0
MANGANESE COMPOUNDS	N	0	184	184	20,700	2,250	23,134	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
SULFURIC ACID (1994 AND AFTER "	N	0	179,000	179,000	0	0	179,000	0)	0 63,60	0 63,600	0	0
VANADIUM COMPOUNDS	N	0	59	59	30,600	0	30,659	0)	0	0 0	0	0
ZINC COMPOUNDS	N	0	0	0	18,400	307	18,707	0)	0	0 0	0	0
Total for Clover Power Station		0	186,623	186,623	148,500	3,320	338,443	0		0 824,40	0 824,400	0	0
HALIFAX HU	BER ENG	NEERED	WOODS L	LC				1000 CHA	NEY LN			NAICS Co	de 321219
ACETALDEHYDE	N	395	5,595	5,990	0	0	5,990	0	1	0 61,91	2 61,912	0	0
ACROLEIN	N	353	12,524	12,877	0	0	12,877	0)	0 22,88	1 22,881	0	0
DIISOCYANATES	N	0	54	54	0	0	54	0)	0	1 1	0	0
FORMALDEHYDE	N	109	16,236	16,345	0	0	16,345	0)	0 190,29	8 190,298	0	0
METHANOL	N	572	8,317	8,889	0	0	8,889	0)	0 99,32	5 99,325	0	0
PHENOL	N	728	15,710	16,438	0	0	16,438	0)	0 70,21	5 70,215	0	0
Total for Huber Engineered Woods Llc		2,157	58,436	60,593	0	0	60,593	0		0 444,63	2 444,632	0	0
HALIFAX VO	ESTALPIN	NE HIGH I	PERFORM	ANCE ME	TALS - SO	OUTH BOS	TON PLA	2306 EAS	TOVER DE	R		NAICS Co	de 331222
CHROMIUM	N	0	0	0	0	0	0	0	1	0	0 0	0	8,963
COBALT	N	0	0	0	0	0	0	0)	0	0 0	0	4,488
METHANOL	N	5	5	10	0	0	10	0)	0	0 0	0	0
Total for Voestalpine High Performance N	letals - Sou	5	5	10	0	0	10	0	ı	0	0 0	0	13,451

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Facility County/Independent (City				Release					agement		Off-Site	Transfers
	•		fı	om Section	n 5 of Form	R		fr	om Section 8	8 of Form R		from Section	on 6 of Form R
Facility Name	Adaress	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
~- · · · · ·		Air	Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (25 report	rts)	16,280	410,124	426,404	1148,500	3,320	578,224	ı c)	0 1,269,88	7 1,269,887	0	1,322,871
HAMPTON (CITY)	CATALINA C	CYLINDE	RS INC					2400 ALU	JMINUM A	VE		NAICS C	ode 331318
NITRATE COMPOUNDS	N	0	0	(0 0	0	C) ()	0	0 0	26,935	19,401
NITRIC ACID	N	0	0	(0 0	0	C) ()	0 47,09	1 47,091	0	0
Total for Catalina Cylinders Inc		0	0	(0	0	0	O)	0 47,09	1 47,091	26,935	19,401
HAMPTON (CITY)	HOWMET CA	ASTINGS	& SERVIC	ES INC				ONE HO	WMET DR			NAICS C	ode 331529
4,4'-ISOPROPYLIDENEDIPHENOL	N	0	0	(0 0	0	C) ()	0 1,00	1,001	51	100,796
CHROMIUM	N	0	4	4	4 0	0	4	1)	0	0 0	16	8,123
COBALT	N	0	5	4	5 0	0	5	5)	0	0 0	5	6,361
HYDROGEN FLUORIDE	N	0	343	343	3 0	0	343	3)	0 36,02	8 36,028	29	70,435
NICKEL	N	0	8	8	3 0	0	8	3)	0	0 0	35	37,994
NITRIC ACID	N	0	1,218	1,218	3 0	0	1,218	3)	0 1,76	1,761	0	51,383
Total for Howmet Castings & Service	es Inc	0	1,578	1,578	3 0	0	1,578	3 0)	0 38,79	0 38,790	136	275,092
HAMPTON (CITY)	TIDEWATER	WOOD P	RODUCTS	, LLC				5604 CIT	Y LINE RD			NAICS C	ode 321114
COPPER COMPOUNDS	Y	0	0	(0 0	0	C) ()	0	0 0	0	0
Total for Tidewater Wood Products,	Llc	0	0	(0	0	0	o c)	0	0 0	0	0
HAMPTON (CITY)	U.S. DOD, USA	AF, JOIN	Γ BASE LA	NGLEY E	USTIS - L	ANGLEY A	AFB	633 CES/	CEIE 37 SW	VEENEY BL	VD	NAICS C	ode 928110
NAPHTHALENE	N	0	76	76	6 0	0	76	5)	0	0 0	0	0
Total for U.S. Dod, Usaf, Joint Base	Langley Eustis -	0	76	76	6 0	0	76	s c)	0	0 0	0	0
Total for Above County: (10 report	rts)	0	1,654	1,654	1 0	0	1,654	ı c)	0 85,88	1 85,881	27,071	294,493
HANOVER	CHEMTREAT	ΓINC						10040 LIG	CKINGHOI	LE RD		NAICS C	ode 325998

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Facility County/Independent	City			On-Site						agemen		Off-Site 7	
	·		fı	om Section	5 of Form	R	T . 1	fr	om Section	8 of Form R		from Section	
Facility Name	e/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
SODIUM NITRITE	N	0	0	0	0	0	C	0)	0	0 0	0	3,454
ZINC COMPOUNDS	N	0	0	0	0	0	C	O)	0	0 0	0	0
Total for Chemtreat Inc		0	0	0	0	0	0	0)	0	0 0	0	3,454
HANOVER	COMMONWI	EALTH G	ALVANIZI	NG				10988 LE	ADBETTE	R RD		NAICS Cod	e 332812
ZINC COMPOUNDS	N	0	0	0	0	83	83	C)	0	0 0	19	45,666
Total for Commonwealth Galvanizin	ıg	0	0	0	0	83	83	0)	0	0 0	19	45,666
HANOVER	CONCRETE	PIPE & PR	RECAST LI	LC-HANOV	ER PIPE	PLANT		10350 DE	SIGN RD			NAICS Cod	e 327332
MANGANESE	N	0	29	29	0	0	29	C)	0	0 0	0	0
Total for Concrete Pipe & Precast L	lc-Hanover Pipe	0	29	29	0	0	29	0)	0	0 0	0	0
HANOVER	DOSWELL L	P						10098 OL	D RIDGE I	RD		NAICS Cod	e 221112
1,2,4-TRIMETHYLBENZENE	N	5	61,638	61,643	0	0	61,643	C)	0	0 0	0	0
AMMONIA	N	5	357,026	357,031	0	0	357,031	C)	0	0 0	0	0
NAPHTHALENE	N	5	33,901	33,906	0	0	33,906	6)	0	0 0	0	0
N-HEXANE	N	5	61,638	61,643	0	0	61,643	C)	0	0 0	0	0
Total for Doswell Lp		20	514,203	514,223	0	0	514,223	0)	0	0 0	0	0
HANOVER	SOUTH ATLA	ANTIC GA	LVANIZIN	NG LLC				11022 LE	WISTOWN	RD		NAICS Cod	e 332812
ZINC COMPOUNDS	N	5,656	0	5,656	0	79	5,735	c)	0	0 0	0	288,256
Total for South Atlantic Galvanizing	Llc	5,656	0	5,656	0	79	5,735	0)	0	0 0	0	288,256
HANOVER	TYSON FARM	MS INC 1	PROCESSI	NG FACIL	ITY			13264 MC	OUNTAIN I	RD		NAICS Cod	e 311615
NITRATE COMPOUNDS	N	0	0	0	0	55,000	55,000	C)	0 540,0	540,000	0	350
PERACETIC ACID	N	20	0	20	0	0	20	O)	0 360,0	360,000	0	0
Total for Tyson Farms Inc Proces	sing Facility	20	0	20	0	55,000	55,020	O)	0 900,0	900,000	0	350

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Facility County/Independent	City			On-Site 1						agement	-	Off-Site	Transfers
· · · · ·	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	<u> 6 of Form R</u>
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (11 repo	rts)	5,696	514,232	519,928	0	55,161	575,089	0)	0 900,00	900,000	19	337,726
HARRISONBURG (CITY)	CARGILL TU	RKEY PE	RODUCTIO	ON LLC				1 KRATZ	ER AVE			NAICS Cod	de 311119
COPPER COMPOUNDS	Y	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
ZINC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Cargill Turkey Production L	_lc	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	DRIV							3160 ABB	OTT LN			NAICS Cod	de 336390
CHROMIUM	N	0	4	4	0	0	4	()	0	0 0	0	182,847
COBALT	N	0	4	4	0	0	4	()	0	0 0	0	7,663
COPPER	N	0	0	0	0	0	0	()	0	0 0	0	38,277
MANGANESE	N	0	1,318	1,318	0	0	1,318	3)	0	0 0	0	192,547
NICKEL	N	0	4	4	0	0	4	()	0	0 0	0	93,706
Total for Driv		0	1,330	1,330	0	0	1,330	O)	0	0 0	0	515,040
HARRISONBURG (CITY)	GEORGE'S F	OODS LL	C FEED M	ILL				61 KRAT	ZER RD			NAICS Cod	le 311119
COPPER COMPOUNDS	Y	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
ZINC COMPOUNDS	Y	0	0	0	0	0	0))	0	0 0	0	0
Total for George'S Foods Llc Feed	Mill	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	GILMER IND	USTRIES	INC					560 STON	NE SPRING	RD		NAICS Cod	de 325611
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0))	0	0 0	48	48
DIETHANOLAMINE	N	0	0	0	0	0	0))	0	0 0	1	1
NITRIC ACID	N	0	0	0	0	0	0))	0	0 0	75	75
								•					

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Facility County/Independent	City			On-Site						agement		Off-Site T	
• • •	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section (
Facility Nam	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total	ı	Total Other
		Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Gilmer Industries Inc		0	0	0	0	0	0	0)	0	0 0	124	124
HARRISONBURG (CITY)	KERRY INC.							1711 N LI	BERTY ST			NAICS Code	311613
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	0	10,285
Total for Kerry Inc.		0	0	0	0	0	0	O)	0	0 0	0	10,285
HARRISONBURG (CITY)	PILGRIM'S P	RIDE CO	RP HARRI	SONBURG	FEEDMI	LL		590 MT C	CLINTON P	PIKE		NAICS Code	311119
COPPER COMPOUNDS	Y	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
ZINC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Pilgrim'S Pride Corp Harris	sonburg Feedmill	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	QUARLES PE	ETROLEU	M INC HA	RRISONB	URG BUL	K PLANT		1006 W M	IARKET S	Γ		NAICS Code	424710
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
ETHYLBENZENE	Y	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
TOLUENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Quarles Petroleum Inc Ha	rrisonburg Bulk Pl	0	0	0	0	0	0	O)	0	0 0	0	0
Total for Above County: (24 repo	orts)	0	1,330	1,330	0	0	1,330	O)	0	0 0	124	525,449
HENRICO	ENNIS-FLINT	T RICHMO	OND					4400 VAV	VTER AVE			NAICS Code	325510
CERTAIN GLYCOL ETHERS	N	0	64	64	0	0	64	()	0	0 0	0	0
METHANOL	N	0	9,729	9,729	0	0	9,729	()	0	0 0	0	0
Total for Ennis-Flint Richmond		0	9,793	9,793	0	0	9,793	o)	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)

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

Facility County/Independent	City			On-Site 1				On-S	Site Man	agement	·	Off-Site 7	ransfers
, , ,	•		fı	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
CL : IN		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HENRICO	IR ENGRAVI	NG LLC						5901 LEV	VIS RD			NAICS Code	e 323111
COPPER	N	1	1	2	0	0	2	2)	0	0 0	1	1,342
NITRIC ACID	N	0	220	220	0	0	220))	0	0 0	0	2,977
Total for Ir Engraving Llc		1	221	222	0	0	222	2 0)	0	0 0	1	4,319
HENRICO	JOHNS MANV	VILLE CO	ORP HAMI	LTON PLA	NT			7400 RAN	ICO RD			NAICS Code	e 322220
ANTIMONY COMPOUNDS	N	0	0	0	0	0	C) ()	0	0 0	0	1,107
Total for Johns Manville Corp Hamil	ton Plant	0	0	0	0	0	0	0)	0	0 0	0	1,107
HENRICO	SOUTHERN (GRAPHIC	SYSTEMS	LLC				5301 LEV	VIS RD			NAICS Code	e 323120
COPPER COMPOUNDS	N	26	237	263	0	0	263	3)	0	0 0	0	48,753
Total for Southern Graphic Systems	Llc	26	237	263	0	0	263	s o)	0	0 0	0	48,753
Total for Above County: (6 report	rs)	27	10,251	10,278	0	0	10,278	s o	1	0	0 0	1	54,179
HENRY	BASSETT PLA	ANT 11						PATRIO	CENTRE	AT BEAVE	R CREEK	NAICS Code	e 337122
N-BUTYL ALCOHOL	N	0	10,618	10,618	0	0	10,618	8)	0	0 0	0	10,617
TOLUENE	N	0	9,397	9,397	0	0	9,397	7)	0	0 0	0	9,396
Total for Bassett Plant 11		0	20,015	20,015	0	0	20,015	0)	0	0 0	0	20,013
HENRY	CPFILMS, IN	C.						345 BEAV	ER CREE	K DR		NAICS Code	e 326112
DIISOCYANATES	N	0	0	0	0	0	C) ()	0	0 0	0	9,362
ETHYLENE GLYCOL	N	5	1,977	1,982	0	0	1,982	2	1,741,29	5 53,56	1,794,855	10,006	41,105
METHYL ISOBUTYL KETONE	N	5	126	131	0	0	131	. ()	0 12,43	1 12,431	0	5
N-HEXANE	N	5	710	715	0	0	715	5)	0 70,27	6 70,276	0	7,189
N-METHYL-2-PYRROLIDONE	N	5	32	37	0	0	37	7)	0 75,59	75,597	20,282	631,629
TOLUENE	N	5	7,141	7,146	0	0	7,146	5)	0 664,69	1 664,691	0	43,486

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Facility County/Independent C	it.		()n-Site I	Release	S		On-S	ite Mana	agement		Off-Site	Transfers
	•		fr	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	n 6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Cpfilms, Inc.		25	9,986	10,011	0	0	10,011	0	1,741,295	876,55	5 2,617,850	30,288	732,776
HENRY	EASTMAN PI	ERFORMA	ANCE FILM	AS, LLC - I	PLANT II			4129 THE	GREAT RI)		NAICS Co	de 326130
ACRYLIC ACID	N	36	711	747	0	0	747	0	0	41,900	41,900	0	3,210
ETHYLENE GLYCOL	N	96,100	4,100	100,200	0	0	100,200	0	0	594,000	594,000	75,000	204,880
METHYL ISOBUTYL KETONE	N	80	1,600	1,680	0	0	1,680	0	0	46,200	46,200	0	8,267
N-HEXANE	N	66	1,320	1,386	0	0	1,386	0	0	97,000	97,000	0	0
N-METHYL-2-PYRROLIDONE	N	129,000	494	129,494	0	0	129,494	0	0	600,000	600,000	22,800	529,010
TOLUENE	N	449	9,000	9,449	0	0	9,449	0	0	516,000	516,000	0	61,830
Total for Eastman Performance Films	s, Llc - Plant li	225,731	17,225	242,956	0	0	242,956	0	0	1,895,100	1,895,100	97,800	807,197
HENRY	EASTMAN PI	ERFORMA	ANCE FILM	MS, LLC-A	XTON FA	CILITY		47 BRENI	DA DR			NAICS Co	de 326130
ETHYLENE GLYCOL	N	2,100	943	3,043	0	0	3,043	0	0	(0	0	9,240
N-METHYL-2-PYRROLIDONE	N	6,410	75	6,485	0	0	6,485	0	0	(0	0	19,490
Total for Eastman Performance Films	s, Llc-Axton Faci	8,510	1,018	9,528	0	0	9,528	0	0)	0	0	28,730
HENRY	EASTMAN PI	ERFORMA	ANCE FILM	AS, LLC-PI	LANT 1			4210 THE	GREAT RI)		NAICS Co	de 326130
TOLUENE	N	159	3,190	3,349	0	0	3,349	0	0	183,000	183,000	0	49,600
Total for Eastman Performance Films	s, Llc-Plant 1	159	3,190	3,349	0	0	3,349	0	0	183,000	183,000	0	49,600
HENRY	MEHLER EN	GINEERE	D PRODU	CTS				175 MEH	LER LN			NAICS Co	de 314994
DIISOCYANATES	N	0	0	0	0	0	0	0	0	(0	0	720
TOLUENE	N	283	7	290	0	0	290	687,495	0	(687,495	0	13,327
XYLENE (MIXED ISOMERS)	N	5	0	5	0	0	5	27,618	0	(27,618	0	274
Total for Mehler Engineered Products	S	288	7	295	0	0	295	715,113	0) (715,113	0	14,321
HENRY	RTI MARTIN	SVILLE II	NC					101 RTI V	VAY			NAICS Co	de 332112

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Facility County/Independent Cit	y			On-Site I					ite Mana m Section 8	agement			Transfers
Facility Name/A	ddress	Fugitive	Stack	Total	3 01 F01III	I.K	Total On-Site	Energy	in Section 8	of Form K	Total On-Site	irom Section	on 6 of Form R Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
ALUMINUM (FUME OR DUST)	N	11	1,125	1,136	0	0	1,136	0	0	0	0	0	59,505
Total for Rti Martinsville Inc		11	1,125	1,136	0	0	1,136	0	0	0	0	0	59,505
Total for Above County: (21 reports)		234,724	52,566	287,290	0	0	287,290	715,113	1,741,29	5 2,954,655	5 5,411,063	128,088	1,712,142
HOPEWELL (CITY)	ADVANSIX II	NC HOPE	WELL PLA	NT				905 E RAN	NDOLPH R	D		NAICS Co	ode 325199
ACETALDEHYDE	N	1,099	698	1,797	0	0	1,797	0	0	317,044	317,044	1,191	0
AMMONIA	N	6,124	868,105	874,229	0	72,678	946,907	0	0	0	0	88,873	3,052
BENZENE	N	552	8,298	8,850	0	289	9,139	0	82,083	176,033	258,116	134	18
COPPER COMPOUNDS	N	0	0	0	0	2,393	2,393	0	0	0	0	94	4,103
CYCLOHEXANOL	N	641	3,208	3,849	0	61,886	65,735	0	0	22,884	22,884	32,811	0
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	14,337	380
METHANOL	N	212	12,123	12,335	0	0	12,335	1,160,820	0	0	1,160,820	4,798	453
NITRATE COMPOUNDS	N	0	3,420	3,420	0	132,508	135,928	0	0	0	0	324,053	0
PHENOL	N	1,089	20,992	22,081	0	1,446	23,527	0	0	46,529	46,529	7,744	1,004,539
SULFURIC ACID (1994 AND AFTER "	N	3,539	43,338	46,877	0	0	46,877	0	1,640,520	0	1,640,520	0	0
TOLUENE	N	2,096	10,105	12,201	0	276	12,477	0	70,691	225,532	296,223	526	1,611
Total for Advansix Inc Hopewell Plant		15,352	970,287	985,639	0	271,476	1,257,115	1,160,820	1,793,294	788,022	3,742,136	474,561	1,014,156
HOPEWELL (CITY)	ASHLAND SP	ECIALTY	INGREDI	ENTS GP				1111 HER	CULES RD			NAICS Co	ode 325199
CERTAIN GLYCOL ETHERS	N	9	0	9	0	0	9	0	0	0	0	0	261,556
CHLOROACETIC ACID	N	828	2	830	0	0	830	0	0	0	0	0	0
CHLOROETHANE	N	78,091	1,886	79,977	0	0	79,977	0	81,736	0	81,736	16	2
ETHYLENE	N	5,440	61,649	67,089	0	0	67,089	0	0	0	0	0	0
ETHYLENE GLYCOL	N	72	0	72	0	0	72	0	0	0	0	2,298,660	2,182,765

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Facility County/Independent (~its		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fr	om Section 8	of Form R		from Sectio	n 6 of Form R
Facility Name	/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ETHYLENE OXIDE	N	922	76	998	0	0	998	() () 85	5 85	16	2
METHANOL	N	276,831	2,556	279,387	0	0	279,387	(87,031,325	5	87,031,325	196,049	199,411
NITRATE COMPOUNDS	N	0	0	0	0	0	0	() () (0	5,751,516	5,231,076
NITRIC ACID	N	2,311	5	2,316	0	0	2,316	() () (0	0	0
PROPYLENE OXIDE	N	2,541	132	2,673	0	0	2,673	() (108	3 108	15	1
TERT-BUTYL ALCOHOL	N	96,765	7,189	103,954	0	0	103,954	(180,023,792	2 0	180,023,792	86,325	84,770
Total for Ashland Specialty Ingredie	nts Gp	463,810	73,495	537,305	0	0	537,305	C	267,136,853	3 193	3 267,137,046	8,332,597	7,959,583
HOPEWELL (CITY)	EVONIK IND	USTRIES						914 E RA	NDOLPH R	D		NAICS Co	de 325613
ACRYLIC ACID	N	0	660	660	0	0	660	0) () (0	176	756
ALLYL ALCOHOL	N	27	120	148	0	0	148	() (2,404	2,404	0	0
CHLOROACETIC ACID	N	0	289	289	0	0	289	() (5,780	5,780	0	0
ETHYLENE GLYCOL	N	2	479	480	0	0	480	() () (0	7,678	0
ETHYLENE OXIDE	N	56	17	73	0	0	73	C) () (0	0	0
N-BUTYL ALCOHOL	N	27	18	46	0	0	46	() (363	363	0	6,912
PROPYLENE OXIDE	N	50	17	67	0	0	67	() (17,174	17,174	0	0
Total for Evonik Industries		163	1,601	1,763	0	0	1,763	O) (25,721	25,721	7,854	7,668
HOPEWELL (CITY)	WESTROCK	CP LLC						910 INDU	STRIAL ST	•		NAICS Co	de 322130
AMMONIA	N	0	54,600	54,600	0	0	54,600	0) () (0	6,600	3,960
BARIUM COMPOUNDS	N	0	556	556	0	0	556	() () (0	0	15,700
CATECHOL	N	0	0	0	0	0	0	() () (0	414	381
FORMALDEHYDE	N	0	5,220	5,220	0	0	5,220	() (2,070	2,070	6,141	5,650
HYDROCHLORIC ACID (1995 ANI	DA N	0	30,400	30,400	0	0	30,400	C) () (0	0	0
HYDROGEN SULFIDE	N	0	20,100	20,100	0	0	20,100	() (49,200	49,200	160,000	160,000
								•					

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Facility County/Independent C	itv			On-Site 1						agement		Off-Site	Transfers
· · ·	•		fi	rom Section	5 of Form	R		fr	om Section 8	3 of Form R		from Section	n 6 of Form R
Facility Name/	Address form A*	Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery (pounds)			Total On-Site Management		Total Other Off-Site Transfers **
MANGANESE COMPOUNDS	N	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)		(pounds)	(pounds)	(pounds)	(pounds) 26,206	(pounds) 116,000
METHANOL	N N	0	222,000	222,000	0	0	222,000	(0 247,000		5,209,200	4,790,000
PHENOL	N N	0	5,390	5,390	0	0	5,390			0 1,480	,	6,033	5,550
Total for Westrock Cp Llc	IN	0	338,376	338,376	0	0	338,376			0 299,750	,	ŕ	5,097,241
•	WESTROCK	CP, LLC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•		,		STRIAL ST	•		NAICS Co	, ,
ACETALDEHYDE	N	0	10,500	10,500	0	0	10,500	()	0 2,850	2,850	0	89,800
Total for Westrock Cp, Llc		0	10,500	10,500	0	0	10,500	o)	0 2,850	2,850	0	89,800
Total for Above County: (39 reports	s)	479,325	1,394,259	1,873,583	0	271,476	2,145,059	1,160,820	268,930,14	7 1,116,53	6 271,207,503	14,229,606	14,168,448
ISLE OF WIGHT	INTERNATIO	ONAL PAI	PER FRANI	KLIN MILI	L			34040 UN	ION CAMP	DR		NAICS Co	ode 322110
ACETALDEHYDE	N	6,997	20,964	27,961	0	375	28,336	()	0 45,162	2 45,162	0	4
AMMONIA	N	0	117,824	117,824	0	1,263	119,087	()	0 173,076	5 173,076	0	18
BARIUM COMPOUNDS	N	0	22	22	0	452	474	()	0	0	0	3,911
CATECHOL	N	0	0	0	0	38	38	()	0 744	4 744	0	1
CHLORINE	N	5	6,025	6,030	0	0	6,030	()	234,377	7 234,377	0	0
CHLORINE DIOXIDE	N	5	1,830	1,835	0	0	1,835	()	9,914,170	9,914,170	0	0
CRESOL (MIXED ISOMERS)	N	14,268	2,628	16,896	0	5	16,901	()	9,438	9,438	0	3
FORMALDEHYDE	N	818	8,000	8,818	0	1,103	9,921	C)	35,196	35,196	0	13
FORMIC ACID	N	0	0	0	0	81	81	()) (0	0	0
HYDROCHLORIC ACID (1995 AND	A N	0	52,348	52,348	0	0	52,348	C)) (0	0	0
HYDROGEN SULFIDE	N	91,975	50,053	142,028	0	169	142,197	()	0 484,130	484,130	0	320
MANGANESE COMPOUNDS	N	0	60	60	0	6,087	6,147	()	0 (0	0	48,412
METHANOL	N	306,418	462,330	768,748	0	0	768,748	()	0 6,712,595	6,712,595	0	4,427

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Facility County/Independent	City		(On-Site I	Release	S				agement		Off-Site	Transfers
, , ,	•		fı	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	1 6 of Form R
Facility Name	e/Address						Total	E			Total		Total Other
		Fugitive	Stack Air	Total	T J	W-4	On-Site	Energy	D	T4	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	Air (pounds)	(pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
NITRATE COMPOUNDS	N	0	0	0	· /	24,027	24,027		4 /	· ·) 0	u ,	22
PHENOL	N	640	16,578	17,218	0	6	17,224	. ()	0 2,488	3 2,488	0	3
Total for International Paper Franklin	n Mill	421,126	738,662	1,159,788	0	33,606	1,193,394			0 17,611,37	6 17,611,376	0	57,134
ISLE OF WIGHT	SMITHFIELD	FRESH N	MEATS CO	RP SMITH	IFIELD, V	'A FACILI'	ΤY	601 N CH	URCH ST			NAICS Coo	de 311612
AMMONIA	N	24,181	198	24,379	0	70	24,449	()	0	0	7,673	29
HYDROGEN SULFIDE	N	27,338	159	27,497	0	0	27,497	()	0	0	104,216	19
NITRATE COMPOUNDS	N	0	0	0	0	250	250	()	0	0	1,510,972	953
Total for Smithfield Fresh Meats Co	rp Smithfield, Va	51,519	357	51,876	0	320	52,196	()	0	0	1,622,861	1,001
Total for Above County: (18 report	rts)	472,645	739,019	1,211,664	0	33,926	1,245,590	C)	0 17,611,37	6 17,611,376	1,622,861	58,135
JAMES CITY	ANHEUSER-I	BUSCH LI	LC					7801 POC	CAHONTAS	TRAIL		NAICS Coo	de 312120
AMMONIA	N	5,460	11,150	16,610	0	0	16,610	()	0	0	0	1,052
Total for Anheuser-Busch Llc		5,460	11,150	16,610	0	0	16,610	C)	0	0	0	1,052
JAMES CITY	BALL META	L BEVER	AGE CONT	TAINER CO	ORP			8935 POC	CAHONTAS	TRAIL JAN	MES RIVER (COMMYCERCO	de 332431
CERTAIN GLYCOL ETHERS	N	60,000	300,000	360,000	0	0	360,000	()	0	0	0	744
N-BUTYL ALCOHOL	N	37,000	170,000	207,000	0	0	207,000	()	0	0	0	302
SULFURIC ACID (1994 AND AFTE	ER" Y	0	0	0	0	0	0	()	0	0	0	0
Total for Ball Metal Beverage Conta	iner Corp	97,000	470,000	567,000	0	0	567,000	C		0	0	0	1,046
JAMES CITY	GREYSTONE	OF VIRG	GINIA INC					7992 RIC	HMOND R	D		NAICS Co	de 332813
CHROMIUM COMPOUNDS(EXCE	PT N	0	0	0	0	0	0	()	0	0	34	9,003
Total for Greystone Of Virginia Inc		0	0	0	0	0	0	C)	0 (0	34	9,003
Total for Above County: (5 report	s)	102,460	481,150	583,610	0	0	583,610	()	0	0 0	34	11,101

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

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

Facility County/Independent Ci	tv			On-Site 1						agement		Off-Site	
			fı	om Section	5 of Form	R	- T	fr	om Section	8 of Form R		from Section	
Facility Name/A	auress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
KING GEORGE	BIRCHWOOI	D POWER	FACILITY	7				10900 BII	RCHWOOD	DR	•	NAICS Cod	e 221112
AMMONIA	N	44	29	73	0	0	73	()	0 42,11	7 42,117	0	251
HYDROCHLORIC ACID (1995 AND A	A N	0	736	736	0	0	736	()	0 61,27	1 61,271	0	0
SULFURIC ACID (1994 AND AFTER	" N	0	103	103	0	0	103	()	0 22,54	4 22,544	0	0
Total for Birchwood Power Facility		44	868	912	0	0	912	C)	0 125,93	2 125,932	0	251
KING GEORGE	CMC REBAR	VA KINO	GEORGE					10924 DE	NNIS W KI	ERNS PKWY	<i>I</i>	NAICS Cod	e 332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Cmc Rebar Va King George		0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (4 reports)		44	868	912	0	0	912	c)	0 125,93	2 125,932	0	251
KING WILLIAM	WESTROCK	CP, LLC						1901 MA	IN ST			NAICS Cod	e 322110
ACETALDEHYDE	N	56	24,794	24,850	0	1,179	26,029	()	0 19,20	0 19,200	0	1
AMMONIA	N	254	129,045	129,300	0	879	130,178	()	0	0 0	0	0
BARIUM COMPOUNDS	N	0	608	608	0	0	608	()	0	0 0	0	28,924
CATECHOL	N	0	0	0	0	4	5	()	0 43	8 438	0	0
CHLORINE	N	5	7	12	0	0	12	()	0 66	7 667	0	0
CHLORINE DIOXIDE	N	5	70	75	0	0	75	()	0 6,92	0 6,920	0	0
CRESOL (MIXED ISOMERS)	N	7	247	254	0	4	258	()	0 15,30	0 15,300	0	0
FORMALDEHYDE	N	11	11,034	11,045	0	672	11,717	()	0 12,80	0 12,800	0	1
FORMIC ACID	N	0	1	1	0	3,054	3,054	. ()	0 1	1 11	0	1
HYDROCHLORIC ACID (1995 AND A	A N	0	44,677	44,677	0	0	44,677	()	0 21,40	0 21,400	0	0
HYDROGEN SULFIDE	N	5,092	44,898	49,991	0	183	50,174	. ()	0 224,63	9 224,639	0	11
MANGANESE COMPOUNDS	N	0	329	329	0	47,038	47,367	()	0	0 0	0	140,000

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2019 Toxics Release Inventory

Appendix F

Facility County/Independent C	City			On-Site 1						agement			Transfers
Facility Name/	•		fı	rom Section	5 of Form	ı R	Total	fr	om Section 8	3 of Form R	T.4.1	from Section	on 6 of Form R
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	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	9,095	434,621	443,716	0	6,563	450,279	() (3,670,000	3,670,000	0	88
PHENOL	N	18	16,464	16,482	0	1,954	18,436	() (8,610	8,610	0	1
ZINC COMPOUNDS	N	0	171	171	0	558	729	() () (0	0	20,439
Total for Westrock Cp, Llc		14,544	706,964	721,508	0	62,088	783,596	C) (0 3,979,98	3,979,985	0	189,466
Total for Above County: (15 report	ts)	14,544	706,964	721,508	0	62,088	783,596	C)	0 3,979,98	5 3,979,985	0	189,466
LOUDOUN	CHANTILLY	READY N	MIX CONC	RETE				25232 WI	LLARD RO	AD		NAICS C	ode 327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	() (0 (0	0	0
Total for Chantilly Ready Mix Concre	te	0	0	0	0	0	0	C) (0 (0	0	0
LOUDOUN	MENZIES AV	TATION I	FUELING (OPERATIO	NS WASI	I DULLES	INTERN	TANK FA	ARM RD BU	JILDING 2		NAICS C	ode 424710
1,2,4-TRIMETHYLBENZENE	N	117	0	117	0	0	117	() (0 (0	0	0
ARSENIC	N	1	0	1	0	0	1	() (0	0	0	0
BENZENE	N	75	0	75	0	0	75	() () (0	0	0
BERYLLIUM	N	0	0	0	0	0	0	() (0	0	0	0
CADMIUM	N	0	0	0	0	0	0	() () (0	0	0
CHROMIUM	N	1	0	1	0	0	1	() (0	0	0	0
ETHYLBENZENE	N	75	0	75	0	0	75	() () (0	0	0
METHYL TERT-BUTYL ETHER	N	704	0	704	0	0	704	() (0	0	0	0
NAPHTHALENE	N	179	0	179	0	0	179	(7,72	5 (7,725	0	1,387
N-HEXANE	N	47	0	47	0	0	47	() () (0	0	0
TOLUENE	N	338	0	338	0	0	338	() (0 (0	0	0
XYLENE (MIXED ISOMERS)	N	337	0	337	0	0	337	() () (0	0	0
Total for Menzies Aviation Fueling Op	perations Wash	1,874	0	1,874	0	0	1,874	C	7,72	5 (7,725	0	1,387

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Facility County/Independent C	`itv			On-Site						agement	-	Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section	1 6 of Form R
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LOUDOUN	SUPERIOR C	ONCRETE	E MATERI	ALS INC.	- DULLES			44146 WA	DE DR			NAICS Co	de 327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0		0	0 0	0	0
Total for Superior Concrete Materials	Inc Dulles	0	0	0	0	0	0	0		0	0 0	0	0
LOUDOUN	TTM TECHN	OLOGIES	NA LLC					1200 SEV	ERN WAY			NAICS Coo	de 334412
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	1	0	0 0	342	157,661
FORMALDEHYDE	Y	0	0	0	0	0	0	0)	0	0 0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	32,457	29,219
NITRIC ACID	N	5	5	10	0	0	10	0)	0 32,98	32,988	0	2,592
Total for Ttm Technologies Na Llc		5	5	10	0	0	10	0		0 32,98	32,988	32,799	189,473
LOUDOUN	TTM TECHN	OLOGIES	NORTH A	MERICA,	LLC.			1200 SEV	ERN WAY			NAICS Coo	de 334412
AMMONIA	N	263	6,504	6,767	0	0	6,767	0		0	0 0	0	10,777
SULFURIC ACID (1994 AND AFTER	R"N	5	5	10	0	0	10	0)	0 65	650	0	0
Total for Ttm Technologies North Am	nerica, Llc.	268	6,509	6,777	0	0	6,777	0		0 65	650	0	10,777
LOUDOUN	VIRGINIA CO	ONCRETE	CO INC-C	CHANTILL	Y			25086 TA	NNER LN			NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	304	304	0		0	0 0	0	0
Total for Virginia Concrete Co Inc-Ch	nantilly	0	0	0	0	304	304	0		0	0 0	0	0
LOUDOUN	VIRGINIA CO	ONCRETE	COCHRA	N MILL				42574 CO	CHRAN M	ILL RD		NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	400	400	0	1	0	0 0	0	0
Total for Virginia Concrete Cochran M	Mill	0	0	0	0	400	400	0		0	0 0	0	0
LOUDOUN	VIRGINIA CO	ONCRETE	DULLES	PLANT				44866 OL	D OX RD			NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	1,003	1,003	0		0	0 0	0	0
Total for Virginia Concrete Dulles Pla	ant	0	0	0	0	1,003	1,003	0		0	0 0	0	0

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Facility County/Independent C	itv			On-Site						agement			Transfers
Facility Name/A	•		fi	rom Section	5 of Form	R	Total	fre	om Section 8	3 of Form R	TP 4.1	from Section	1 6 of Form R
Facility Name/	Audress	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (23 reports	5)	2,147	6,514	8,661	0	1,707	10,367	0	7,72	5 33,63	8 41,363	32,799	201,636
LOUISA	GORDONSVI	LLE POW	ER STATI	ON				819 HILL	, RD			NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C) (0	0 0	0	0
AMMONIA	N	0	5,260	5,260	0	0	5,260	C) (0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	C) (0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C) (0	0 0	0	0
Total for Gordonsville Power Station		0	5,260	5,260	0	0	5,260	0)	0	0 0	0	0
LOUISA	OLD DOMINI	ION ELEC	CTRIC CO-	OP LOUIS	A GENER	ATION FA	CILITY	3352 KLC	OCKNER RI	D		NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C) (0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C) (0	0 0	0	0
Total for Old Dominion Electric Co-Op	Louisa Genera	0	0	0	0	0	0	0) (0	0 0	0	0
Total for Above County: (6 reports)	1	0	5,260	5,260	0	0	5,260	0)	0	0 0	0	0
LUNENBURG	VIRGINIA MA	ARBLE M	IANUFACT	URERS IN	C			1201 5TH	AVE			NAICS Co	de 326191
STYRENE	N	0	49,720	49,720	0	0	49,720	C) (0	0 0	0	0
STYRENE	N	0	62,500	62,500	0	0	62,500	C) (0	0 0	0	0
Total for Virginia Marble Manufacturer	s Inc	0	112,220	112,220	0	0	112,220	0) (0	0 0	0	0
Total for Above County: (2 reports))	0	112,220	112,220	0	0	112,220	0)	0	0 0	0	0
LYNCHBURG (CITY)	BANKER STE	EEL COM	PANY, LLO	C				1619 WY	THE RD			NAICS Co	de 332312
MANGANESE	N	0	0	0	0	0	0	C) (0	0 0	0	21,823
NICKEL	N	0	0	0	0	0	0	C) (0	0 0	0	22,171
Total for Banker Steel Company, Llc		0	0	0	0	0	0	O)	0	0 0	0	43,994

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Facility County/Independent	City			On-Site 1						agement	ţ	Off-Site 7	Transfers
	•		fı	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name	e/Address	E:4:	C4l-	T-4-1			Total On-Site	Energy			Total	'	Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LYNCHBURG (CITY)	DAVIS-FROS	T INC	,			4	<u>, , , , , , , , , , , , , , , , , , , </u>	3416 CAN	DLERS MO	OUNTAIN I	RD	NAICS Code	e 325510
CERTAIN GLYCOL ETHERS	N	419	0	419	0	0	419	C		0	0 0	0	0
NONYLPHENOL	N	398	0	398	0	0	398	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	2,246	0	2,246	0	0	2,246	C)	0	0 0	0	29,737
ZINC COMPOUNDS	N	332	0	332	0	0	332	C		0	0 0	0	0
Total for Davis-Frost Inc		3,395	0	3,395	0	0	3,395	0		0	0 0	0	29,737
LYNCHBURG (CITY)	FLOWSERVE	E CORP LY	YNCHBUR	G VA				5114 WO	ODALL RD)		NAICS Code	e 333995
COPPER	Y	0	0	0	0	0	0	C)	0	0 0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	C		0	0 0	0	0
Total for Flowserve Corp Lynchburg	Va	0	0	0	0	0	0	0		0	0 0	0	0
LYNCHBURG (CITY)	FRITO LAY I	INCORPO	RATED					230 JEFF	ERSON RII	DGE PARK	WAY	NAICS Code	e 311919
NITRIC ACID	N	0	0	0	0	0	0	C)	0 10,07	71 10,071	0	0
Total for Frito Lay Incorporated		0	0	0	0	0	0	0		0 10,07	71 10,071	0	0
LYNCHBURG (CITY)	GRIFFIN PIP	E PRODU	CTS CO					10 ADAM	S ST			NAICS Code	e 331511
DIISOCYANATES	N	0	0	0	0	0	0	C		0	0 0	0	2
MANGANESE COMPOUNDS	N	12	2,550	2,562	0	107	2,669	C)	0	0 0	0	58,193
ZINC COMPOUNDS	N	54	70,766	70,820	0	18	70,838	C		0	0 0	1,760	879,685
Total for Griffin Pipe Products Co		66	73,316	73,382	0	125	73,506	0		0	0 0	1,760	937,880
LYNCHBURG (CITY)	LSC COMMU	JNICATIO	NS / LYNC	CHBURG				4201 MUI	RRAY PL			NAICS Code	e 323111
TOLUENE	N	0	4,382	4,382	0	0	4,382	C)	0	0 0	0	66,245
ZINC COMPOUNDS	N	0	0	0	0	0	0	C		0	0 0	56	38
Total for Lsc Communications / Lynd	chburg	0	4,382	4,382	0	0	4,382	0		0	0 0	56	66,283

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Facility County/Independent (~itv			On-Site 1						agemen		Off-Site T	ransfers
• • •			fı	rom Section	5 of Form	R		fro	om Section	8 of Form R		from Section	of Form R
Facility Name	/Address						Total	E			Total		Total Other
		Fugitive	Stack	Total		XX7 .	On-Site	Energy	D 11	T	On-Site	DOTTI	Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
LYNCHBURG (CITY)	NORCRAFT (COMPANI	u /	(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	4	d	1 MILLR	4	(Prince)	4	NAICS Code	
CERTAIN GLYCOL ETHERS	N	0	12,131	12,131	0	0	12,131	0		0	0 0	0	4,180
XYLENE (MIXED ISOMERS)	N	0	27,282	27,282	0	0	27,282	0		0	0 0	0	9,400
Total for Norcraft Companies		0	39,413	39,413	0	0	39,413	0		0	0 0	0	13,580
LYNCHBURG (CITY)	SLOCUM AD	HESIVES	CORPORA	ATION				1409 BUC	HANAN S	Γ		NAICS Code	325520
1-BROMOPROPANE	N	937	0	937	0	0	937	0		0	0 0	0	0
CYCLOHEXANE	N	350	0	350	0	0	350	0		0	0 0	0	0
DICHLOROMETHANE	N	11,661	0	11,661	0	0	11,661	0		0	0 0	0	0
N-HEXANE	N	8,691	0	8,691	0	0	8,691	0		0	0 0	0	0
TOLUENE	N	11,897	0	11,897	0	0	11,897	0		0	0 0	0	0
TRICHLOROETHYLENE	N	3,598	0	3,598	0	0	3,598	0		0	0 0	0	0
Total for Slocum Adhesives Corpora	tion	37,134	0	37,134	0	0	37,134	0		0	0 0	0	0
LYNCHBURG (CITY)	WESTOVER I	DAIRY						2801 FOR	T AVE			NAICS Code	311511
NITRIC ACID	N	0	0	0	0	0	0	0		0 8,19	94 8,194	0	0
Total for Westover Dairy		0	0	0	0	0	0	0		0 8,19	94 8,194	0	0
Total for Above County: (23 repor	ts)	40,595	117,111	157,706	0	125	157,831	0		0 18,2	65 18,265	1,817 1	,091,474
MADISON	MADISON W	OOD PRES	SERVERS	INC.				216 OAK	PARK RD			NAICS Code	321114
CHROMIUM COMPOUNDS(EXCE	PT N	0	0	0	0	21	21	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	21	21	0		0	0 0	0	0
Total for Above County: (2 reports	s)	0	0	0	0	21	21	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)

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

Facility County/Independent	City			On-Site I					Site Mana				Fransfers
Facility Name	•		fi	rom Section	5 of Forn	n R	Total	fro	om Section 8	of Form R	Total	from Section	
racinty Ivani	c/11dd1 css	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment 1	Management (POTW	Transfers **
Chemical Tame	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MECKLENBURG	AMERICAN I	BUILDING	GS COMPA	NY-LA CR	OSSE			501 GOLI	DEN EAGLE	DR		NAICS Cod	e 332311
MANGANESE	N	24	0	24	0	0	24	0	0	0	0	0	10,684
Total for American Buildings Compa	any-La Crosse	24	0	24	0	0	24	0	0	0	0	0	10,684
Total for Above County: (1 record	d)	24	0	24	0	0	24	0	C	0	0	0	10,684
MONTGOMERY	ALLIANT TE	CHSYSTI	EMS OPER	ATIONS LI	LC (NEW	RIVER EN	ERGETI	RT 114 R	ADFORD AI	RMY AMMU	UNITION PL	ANTAICS Cod	e 325920
DIPHENYLAMINE	N	0	447	447	0	0	447	0	1,758	0	1,758	0	966
NITRATE COMPOUNDS	N	0	180	180	0	0	180	0	1,154	0	1,154	139,588	132,087
NITROGLYCERIN	N	0	33,693	33,693	0	0	33,693	0	115,117	0	115,117	71,470	112,567
Total for Alliant Techsystems Opera	ations Llc (New Ri	0	34,320	34,320	0	0	34,320	0	118,029	0	118,029	211,058	245,620
MONTGOMERY	BAE SYSTEM	1S, ORDN	ANCE SYS	TEMS INC				RADFOR	D ARMY AN	MMUNITIO	N PLANT 40	5(NPHPBICod	e 325920
2,4-DINITROTOLUENE	N	0	0	0	0	0	0	0	0	7,014	7,014	0	0
AMMONIA	N	19,233	61	19,294	0	848	20,142	0	0	0	0	0	0
CHLORINE	N	0	0	0	0	0	0	0	0	4,643	4,643	0	0
COPPER COMPOUNDS	N	233	2,087	2,320	0	62	2,382	0	0	0	0	0	0
DIBUTYL PHTHALATE	N	8	2	10	0	0	10	0	0	2,316	2,316	0	0
NITRATE COMPOUNDS	N	0	0	0	0	9,119,342	9,119,342	0	0	15,086	15,086	0	0
NITRIC ACID	N	733	659	1,392	9,275	0	10,667	0	31,232,952	9,119,342	40,352,294	0	0
NITROGLYCERIN	N	0	66,543	66,543	0	9,557	76,100	0	0	341,650	341,650	0	0
Total for Bae Systems, Ordnance S	Systems Inc	20,206	69,352	89,558	9,275	9,129,809	9,228,642	0	31,232,952	9,490,051	40,723,003	0	0
MONTGOMERY	FEDERAL M	OGUL PO	WERTRAI	N LLC.				300 INDU	STRIAL PA	RK RD SE		NAICS Cod	e 336350
ALUMINUM (FUME OR DUST)	N	106	10,587	10,693	0	0	10,693	0	0	0	0	0	274,046
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Facility County/Independent C	itv			On-Site I						agement		Off-Site	Transfers
• •	•		fı	om Section	5 of Form	n R		fr	om Section 8	8 of Form R		from Section	on 6 of Form R
Facility Name/	Address		Q: 1	m			Total	Enouge			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy	Dogwaling	Tucatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	Land (pounds)	(pounds)	(pounds)	Recovery (pounds)	(pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
COPPER	N	1	98	99	0	1	100		u ,	0 (u /	a ,	25,462
Total for Federal Mogul Powertrain Lle	C.	107	10,685	10,792	0	1	10,793	i c)	0 (0	0	299,508
MONTGOMERY	PROCHEM IN	NC						5100 ENT	ERPRISE I	DR		NAICS Co	ode 325998
BARIUM COMPOUNDS	N	0	0	0	0	0	0	()	0 (0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0) ()	0 (0	0	0
NITRIC ACID	N	0	0	0	0	0	0) ()	0 (0	0	0
PERACETIC ACID	N	0	0	0	0	0	0))	0 (0	0	0
SODIUM DIMETHYLDITHIOCARBA	A N	0	0	0	0	0	0))	0 (0	0	0
Total for Prochem Inc		0	0	0	0	0	0	()	0 () 0	0	0
MONTGOMERY	WOLVERINE	ADVANO	CED MATE	RIALS				3175 STA	TE ST			NAICS Co	ode 332812
ETHYLENE GLYCOL	N	0	101	101	0	0	101	()	0 10,046	10,046	0	0
METHANOL	N	0	195	195	0	0	195	i ()	0 24,887	24,887	0	596
METHYL ISOBUTYL KETONE	N	73	6,929	7,001	0	0	7,001	. ()	0 643,503	643,503	0	402
METHYL ISOBUTYL KETONE	N	11	1,281	1,292	0	0	1,292	. ()	0 181,743	181,743	0	61
N,N-DIMETHYLFORMAMIDE	N	0	129	129	0	0	129	()	0 10,443	10,443	0	0
N-HEXANE	N	0	283	283	0	0	283	()	0 23,474	23,474	0	0
TOLUENE	N	36	6,627	6,663	0	0	6,663	()	0 940,026	940,026	0	30,544
TOLUENE	N	259	22,355	22,614	0	0	22,614	. ()	0 1,819,715	1,819,715	0	147,513
ZINC COMPOUNDS	N	0	2	2	0	1	3	()	0 (0	0	0
ZINC COMPOUNDS	N	0	4	4	0	9	13	()	0 (0	0	1
Total for Wolverine Advanced Materia	als	379	37,906	38,285	0	11	38,295	()	0 3,653,837	7 3,653,837	0	179,117
Total for Above County: (29 report	s)	20,692	152,263	172,955	9,275	9,129,820	9,312,050	(31,350,98	13,143,88	8 44,494,869	211,058	724,246

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Facility County/Independent	City			On-Site					Site Man			Off-Site 7	Transfers
	-		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	
Facility Nam	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NEW KENT	TCS MATER	IALS NEW	V KENT RE	EADY-MIX				7480 REA	DY MIX D	R		NAICS Code	e 327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0	(37	5	0 375	0	0
Total for Tcs Materials New Kent R	eady-Mix	0	0	0	0	0	0	O	37	5	0 375	0	0
Total for Above County: (1 recor	d)	0	0	0	0	0	0	o	37	75	0 375	0	0
NEWPORT NEWS (CITY)	CANON VIRO	GINIA INC	Z.					12000 CA	NON BLVE)		NAICS Code	e 334419
METHANOL	N	668	191	859	0	0	859	(27,98	1	0 27,981	0	12,610
O-XYLENE	N	94	75	169	0	0	169	(36,23	4	0 36,234	0	13,529
Total for Canon Virginia Inc		762	266	1,028	0	0	1,028	o	64,21	5	0 64,215	0	26,139
NEWPORT NEWS (CITY)	HUNTINGTO	N INGAL	LS INCOR	PORATED				4101 WAS	SHINGTON	AVE		NAICS Code	e 336611
1,2,4-TRIMETHYLBENZENE	N	12,141	205	12,346	0	0	12,346	6)	0	0 0	7	1,713
CHROMIUM	N	128	0	128	0	115	244	()	0	0 0	9	25,218
COPPER COMPOUNDS	N	455	2	457	0	357	814	()	0	0 0	321	2,905
DIISOCYANATES	N	0	0	0	0	0	0	()	0	0 0	0	29,110
MANGANESE	N	1,015	3	1,018	0	345	1,364	()	0	0 0	125	66,674
N-BUTYL ALCOHOL	N	24,163	10,441	34,604	0	0	34,604	()	0	0 0	0	1,470
NICKEL	N	263	1	264	. 0	115	379	()	0	0 0	42	19,988
XYLENE (MIXED ISOMERS)	N	9,747	9,976	19,722	0	0	19,722	2)	0	0 0	21	30,025
ZINC COMPOUNDS	N	112	15	127	0	5,594	5,721	()	0	0 0	878	746
Total for Huntington Ingalls Incorpo	rated	48,024	20,643	68,667	0	6,527	75,194	• 0)	0	0 0	1,403	177,849
NEWPORT NEWS (CITY)	KINYO VIRG	GINIA INC						290 ENTI	ERPRISE D	R		NAICS Code	e 326299
TOLUENE	N	52,180	26,060	78,240	0	0	78,240	0)	0	0 0	0	24,168
Total for Kinyo Virginia Inc		52,180	26,060	78,240	0	0	78,240	O)	0	0 0	0	24,168

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Facility County/Independent	· City			On-Site 1						agement		Off-Site	Transfers
	· ·		fı	rom Section	5 of Form	R		fro	m Section 8	of Form R		from Section	n 6 of Form R
Facility Nam	ie/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NEWPORT NEWS (CITY)	MARVA MAI	D DAIRY						5500 CHES	STNUT AV	E		NAICS Co	de 311511
NITRIC ACID	N	0	0	0	0	0	0	0	(11,200	6 11,206	0	0
Total for Marva Maid Dairy		0	0	0	0	0	0	0	(11,20	6 11,206	0	0
NEWPORT NEWS (CITY)	MICA CO OF	CANADA	INC					900 JEFFE	RSON AV	E		NAICS Co	de 327999
METHANOL	N	250	17,365	17,615	0	0	17,615	0	() (0 0	0	0
TOLUENE	N	250	12,822	13,072	0	0	13,072	0	() (0 0	0	0
Total for Mica Co Of Canada Inc		500	30,187	30,687	0	0	30,687	0	() (0 0	0	0
NEWPORT NEWS (CITY)	PAPCO OIL O	COMPANY	Y					407 JEFFE	RSON AV	ENUE		NAICS Co	de 424710
NAPHTHALENE	Y	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
NEWPORT NEWS (CITY)	VITESCO TE	CHNOLO	GIES USA	LLC				615 BLAN	D BLVD			NAICS Co	de 336310
CHROMIUM	N	0	0	0	0	0	0	0	() (0 0	0	0
MANGANESE	N	0	0	0	0	0	0	0	() (0 0	0	0
Total for Vitesco Technologies Usa	a Llc	0	0	0	0	0	0	0	() (0 0	0	0
Total for Above County: (18 repo	orts)	101,466	77,156	178,622	0	6,527	185,149	0	64,21	5 11,20	6 75,421	1,403	228,156
NORFOLK (CITY)	BAE SYSTEM	AS NORFO	OLK SHIP I	REPAIR				750 W BEI	RKLEY AV	Æ		NAICS Co	de 336611
CHROMIUM COMPOUNDS(EXC	EPT N	38	0	38	0	0	38	0	() (0 0	5	96,817
COPPER COMPOUNDS	N	326	0	326	0	53	379	0	() (0 0	159	82,184
MANGANESE COMPOUNDS	N	1	0	1	0	0	1	0	() (0 0	0	4,032
N-BUTYL ALCOHOL	N	8,557	0	8,557	0	0	8,557	0	() (0 0	0	2,975
NICKEL COMPOUNDS	N	0	0	0	0	0	0	0	() (0 0	19	63,843
ZINC COMPOUNDS	N	185	0	185	0	60	245	0	() (0 0	133	46,903
								•				•	

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Facility County/Independent	City			On-Site 1						agemen		Off-Site	Transfers
	•		fı	rom Section	5 of Form	ı R		fr	om Section	8 of Form R		from Section	1 6 of Form R
Facility Name	/Address	5	0. 1	TD ()			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
Total for Bae Systems Norfolk Ship	Repair	9,107	0	9,107	0	113	9,220	(u /	0	0 0	u /	296,754
NORFOLK (CITY)	COLONNA'S	SHIPYAR	ED INC					400 E INI	DIAN RIVE	R RD		NAICS Co	de 336611
N-BUTYL ALCOHOL	N	9,327	0	9,327	0	0	9,327	()	0	0 0	0	1,944
XYLENE (MIXED ISOMERS)	N	13,565	0	13,565	0	0	13,565	()	0	0 0	0	3,213
Total for Colonna'S Shipyard Inc		22,892	0	22,892	0	0	22,892	C)	0	0 0	0	5,157
NORFOLK (CITY)	US NAVY NA	VAL STA	TION NOR	FOLK RAI	NGE			1530 GIL	BERT ST			NAICS Co	de 928110
NAPHTHALENE	N	52	51	103	0	1,225	1,328	()	0	0 0	0	61
Total for Us Navy Naval Station Nor	folk Range	52	51	103	0	1,225	1,328	C)	0	0 0	0	61
Total for Above County: (9 report	s)	32,051	51	32,102	0	1,338	33,440	C)	0	0 0	316	301,972
NORTHUMBERLAND	OMEGA PRO	TEIN CO	RPORATIO	ON				610 MEN	HADEN RI)		NAICS Co	de 311613
AMMONIA	N	0	16,080	16,080	0	161	16,241	()	0	0 0	0	0
Total for Omega Protein Corporation	1	0	16,080	16,080	0	161	16,241	C)	0	0 0	0	0
Total for Above County: (1 record	1)	0	16,080	16,080	0	161	16,241	C)	0	0 0	0	0
NOTTOWAY	COX WOOD	OF VIRGI	NIA					2960 COX	K RD			NAICS Co	de 321114
ARSENIC COMPOUNDS	N	0	0	0	0	23	23	()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	PT N	0	0	0	0	23	23	()	0	0 0	0	0
COPPER COMPOUNDS	N	0	0	0	0	17	17	()	0	0 0	0	0
Total for Cox Wood Of Virginia		0	0	0	0	63	63	C)	0	0 0	0	0
NOTTOWAY	TYSON FARM	MS INC - I	FEED MILI	L				1938 PAT	RICK HEN	NRY HWY		NAICS Co	de 311119
COPPER COMPOUNDS	Y	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

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Facility County/Independent	City		(On-Site	Release	S		On-S	Site Man	agemen	t	Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Sectio	n 6 of Form R
Facility Nam	ie/Address		G. 1				Total	Enouge			Total		Total Other
		Fugitive Air	Stack Air	Total Air	T J	XX/-4	On-Site	Energy	D	T4	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	(pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	Y	0	0	0	• /	0	0) (· · ·	0	0 0	<u> </u>	0
Total for Tyson Farms Inc - Feed M	∕IiII	0	0	0	0	0	0	c)	0	0 0	0	0
NOTTOWAY	US ARMY NA	TIONAL	GUARD FO	ORT PICK	ETT (RAN	(GES)		US PFO I	BUILDING	316 FORT I	PICKETT	NAICS Co	de 928110
COPPER	N	0	0	0	100,665	0	100,665	()	0	0 0	0	0
Total for Us Army National Guard F	Fort Pickett (Rang	0	0	0	100,665	0	100,665	c)	0	0 0	0	0
Total for Above County: (7 repo	rts)	0	0	0	100,665	63	100,728	c)	0	0 0	0	0
PATRICK	MICROMETI	RICS SYS	ТЕМ					225 JEB S	STUART H	WY		NAICS Co	de 332710
CHLORINE	Y	0	0	0	0	0	0))	0	0 0	0	0
PROPYLENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Micrometrics System		0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (2 repo	rts)	0	0	0	0	0	0	d)	0	0 0	0	0
PETERSBURG (CITY)	AMPAC FINE	Е СНЕМІС	CALS VIRG	GINIA, LLC				2820 N N	ORMANDY	DRIVE		NAICS Co	de 325411
DICHLOROMETHANE	N	5	2,024	2,029	0	0	2,029	()	0	0 0	0	72,550
METHANOL	N	0	641	641	0	0	641	()	0	0 0	0	211,203
N,N-DIMETHYLFORMAMIDE	N	0	39	40	0	0	40))	0	0 0	0	45,946
Total for Ampac Fine Chemicals V	irginia, Llc	5	2,705	2,710	0	0	2,710	C)	0	0 0	0	329,700
PETERSBURG (CITY)	AMSTED RA	IL CO INC	C					2580 FRC	NTAGE RI	0		NAICS Co	de 332111
CHROMIUM	N	0	0	0	0	0	0))	0	0 0	9	94,129
COPPER	N	0	0	0	0	0	0) ()	0	0 0	9	46,046
MANGANESE	N	0	0	0	0	0	0))	0	0 0	0	139,606
NICKEL	N	0	0	0	0	0	0	()	0	0 0	76	94,895
Total for Amsted Rail Co Inc		0	0	0	0	0	0	C)	0	0 0	95	374,676

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

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

Facility County/Independent	City		(On-Site	Release	es .				agement		Off-Site	Transfers
	ū		fi	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Nam	e/Address	5	G. 1	70. 4. 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
PETERSBURG (CITY)	BLEACHTEC	CH LLC	· · · · · ·	4	u /	<u> </u>	· ·	2020 BES	SEMER RI	<u> </u>	u /	NAICS Co	de 325180
CHLORINE	N	0	246	246	0	0	246	()	0	0 0	0	0
HYDROCHLORIC ACID (1995 AN	ND A N	5	5	10	0	0	10	()	0	0 0	0	0
Total for Bleachtech Llc		5	251	256	0	0	256	C)	0	0 0	0	0
PETERSBURG (CITY)	BOAR'S HEA	D-PETER	SBURG					1950 IND	USTRY PL	ACE		NAICS Co	de 311612
AMMONIA	N	0	0	0	0	0	0	()	0	0 0	0	0
Total for Boar'S Head-Petersburg		0	0	0	0	0	0	C)	0	0 0	0	0
PETERSBURG (CITY)	DOMINION (CHEMICA	L CO INC					2050 PUD	DLEDOCK	K RD		NAICS Co	de 325998
AMMONIA	N	5	5	10	0	0	10	()	0	0 0	0	0
METHANOL	N	250	250	500	0	0	500	()	0	0 0	0	0
Total for Dominion Chemical Co Inc	С	255	255	510	0	0	510	C)	0	0 0	0	0
PETERSBURG (CITY)	PRE CON INC	C						220 S PEI	RRY ST			NAICS Co	ode 313320
CYCLOHEXANE	N	2	424	425	0	0	425	()	0 5,87	78 5,878	0	18,011
Total for Pre Con Inc		2	424	425	0	0	425	C)	0 5,87	78 5,878	0	18,011
PETERSBURG (CITY)	VALMONT-V	TRGINIA	GALVANI	ZING INC				3535 HAI	LIFAX RD			NAICS Co	de 332812
ZINC COMPOUNDS	N	67	6	73	0	3,940	4,013	()	0	0 0	0	13,320
Total for Valmont-Virginia Galvaniz	ing Inc	67	6	73	0	3,940	4,013	C)	0	0 0	0	13,320
Total for Above County: (14 repo	orts)	333	3,641	3,974	0	3,940	7,914	()	0 5,8	78 5,878	95	735,706
PITTSYLVANIA	ARKEMA INC	С						601 TIGH	ITSQUEEZ	E IND US T	RIAL RD	NAICS Co	de 325211
ACRYLIC ACID	N	1,680	250	1,930	0	0	1,930	()	0 408,00	00 408,000	0	0
BUTYL ACRYLATE	N	250	250	500	0	0	500	()	0 50	500	0	250
CERTAIN GLYCOL ETHERS	N	5	5	10	0	0	10	()	0 3,45	3,450	0	1,250

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

Facility County/Independent C	ity		(On-Site l	Release	S			ite Mana			Off-Site	Transfers
	•		fr	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	n 6 of Form R
Facility Name/	Adaress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	(0	0	0
HYDROQUINONE	Y	0	0	0	0	0	0	0	0	(0	0	0
METHYL METHACRYLATE	N	250	250	500	0	0	500	0	0	500	500	0	750
PHTHALIC ANHYDRIDE	N	5	250	255	0	0	255	0	0	200	200	0	4,125
TOLUENE	N	2,200	750	2,950	0	0	2,950	0	924,000	27,500	951,500	0	529,585
TOLUENE DIISOCYANATE (MIXEI	γ Ι	0	0	0	0	0	0	0	0	(0	0	0
Total for Arkema Inc		4,390	1,755	6,145	0	0	6,145	0	924,000	440,150	1,364,150	0	535,960
PITTSYLVANIA	DANCHEM T	ECHNOL	OGIES INC	2				1975 OLD	RICHMON	D RD		NAICS Co	de 325199
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	(0	343	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	(0	0	0
DICAMBA	Y	0	0	0	0	0	0	0	0	(0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	(0	0	0
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	(0	0	1,575
MALEIC ANHYDRIDE	N	153	1	154	0	0	154	0	0	(0	0	65,800
N-BUTYL ALCOHOL	N	4,367	34	4,401	0	0	4,401	0	1,609,940	(1,609,940	0	164,677
PHENOL	Y	0	0	0	0	0	0	0	0	(0	0	0
TOLUENE	N	1,139	1,795	2,934	0	0	2,934	0	0	24,950	24,950	1	285,289
XYLENE (MIXED ISOMERS)	N	15	510	525	0	0	525	0	0	(0	0	50,256
Total for Danchem Technologies Inc		5,674	2,340	8,014	0	0	8,014	0	1,609,940	24,950	1,634,890	344	567,597
PITTSYLVANIA	INTERTAPE	POLYME	R CORP					1101 EAG	LE SPRING	SS RD		NAICS Co	de 326113
TOLUENE	N	6,566	75,511	82,077	0	0	82,077	0	2,219,218	(2,219,218	0	0
Total for Intertape Polymer Corp		6,566	75,511	82,077	0	0	82,077	0	2,219,218		2,219,218	0	0
PITTSYLVANIA	JTI LEAF SE	RVICES (U	US) LLC					202 STINS	SON DRIVE			NAICS Co	de 312230

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Facility County/Independent (City)n-Site l						agement	.		Transfers
Facility Name	•		fr	om Section	5 of Form	R	70. 4.1	fro	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
AMMONIA	N	692	2,798	3,490	0	0	3,490	0		0	0 0	731	0
NICOTINE AND SALTS	N	12,292	26,466	38,758	0	0	38,758	0		0	0 0	2,444	2,003
Total for Jti Leaf Services (Us) Llc		12,984	29,264	42,248	0	0	42,248	0		0	0 0	3,175	2,003
PITTSYLVANIA	POLYNT CO	MPOSITE	S USA INC					920 TIGH	TSQUEEZ	E IND US T	RIAL RD	NAICS Co	de 325211
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0		0	0 0	0	0
DICYCLOPENTADIENE	N	156	368	524	0	0	524	0		0	0 0	0	5,772
ETHYLBENZENE	N	0	0	0	0	0	0	0		0	0 0	1	7,698
ETHYLENE GLYCOL	N	34	80	114	0	0	114	0		0	0 0	0	33,604
MALEIC ANHYDRIDE	N	251	1,011	1,262	0	0	1,262	0		0	0 0	0	164
METHANOL	Y	0	0	0	0	0	0	0		0	0 0	0	0
PHTHALIC ANHYDRIDE	N	140	454	594	0	0	594	0		0	0 0	0	164
STYRENE	N	602	904	1,506	0	0	1,506	0		0	0 0	907	23,166
TRIETHYLAMINE	Y	0	0	0	0	0	0	0		0	0 0	0	0
Total for Polynt Composites Usa Inc	i.	1,184	2,817	4,001	0	0	4,001	0		0	0 0	907	70,568
PITTSYLVANIA	WOODWICK	CANDLE						200 TOY	LANE			NAICS Co	de 339999
DIISOCYANATES	Y	0	0	0	0	0	0	0		0	0 0	0	0
Total for Woodwick Candle		0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (32 repor	rts)	30,797	111,687	142,484	0	0	142,484	0	4,753,15	8 465,10	00 5,218,258	4,426	1,176,128
PORTSMOUTH (CITY)	U.S. AMINES	(PORTSM	IOUTH) LI	LC				3230 W N	ORFOLK I	RD		NAICS Co	de 325199
3-CHLORO-2-METHYL-1-PROPEN	IE N	24	0	24	0	0	24	0		0 1	6 16	0	0
ALLYL CHLORIDE	N	66	2	68	0	0	68	0		0 8	88	0	0
ALLYLAMINE	N	65	760	825	0	0	825	0		0 37,24	37,240	0	0

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Facility County/Independent	City)n-Site I						agement	,	Off-Site	Transfers
	•		fr	om Section	5 of Form	R		fre	om Section 8	of Form R		from Section	
Facility Nam	ie/Address	F	G. 1	70 . I			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
AMMONIA	N	14	0	14	0	0	14	0) ()	0 0	0	1
Total for U.S. Amines (Portsmouth) Llc	169	762	931	0	0	931	0) (37,34	4 37,344	0	1
PORTSMOUTH (CITY)	US NAVY DE	FENSE FU	EL SUPPO	RT POINT	CRANE	Y ISLAND		4501 CED	AR LN BL	DG 288		NAICS Cod	e 928110
NAPHTHALENE	N	883	0	883	0	6	889	0	613,99	1	0 613,991	0	50,189
Total for Us Navy Defense Fuel Su	pport Point Crane	883	0	883	0	6	889	0	613,99	1	0 613,991	0	50,189
PORTSMOUTH (CITY)	US NAVY NO	RFOLK N	AVAL SHI	PYARD				INTERSE	CTION OF	EFFINGHA	AM ST & GEO	PREATIONSAC od	e 928110
COPPER COMPOUNDS	N	470	0	470	310	110	890	0) ()	0 0	470	23,338
ETHYLENE GLYCOL	N	620	0	620	0	0	620	0) ()	0 0	0	8,903
N-BUTYL ALCOHOL	N	18,000	480	18,480	0	0	18,480	0) ()	0 0	0	86
XYLENE (MIXED ISOMERS)	N	15,000	150	15,150	0	0	15,150	0) ()	0 0	41	8,053
Total for Us Navy Norfolk Naval Sh	nipyard	34,090	630	34,720	310	110	35,140	0) (0	0 0	511	40,380
Total for Above County: (9 repor	rts)	35,142	1,392	36,534	310	116	36,960	0	613,99	1 37,34	44 651,335	511	90,571
PRINCE GEORGE	METL-SPAN,	A DIVISI	ON OF NC	I GROUP, I	NC.			6001 QUA	LITY WAY	Z.		NAICS Cod	e 332311
DIISOCYANATES	N	6,550	0	6,550	0	0	6,550	0) ()	0 0	0	0
Total for Metl-Span, A Division Of N	Nci Group, Inc.	6,550	0	6,550	0	0	6,550	0) (0	0 0	0	0
Total for Above County: (1 recor	rd)	6,550	0	6,550	0	0	6,550	0	1	0	0 0	0	0
PRINCE WILLIAM	MANASSAS I	BROAD R	U N READY	MIX CON	CRETE			9321 DEV	ELOPERS	DRIVE		NAICS Cod	e 327320
NITRATE COMPOUNDS	N	0	0	0	0	746	746	0) ()	0 0	0	0
Total for Manassas Broad Run Rea	ady Mix Concrete	0	0	0	0	746	746	0) (0	0 0	0	0
PRINCE WILLIAM	MICRON TEC	CHNOLO	GY INC.					9600 GOI	OWIN DR			NAICS Cod	e 334413
AMMONIA	N	500	11,000	11,500	0	10	11,510	0) (12,00	0 12,000	45,000	45,000

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Facility County/Independent C	'its		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
· · ·	•		fı	rom Section	5 of Form	R		fr	om Section 8	of Form R		from Sectio	n 6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
FLUORINE	N	0	1,700	1,700	0	0	1,700	() (97,000	97,000	0	0
HYDROGEN FLUORIDE	N	0	5,500	5,500	0	0	5,500	() (770,000	770,000	0	570
NITRATE COMPOUNDS	N	0	0	0	0	0	0	() () (0 0	97,000	97,001
NITRIC ACID	N	0	100	100	0	0	100	() (97,000	97,000	0	571
N-METHYL-2-PYRROLIDONE	N	0	590	590	0	0	590	() (5,400	5,400	0	7,100
OZONE	N	0	150	150	0	0	150	() (150,000	150,000	0	0
PROPYLENE	N	0	100	100	0	0	100	() () (0 0	0	0
SULFURIC ACID (1994 AND AFTER	R" N	0	620	620	0	0	620	() (98,000	98,000	0	0
Total for Micron Technology Inc.		500	19,760	20,260	0	10	20,270	0) (1,229,400	0 1,229,400	142,000	150,242
PRINCE WILLIAM	POSSUM POI	NT POWI	ER STATIC	ON				19000 PO	SSUM POIN	NT RD		NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	() () (0 0	0	0
AMMONIA	N	0	5,920	5,920	0	5,490	11,410	() () (0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	() () (0 0	0	0
N-HEXANE	N	0	2,010	2,010	0	0	2,010	() () (0	0	0
Total for Possum Point Power Station	ı	0	7,930	7,930	0	5,490	13,420	0) () (0 0	0	0
PRINCE WILLIAM	QUARLES PE	ETROLEU	M INC. MA	ANASSAS I	BULK PLA	ANT		8001 WEI	LLINGFOR	D DR		NAICS Co	de 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	() () (0 0	0	0
BENZENE	Y	0	0	0	0	0	0	() () (0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	() () (0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	() () (0 0	0	0
TOLUENE	Y	0	0	0	0	0	0	() () (0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	() () (0 0	0	0
Total for Quarles Petroleum Inc. Man	assas Bulk Plan	0	0	0	0	0	0	0) () (0 0	0	0

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Facility County/Independent C	'ity		(On-Site 1	Release	S				agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section	n 6 of Form R
Facility Name/	Address	E '4'	Gr. I	TF 4 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
PRINCE WILLIAM	SAFETY-KLE	EEN SYST	EMS MAN	ASSAS (M.	AN)	-		11520 BA	LLS FORD	RD		NAICS Co	de 562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	0)	0	0 0	0	187,991
Total for Safety-Kleen Systems Mana	assas (Man)	0	3	3	0	0	3	0)	0	0 0	0	187,991
PRINCE WILLIAM	US MARINE	CORPS BA	ASE QUAN	TICO RAN	GE COM	PLEX		3250 CAT	LIN AVE			NAICS Co	de 928110
BENZENE	N	156	74	230	0	0	230	0)	0	0 0	0	0
COPPER	N	0	0	0	46,309	1	46,310	0)	0	0 0	0	0
ETHYLBENZENE	N	34	6	40	0	0	40	0)	0	0 0	0	0
NAPHTHALENE	N	3	0	3	0	0	3	0)	0	0 0	0	0
N-HEXANE	N	47	390	437	0	0	437	0)	0	0 0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	26,563	26,563	0)	0	0 0	0	0
TOLUENE	N	982	85	1,067	0	0	1,067	0)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	310	29	339	0	0	339	0)	0	0 0	0	0
Total for Us Marine Corps Base Quar	ntico Range Co	1,532	584	2,116	46,309	26,564	74,989	0	1	0	0 0	0	0
PRINCE WILLIAM	VIRGINIA CO	ONCRETE	GAINESV	TLLE PLA	NT			7300 RAI	L LINE CT			NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	230	230	0)	0	0 0	0	0
Total for Virginia Concrete Gainesville	e Plant	0	0	0	0	230	230	0)	0	0 0	0	0
Total for Above County: (30 report	ts)	2,032	28,277	30,309	46,309	33,039	109,657	0	1	0 1,229,4	00 1,229,400	142,000	338,233
PULASKI	BONDCOTE	CORP						509 BURG	GIS AVE			NAICS Co	de 313320
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	12,405
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	32
CHROMIUM COMPOUNDS(EXCER	PT N	0	0	0	0	0	0	0)	0	0 0	0	20
DIBUTYL PHTHALATE	N	0	0	0	0	0	0	0)	0	0 0	0	2,710
								1				1	

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Facility County/Independent	City			On-Site 1						agemen		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Nam	ie/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	6
Total for Bondcote Corp		0	0	0	0	0	0	0)	0	0 0	0	15,173
PULASKI	CONN-WELD	IND INC						NEW BEI	RN RD STA	TE RD 682		NAICS Co	de 333131
CHROMIUM	N	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Conn-Weld Ind Inc		0	0	0	0	0	0	0	1	0	0 0	0	0
PULASKI	ELECTROPL	ATE-RITI	E CORP					5529 LEE	HWY			NAICS Co	de 332813
COPPER	N	0	0	0	0	0	0	C)	0	0 0	0	0
ZINC COMPOUNDS	N	23	35	58	0	0	58	C)	0	0 0	7	0
Total for Electroplate-Rite Corp		23	35	58	0	0	58	0	1	0	0 0	7	0
PULASKI	IMPERIAL G	ROUP MA	ANUFACTU	URING INC				4969 STE	PP PLACE			NAICS Co	de 332322
CHROMIUM	N	0	0	0	0	0	0	C)	0	0 0	0	57,797
MANGANESE	N	0	0	0	0	0	0	C)	0	0 0	0	50,861
NICKEL	N	0	0	0	0	0	0	C)	0	0 0	0	57,797
Total for Imperial Group Manufactu	uring Inc	0	0	0	0	0	0	0)	0	0 0	0	166,455
PULASKI	JAMES HARI	DIE BUILI	DING PRO	DUCTS PU	LASKI			1000 JAM	IES HARDI	IE WAY		NAICS Co	de 327390
BARIUM COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	0
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	C)	0	0 0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	0
Total for James Hardie Building Pr	oducts Pulaski	0	0	0	0	0	0	0)	0	0 0	0	0
PULASKI	MAR-BAL, IN	iC.						5400 RES	ERVE WA	Y		NAICS Co	de 326199
STYRENE	N	3,320	0	3,320	0	0	3,320	C)	0	0 0	0	8,875
Total for Mar-Bal, Inc.		3,320	0	3,320	0	0	3,320	0)	0	0 0	0	8,875

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Facility County/Independent (City		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	on 6 of Form R
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
PULASKI	VOLVO GRO	UP NORT	H AMERIC	CA, LLC				4881 COU	JGAR TRA	IL ROAD		NAICS Co	ode 336120
ETHYLBENZENE	N	397	2,081	2,478	0	0	2,478	()	0 15,49	6 15,496	0	93,456
ETHYLENE GLYCOL	N	2	1	3	0	0	3	()	0	0 0	0	20,134
METHANOL	N	64	296	360	0	0	360	()	0	7 7	0	536
N-BUTYL ALCOHOL	N	203	13,706	13,909	0	0	13,909	()	0 103,213	3 103,213	0	623,040
XYLENE (MIXED ISOMERS)	N	1,666	13,729	15,395	0	0	15,395	()	0 103,20	7 103,207	0	623,040
Total for Volvo Group North America	a, Llc	2,332	29,813	32,145	0	0	32,145	0)	0 221,92	3 221,923	0	1,360,206
Total for Above County: (20 report	rts)	5,675	29,848	35,523	0	0	35,523	O)	0 221,92	221,923	7	1,550,709
RICHMOND	MONDELEZ	GLOBAL	LLC					6002 S LA	BURNUM	AVE		NAICS Co	ode 311821
AMMONIA	N	0	127,453	127,453	0	0	127,453	()	0	0 0	0	0
Total for Mondelez Global Llc		0	127,453	127,453	0	0	127,453	O)	0	0 0	0	0
RICHMOND	QPI WARSAV	W BULK F	PLANT					11549 HIS	STORYLAN	ND HWY		NAICS Co	ode 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
BENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
ETHYLBENZENE	Y	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
TOLUENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Qpi Warsaw Bulk Plant		0	0	0	0	0	0	O)	0	0 0	0	0
RICHMOND	RIVER POOL	S AND SP	PAS					196 SELF	TOWN RD			NAICS Co	ode 326199
METHYL METHACRYLATE	N	1,523	4,569	6,092	0	0	6,092	()	0	0 0	0	0
STYRENE	N	12,803	38,410	51,213	0	0	51,213	()	0	0 0	0	0

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Facility County/Independent C	City			On-Site 1						agement		Off-Site 7	Transfers
• • •	•		fı	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	
Facility Name	Address	F:4:	C41-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for River Pools And Spas		14,326	42,979	57,305	0	0	57,305	0)	0	0 0	0	0
RICHMOND	STELLA-JON	ES CORP						15939 HIS	STORY LA	ND HWY		NAICS Cod	e 321114
ARSENIC COMPOUNDS	N	0	4	4	0	10	13	C)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCER	PT N	0	3	3	0	6	9	C)	0	0 0	0	0
COPPER COMPOUNDS	N	0	8	8	0	8	16	C)	0	0 0	0	0
Total for Stella-Jones Corp		0	15	15	0	23	38	0)	0	0 0	0	0
Total for Above County: (12 report	ts)	14,326	170,447	184,773	0	23	184,796	0)	0	0 0	0	0
RICHMOND (CITY)	CARPENTER	CO RICH	IMOND PL	ANT				2400 JEF	FERSON D	AVIS HWY		NAICS Cod	e 326150
DIISOCYANATES	N	58	526	584	0	1	585	C)	0	0 0	0	23,752
ETHYLENE GLYCOL	N	0	19	19	0	1	20	C)	0	0 0	0	4,022
TOLUENE DIISOCYANATE (MIXE	DI N	170	1,534	1,704	0	1	1,705	C)	0	0 0	0	61,621
Total for Carpenter Co Richmond Pla	ant	229	2,078	2,307	0	3	2,309	0)	0	0 0	0	89,395
RICHMOND (CITY)	KINDER MO	RGAN TR	ANSMIX C	COMPANY,	LLC			3302 DEE	PWATER 7	ΓERMINAL	. RD	NAICS Cod	e 424710
1,2,4-TRIMETHYLBENZENE	N	113	1	115	0	0	115	C)	0 2	29 29	0	1
BENZENE	N	117	38	155	0	0	155	C)	0 98	983	0	1
ETHYLBENZENE	N	31	3	34	0	0	34	C)	0 7	76 76	0	1
N-HEXANE	N	95	34	129	0	0	129	C)	0 88	82 882	0	0
TOLUENE	N	234	43	277	0	1	278	C)	0 1,11	1,117	0	3
XYLENE (MIXED ISOMERS)	N	273	17	290	0	1	291	C)	0 45	54 454	0	3
Total for Kinder Morgan Transmix Co	ompany, Llc	864	136	1,000	0	3	1,002	0)	0 3,54	41 3,541	0	8
RICHMOND (CITY)	PHILIP MOR	RIS USA	COMMERC	CE ROAD S	SITE			3601 CON	MMERCE F	RD		NAICS Cod	e 312230
NICOTINE AND SALTS	N	95	9,508	9,603	0	0	9,603	C)	0 87,77	73 87,773	25,638	150,618

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Facility County/Independent	City		(On-Site 1	Release	S		On-S	ite Mana	agement		Off-Site	Transfers
	·		fı	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	n 6 of Form R
Facility Nam	ie/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Philip Morris Usa Comme	rce Road Site	95	9,508	9,603	0	0	9,603	0	0	87,77	87,773	25,638	150,618
RICHMOND (CITY)	RECO BIODI	ESEL, LL	C					710 HOSP	PITAL ST			NAICS Co	de 325199
METHANOL	N	250	750	1,000	0	0	1,000	0	206,012	. (206,012	604,000	0
Total for Reco Biodiesel, Llc		250	750	1,000	0	0	1,000	0	206,012	2 (206,012	604,000	0
RICHMOND (CITY)	SPRUANCE O	GENCO LI	LC					5001 COM	IMERCE R	D		NAICS Co	de 221112
BARIUM COMPOUNDS	N	0	0	0	0	70	70	0	0) (0	0	0
HYDROGEN FLUORIDE	N	0	2,002	2,002	0	0	2,002	0	0	31,369	31,369	0	0
SULFURIC ACID (1994 AND AFT	TER" N	21	27	47	0	0	47	0	0	82,245	82,245	0	0
Total for Spruance Genco Llc		21	2,029	2,050	0	70	2,119	0	0	113,614	113,614	0	0
RICHMOND (CITY)	STERILIZAT	ION SERV	VICES OF V	VIRGINIA				5674 EAS	TPORT BLV	VD		NAICS Co	de 339112
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0) (0	0	821,195
ETHYLENE OXIDE	N	0	3,557	3,557	0	0	3,557	0	0	347,425	347,425	0	0
Total for Sterilization Services Of V	/irginia	0	3,557	3,557	0	0	3,557	0	0	347,42	347,425	0	821,195
RICHMOND (CITY)	TCS MATERI	IALS RICI	HMOND PI	LANT				2100 DEE	PWATER T	ERMINAL	ROAD	NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	235	235	0	0) (0	0	0
Total for Tcs Materials Richmond F	Plant	0	0	0	0	235	235	0	0) (0	0	0
RICHMOND (CITY)	UPACO ADH	ESIVES IN	NC					4105 CAS	TLEWOOD	RD		NAICS Co	de 325520
TOLUENE	N	1,028	1,028	2,056	0	0	2,056	0	0) (0	0	1,624
XYLENE (MIXED ISOMERS)	N	806	806	1,612	0	0	1,612	0	0) (0	0	1,273
Total for Upaco Adhesives Inc		1,834	1,834	3,668	0	0	3,668	0	0) (0	0	2,897
Total for Above County: (19 repo	orts)	3,292	19,892	23,184	0	310	23,494	0	206,012	2 552,35	3 758,365	629,638	1,064,113
ROANOKE	CARDINAL C	GLASS						2132 CAR	DINAL PAI	RK DR		NAICS Co	de 327215

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Facility County/Independent	City			On-Site						agement		Off-Site 7	Transfers
• • •	•		fı	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section	
Facility Name	e/Address	E	Stack	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CHROMIUM	N	0	0	0	0	0	C	0)	0	0 0	0	15,109
Total for Cardinal Glass		0	0	0	0	0	0	0)	0	0 0	0	15,109
ROANOKE	CARGILL FE	ED & NU	TRITION F	ROANOKE				1003 WAI	LNUT AVE			NAICS Code	e 311119
MANGANESE COMPOUNDS	Y	0	0	0	0	0	C	0)	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	C	0)	0	0 0	0	0
Total for Cargill Feed & Nutrition Ro	anoke	0	0	0	0	0	0	0)	0	0 0	0	0
ROANOKE	GRAHAM-W	HITE MA	NUFACTU	RING CO.				1242 COL	ORADO S	Т		NAICS Code	e 336510
COPPER	N	38	0	38	0	6	44	0)	0	0 0	0	34,625
Total for Graham-White Manufactur	ing Co.	38	0	38	0	6	44	. 0)	0	0 0	0	34,625
ROANOKE	KIK (VIRGIN	IA) LLC						27 MILL	LN			NAICS Code	e 325612
CHLORINE	N	1	0	1	0	0	1	0)	0	0 0	0	0
Total for Kik (Virginia) Llc		1	0	1	0	0	1	0)	0	0 0	0	0
ROANOKE	KOPPERS IN	C (ROAN	OKE)					4020 KOP	PPERS RD			NAICS Code	e 321114
CREOSOTE	N	1,800	1,900	3,700	0	1	3,701	0	920,00	00 5	920,050	0	9,100
Total for Koppers Inc (Roanoke)		1,800	1,900	3,700	0	1	3,701	0	920,00	0 (920,050	0	9,100
ROANOKE	LAKE REGIO	ON MEDIC	CAL, INC					200 S YO	RKSHIRE :	ST		NAICS Code	e 332996
NITRATE COMPOUNDS	N	0	0	0	0	0	C	0)	0 72	22 722	35,092	35,092
NITRIC ACID	N	0	0	0	0	0	C	0)	0 26,44	17 26,447	0	0
Total for Lake Region Medical, Inc		0	0	0	0	0	0	0)	0 27,16	39 27,169	35,092	35,092
ROANOKE	MEDECO SE	CURITY I	LOCKS INC	C				3625 ALL	EGHENY	DR		NAICS Code	e 332510
COPPER	N	0	0	0	0	3	3	0)	0	0 0	2	630,654
ZINC (FUME OR DUST)	N	0	1	1	0	0	1	0)	0	0 0	0	34,522

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Facility County/Independent (~itv		(On-Site	Release	S				agement		Off-Site '	Fransfers
• • •	•		fi	rom Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name	/Address	E	C41-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Medeco Security Locks Inc		0	1	1	0	3	4	. 0)	0	0 0	2	665,176
ROANOKE	MENNEL MI	LLING CO	O OF VIRG	INIA				5185 BEN	OIS RD			NAICS Cod	e 311211
CHLORINE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Mennel Milling Co Of Virgin	ia	0	0	0	0	0	0	0)	0	0 0	0	0
ROANOKE	NEW MILLE	NNIUM B	UILDING S	SYSTEMS				100 DIUG	GUIDS LAN	E		NAICS Cod	e 332312
CERTAIN GLYCOL ETHERS	N	18,016	0	18,016	0	0	18,016	C)	0	0 0	0	0
MANGANESE	N	170	0	170	0	0	170	C)	0	0 0	0	88,897
NICKEL	N	1	0	1	0	0	1	C)	0	0 0	0	7,201
Total for New Millennium Building Sy	/stems	18,187	0	18,187	0	0	18,187	0)	0	0 0	0	96,098
ROANOKE	NOVOZYME	S						420 KESI	LER MILL	RD		NAICS Cod	e 325414
NITRATE COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	28
Total for Novozymes		0	0	0	0	0	0	0)	0	0 0	0	28
ROANOKE	SAFETY-KLE	EEN SYST	EMS VINT	ON (ROA)				16090 STI	EWARTSV	ILLE RD		NAICS Cod	e 562112
ETHYLENE GLYCOL	N	0	4	4	0	0	4)	0	0 0	0	194,192
Total for Safety-Kleen Systems Vinto	on (Roa)	0	4	4	0	0	4	0)	0	0 0	0	194,192
ROANOKE	TECTON PRO	ODUCTS I	LLC					5415 COF	RPORATE (CIR		NAICS Cod	e 326199
STYRENE	N	0	424	424	0	0	424	·)	0 35,10	35,109	0	88
Total for Tecton Products Llc		0	424	424	0	0	424	. 0)	0 35,10	9 35,109	0	88
ROANOKE	VIRGINIA TI	RANSFOR	MER COR	P.				220 GLAI	DE VIEW D	R NE		NAICS Cod	e 335311
XYLENE (MIXED ISOMERS)	N	4,955	2,545	7,500	0	0	7,500	C) 99	5	0 995	0	0
Total for Virginia Transformer Corp.		4,955	2,545	7,500	0	0	7,500	0	99	5	0 995	0	0
ROANOKE	YOKOHAMA	TIRE MA	ANUFACTU	JRING VIE	RGINIA LI	L C		1500 IND	IANA ST			NAICS Cod	e 326211

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Facility County/Independent	City		(On-Site 1	Release	es		On-S	Site Man	agement	t	Off-Site	Transfers
• • •	•		fi	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	on 6 of Form R
Facility Nam Chemical Name		Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery		Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	N	4,326	0	4,326		0	4,326		~		0 0		21,366
Total for Yokohama Tire Manufactu	0 0	4,326	0	4,326		0	4,326				0 0		21,366
Total for Above County: (19 repo	orts)	29,306	4,874	34,180	0	11	34,191	(920,99	62,32	28 983,323	35,139	1,070,874
ROANOKE (CITY)	AKZO NOBE	L COATI	NGS INC					2837 ROA	ANOKE AV	E SW		NAICS Co	ode 325510
1,2,4-TRIMETHYLBENZENE	N	1,082	0	1,082	0	0	1,082	2)	0	0 0	0	4,639
ETHYLBENZENE	N	1,530	8	1,538	0	0	1,538	3)	0	0 0	0	2,783
METHANOL	N	1,791	81	1,872	0	0	1,872	2)	0	0 0	0	10,404
METHYL ISOBUTYL KETONE	N	385	0	385	0	0	385	5)	0	0 0	0	4,639
N-BUTYL ALCOHOL	N	2,581	0	2,581	0	0	2,581	. ()	0	0 0	0	12,059
TOLUENE	N	2,768	39	2,807	0	0	2,807	7)	0	0 0	0	19,479
XYLENE (MIXED ISOMERS)	N	5,974	15	5,989	0	0	5,989))	0	0 0	0	28,756
Total for Akzo Nobel Coatings Inc		16,111	143	16,254	0	0	16,254	. ()	0	0 0	0	82,759
ROANOKE (CITY)	CHEMSOLV	INC						1140 IND	USTRY AV	E SE		NAICS Co	ode 424690
1,2,4-TRIMETHYLBENZENE	Y	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
AMMONIA	Y	0	0	0	0	0	0) ()	0	0 0	0	0
BUTYL ACRYLATE	Y	0	0	0	0	0	0) ()	0	0 0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0))	0	0 0	0	0
DICHLOROMETHANE	N	128	0	128	0	0	128	3)	0	0 0	0	0
ETHYLENE GLYCOL	N	6	1	7	0	0	7	7)	0	0 0	0	39
FORMALDEHYDE	Y	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

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Facility County/Independent (City			On-Site						agemen			Transfers
Facility Name	•		tı	rom Section	5 of Form	K	Total	fre	om Section	8 of Form R	Total	from Section	n 6 of Form R Total Other
1 Holling 1 White	11441000	Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	faum A*	Air	Air	Air	Land	Water	Releases	Recovery		Treatment			Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
METHANOL	N	556	535	1,091	0	0	1,091			0	0 0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-METHYL-2-PYRROLIDONE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NONYLPHENOL ETHOXYLATES	Y	0	0	0	0	0	0	C)	0	0 0	0	0
TOLUENE	N	183	358	541	0	0	541	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	61	41	102	0	0	102	C)	0	0 0	0	4
Total for Chemsolv Inc		934	935	1,869	0	0	1,869	0		0	0 0	0	43
ROANOKE (CITY)	SEMCO DUC	T & ACO	USTICAL F	PRODUCTS	SINC			1967 BLU	E HILLS I	OR NE		NAICS Co	de 332322
CHROMIUM	N	0	0	0	0	0	0	C)	0	0 0	0	7,545
MANGANESE	N	0	0	0	0	0	0	C)	0	0 0	0	11,690
NICKEL	N	0	0	0	0	0	0	C)	0	0 0	0	5,703
Total for Semco Duct & Acoustical P	roducts Inc	0	0	0	0	0	0	0		0	0 0	0	24,938
ROANOKE (CITY)	SEMCO DUC	T AND AC	COUSTICA	L PRODUC	CTS, INC.			1967 BLU	E HILLS I	OR NE		NAICS Co	de 332322
CHROMIUM	N	0	0	0	0	0	0	C)	0	0 0	0	7,545
MANGANESE	N	0	0	0	0	0	0	C)	0	0 0	0	11,690
NICKEL	N	0	0	0	0	0	0	C)	0	0 0	0	5,703
Total for Semco Duct And Acoustica	l Products, Inc.	0	0	0	0	0	0	0		0	0 0	0	24,938
ROANOKE (CITY)	STEEL DYNA	AMICS IN	C ROANOI	KE BAR DI	\mathbf{V}			102 WES	TSIDE BLV	/D		NAICS Co	de 331110
CHROMIUM COMPOUNDS(EXCE	PT N	11	32	43	0	0	43	C)	0	0 0	0	56,798
COPPER COMPOUNDS	N	2	32	34	0	32	66	C)	0	0 0	0	37,351

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Facility County/Independent	City			On-Site 1						agement		Off-Site	Transfers
, , ,	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	on 6 of Form R
Facility Name	e/Address	E '4'	Gr. 1	T 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Docveling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MANGANESE COMPOUNDS	N	112	924	1,036	<u> </u>	0	1,036	()	0	0 0	0	381,836
NICKEL COMPOUNDS	N	1	4	5	0	0	5	()	0	0 0	0	4,774
ZINC COMPOUNDS	N	26	1,789	1,815	0	758	2,573	()	0	0 0	0	2,875,597
Total for Steel Dynamics Inc Roano	ke Bar Div	152	2,781	2,933	0	790	3,723	c)	0	0 0	0	3,356,356
ROANOKE (CITY)	TRIVIUM PA	CKAGINO	G USA, INC	3				5022 HOI	LLINS RD			NAICS C	ode 332431
CERTAIN GLYCOL ETHERS	N	0	3,200	3,200	0	0	3,200	()	0 176,00	00 176,000	0	5,400
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	131,720
COPPER	N	0	0	0	0	250	250	()	0	0 0	0	8,337
MANGANESE	N	0	0	0	0	0	0	()	0	0 0	0	113,170
N-BUTYL ALCOHOL	N	0	13,100	13,100	0	0	13,100	()	0 722,00	722,000	0	22,200
NICKEL	N	0	0	0	0	0	0	()	0	0 0	0	9,260
Total for Trivium Packaging Usa, Ind	C	0	16,300	16,300	0	250	16,550	C)	0 898,00	00 898,000	0	290,087
Total for Above County: (42 repo	rts)	17,197	20,159	37,356	0	1,040	38,396	C)	0 898,0	00 898,000	0	3,779,121
ROCKBRIDGE	MODINE MA	NUFACTI	URING CO					1221 MA	GNOLIA A	VE		NAICS C	ode 333414
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	33,056
COPPER	N	9	36	45	0	1	46	()	0	0 0	0	8,625
NICKEL	N	0	0	0	0	0	0	()	0	0 0	0	4,848
Total for Modine Manufacturing Co		9	36	45	0	1	46	c)	0	0 0	0	46,529
ROCKBRIDGE	MUNTERS							225 S MA	GNOLIA A	VE		NAICS C	ode 333415
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	37,548
MANGANESE	N	0	0	0	0	0	0	()	0	0 0	0	31,711
NICKEL	N	0	0	0	0	0	0	()	0	0 0	0	48,878

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Facility County/Independent	City		(On-Site	Release	S				agement	t	Off-Site	Transfers
	-		fı	rom Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name	e/Address	E 44	64 1	TF 4 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	54,016
Total for Munters		0	0	0	0	0	0	0		0	0 0	0	172,153
ROCKBRIDGE	MUNTERS CO	ORP						43 DOUG	LAS WAY			NAICS Cod	le 333415
CHROMIUM	N	0	0	0	0	0	0	0	1	0	0 0	0	3,506
MANGANESE	N	0	0	0	0	0	0	0)	0	0 0	0	2,077
NICKEL	N	0	0	0	0	0	0	0)	0	0 0	0	4,359
Total for Munters Corp		0	0	0	0	0	0	0		0	0 0	0	9,942
ROCKBRIDGE	STELLA JON	ES CORP	-GOSHEN	FACILITY				9223 MAU	JRY RIVEI	R RD		NAICS Cod	le 321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0)	0	0 0	0	0
CREOSOTE	N	3,410	2,991	6,401	0	17	6,418	0)	0	0 0	0	6,465
Total for Stella Jones Corp-Goshen	Facility	3,410	2,991	6,401	0	17	6,418	0		0	0 0	0	6,465
Total for Above County: (12 repo	rts)	3,419	3,027	6,446	0	18	6,464	0	1	0	0 0	0	235,089
ROCKINGHAM	CARGILL MI	EAT SOLU	UTIONS IN	C				135 HUFF	MAN DR			NAICS Coo	le 311615
AMMONIA	N	0	11	11	0	0	11	0)	0	0 0	5,792	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	1	0 67,99	98 67,998	74,630	0
NITRIC ACID	N	0	0	0	0	0	0	0)	0 50,40	50,400	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0)	0 255,50	255,504	0	0
Total for Cargill Meat Solutions Inc		0	11	11	0	0	11	0	1	0 373,90	373,902	80,422	0
ROCKINGHAM	GEORGE'S F	OODS, LI	.C. PROCE	SSING PL	ANT			501 N LIE	BERTY ST			NAICS Cod	le 311615
PERACETIC ACID	N	0	0	0	0	0	0	0)	0 123,27	70 123,270	0	0
Total for George'S Foods, Llc. Proce	essing Plant	0	0	0	0	0	0	0	ı	0 123,27	70 123,270	0	0
ROCKINGHAM	LSC COMMU	NICATIO	NS / HARI	RISONBUR	G N			2347 KRA	TZER RD			NAICS Cod	le 323117
								1				•	

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Facility County/Independen	t City			On-Site l						agement			Transfers
Facility Nan	·		fi	om Section	5 of Forn	ı K	Total	fr	om Section 8	of Form R	Total	from Section	6 of Form R
racinty ivan	iic/Addi ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management Management	POTW	Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CERTAIN GLYCOL ETHERS	N	17,531	7,021	24,552	0	0	24,552	() () (0 0	0	1,628
Total for Lsc Communications / Ha	arrisonburg N	17,531	7,021	24,552	0	0	24,552	O) () (0 0	0	1,628
ROCKINGHAM	MERCK SHA	RP & DO	HME COR	P.				2778 SE S	SIDE HWY			NAICS Coo	le 325412
ACETONITRILE	N	2,794	360	3,154	0	0	3,154	() (9,07	5 9,075	0	310,682
ETHYLENE GLYCOL	N	7	0	7	0	0	7	() (4,204	4,204	0	0
METHANOL	N	5,702	1,986	7,688	0	0	7,688	(1,897	238,665	5 240,562	0	360,259
NITRATE COMPOUNDS	N	0	0	0	0	0	0	C) (26,260	6 26,266	0	0
Total for Merck Sharp & Dohme C	orp.	8,503	2,346	10,849	0	0	10,849	O	1,897	7 278,210	0 280,107	0	670,941
ROCKINGHAM	MOLSON CO	ORS SHE	NANDOAE	I BREWER	Y			5135 S EA	ASTSIDE HV	WY		NAICS Coo	le 312120
AMMONIA	N	771	1,227	1,998	35,135	2,171	39,304	() (35,135	5 35,135	0	0
NITRATE COMPOUNDS	N	651	0	651	1,948	5,754	8,353	() () (0 0	0	0
Total for Molson Coors Shenando	ah Brewery	1,422	1,227	2,649	37,083	7,925	47,657	O) (35,13	5 35,135	0	0
ROCKINGHAM	PILGRIM'S F	PRIDE CO	RP BROAD	WAY FAC	ILITY			330 CO-0	P DR			NAICS Coo	le 311615
AMMONIA	N	3,960	0	3,960	0	0	3,960	() () (0 0	46,314	46,314
PERACETIC ACID	N	0	0	0	0	0	0	() (143,89	7 143,897	0	0
Total for Pilgrim'S Pride Corp Broa	adway Facility	3,960	0	3,960	0	0	3,960	O) (143,89	7 143,897	46,314	46,314
ROCKINGHAM	VALLEY PRO	OTEINS IN	NC LINVIL	LE FACILI	ITY			6230 KRA	ATZER RD			NAICS Coo	le 311613
AMMONIA	N	0	128	128	582	0	710	() (14,263	3 14,263	0	5
CHLORINE DIOXIDE	N	0	0	0	12,971	0	12,971	() () (0 0	0	0
Total for Valley Proteins Inc Linvill	e Facility	0	128	128	13,553	0	13,681	o) (14,26	3 14,263	0	5
ROCKINGHAM	VPGC LLC B	ROADWA	Y FEEDM	IL				410 S MA	IN ST			NAICS Coo	le 311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	C) () (0 0	0	0
								I				l .	

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Facility County/Independent	City			On-Site						agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fre	om Section 8	3 of Form R		from Section	n 6 of Form R
Facility Name	/Address	E	Stack	Total			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	1 otai Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MANGANESE COMPOUNDS	Y	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 Vpgc Llc Broadway Feedm	il	0	0	0	0	0	0	0) (0 0	0	0	0
ROCKINGHAM	VPGC LLC H	INTON FA	ACILITY					6349 RAV	VLEY PIKE	HWY 33 W	E	NAICS Co	de 311615
NITRATE COMPOUNDS	N	0	0	0	0	55,813	55,813	0) (593,001	593,001	0	0
Total for Vpgc Llc Hinton Facility		0	0	0	0	55,813	55,813	0) (0 593,001	593,001	0	0
ROCKINGHAM	WWF OPERA	TING CO						6364 S VA	LLEY PIK	E		NAICS Co	de 311511
AMMONIA	N	0	0	0	0	0	0	0) (0 0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0) (0 0	0	41,379	0
NITRIC ACID	N	0	0	0	0	0	0	0) (0 413,786	413,786	0	0
Total for Wwf Operating Co		0	0	0	0	0	0	0) (0 413,786	413,786	41,379	0
Total for Above County: (23 report	rts)	31,416	10,733	42,149	50,636	63,738	156,523	0	1,89	7 1,975,464	4 1,977,361	168,115	718,888
RUSSELL	SAMUEL SO	N & COMI	PANY (USA	A) INC.				58 SAMU	EL WAY			NAICS Co	de 332420
CHROMIUM	N	5	0	5	0	5	10	0) (0 0	0	0	994
MANGANESE	N	66	0	66	0	14	80	0) (0 0	0	0	10,784
NICKEL	N	3	0	3	0	5	8	0) (0 0	0	0	1,193
Total for Samuel Son & Company (U	Jsa) Inc.	74	0	74	0	24	98	0) (0 0	0	0	12,971
Total for Above County: (3 report	s)	74	0	74	0	24	98	0	1	0 (0 0	0	12,971
SALEM (CITY)	GE DRIVES &	& CONTRO	OLS					1501 ROA	NOKE BL	VD		NAICS Co	de 335314
COPPER	N	0	0	0	0	2	2	0) (0 0	0	2	70,000
Total for Ge Drives & Controls		0	0	0	0	2	2	0) (0 0	0	2	70,000

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

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

Facility County/Independent C	`itv			On-Site						agemen		Off-Site 7	Transfers
, , ,	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	<u>6 of Form R</u>
Facility Name/	Address	5	C . 1	75 4 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
SALEM (CITY)	NOVOZYME	S BIOLOG	GICALS IN	· /	u /	u /	u /	528 CHAI	PMAN ST	4	ч /	NAICS Code	e 325414
NITRATE COMPOUNDS	N	0	0	C	0	0	0	()	0	0 0	0	8
Total for Novozymes Biologicals Inc		0	0	0	0	0	0	O)	0	0 0	0	8
SALEM (CITY)	QUALICHEM	I, INC PL	ANT 1					2003 SAL	EM INDUS	STRIAL DR		NAICS Code	e 325998
2-PHENYLPHENOL	Y	0	0	C	0	0	0	()	0	0 0	0	0
3-IODO-2-PROPYNYL BUTYLCAR	В ү	0	0	C	0	0	0	()	0	0 0	0	0
CERTAIN GLYCOL ETHERS	Y	0	0	C	0	0	0	()	0	0 0	0	0
Total for Qualichem, Inc Plant 1		0	0	0	0	0	0	O)	0	0 0	0	0
SALEM (CITY)	QUALICHEM	I, INC. PL	ANT 2					510 BRAN	NCH DR			NAICS Code	e 325998
SODIUM NITRITE	Y	0	0	C	0	0	0	()	0	0 0	0	0
Total for Qualichem, Inc. Plant 2		0	0	0	0	0	0	O)	0	0 0	0	0
Total for Above County: (6 reports	s)	0	0	0	0	2	2	O)	0	0 0	2	70,008
SCOTT	TEMPUR PRO	ODUCTIO	N USA INC	C				203 TEM	PURPEDIC	C DR		NAICS Code	e 337910
DIISOCYANATES	N	5	5	10	0	0	10	()	0	0 0	0	7,168
Total for Tempur Production Usa Inc		5	5	10	0	0	10	O)	0	0 0	0	7,168
Total for Above County: (1 record))	5	5	10	0	0	10	O)	0	0 0	0	7,168
SHENANDOAH	CABINETWO	RKS GRO	OUP - MOU	NT JACK	SON PLAN	NT		1325 IND	USTRIAL 1	PARK RD		NAICS Code	e 337110
ETHYLBENZENE	N	697	4,258	4,955	0	0	4,955	()	0 12,50	09 12,509	0	6,522
METHANOL	N	348	1,762	2,110	0	0	2,110	()	0 6,2:	51 6,251	0	2,477
TOLUENE	N	1,322	1,466	2,788	3 0	0	2,788	()	0 23,7	14 23,714	0	9,162
XYLENE (MIXED ISOMERS)	N	3,194	19,910	23,104	0	0	23,104	()	0 57,3	16 57,316	0	29,694

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Facility County/Independent (~itv		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	1 6 of Form R
Facility Name	/Address	F:4:	641-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Cabinetworks Group - Mour	nt Jackson Plant	5,561	27,396	32,957	0	0	32,957	·)	0 99,790	99,790	0	47,855
SHENANDOAH	GEORGE'S C	HICKEN	LLC					19992 SE	NEDO RD			NAICS Coo	de 311615
NITRATE COMPOUNDS	N	0	0	0	0	40,567	40,567	')	0 6,003,379	6,003,379	0	1,523
PERACETIC ACID	N	0	0	0	0	0	0))	0 227,000	227,000	0	0
Total for George'S Chicken Llc		0	0	0	0	40,567	40,567	ď		0 6,230,379	6,230,379	0	1,523
SHENANDOAH	GEORGES FA	AMILY FA	ARMS, LLC	C MT JACK	KSON FEE	ED MILL		560 CAVI	ERNS RD			NAICS Coo	de 311119
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0))	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0) ()	0 (0	0	0
Total for Georges Family Farms, Llc	Mt Jackson Fee	0	0	0	0	0	0	C		0 (0 0	0	0
SHENANDOAH	HOWELL ME	ETAL CO						574 DEPO	OT RD			NAICS Coo	de 331420
COPPER	N	0	22	22	0	0	22	. ()	0 (0	0	215,070
Total for Howell Metal Co		0	22	22	0	0	22	e c		0 (0 0	0	215,070
SHENANDOAH	LSC COMMU	NICATIO	NS / STRA	SBURG				ONE SHE	ENANDOAF	I VALLEY I	OR	NAICS Coo	de 323111
CERTAIN GLYCOL ETHERS	N	3,485	41	3,526	0	0	3,526	6)	0 8,196	8,196	86	0
Total for Lsc Communications / Stra	sburg	3,485	41	3,526	0	0	3,526	c		0 8,190	8,196	86	0
SHENANDOAH	NEW MARKI	ET POULT	TRY LLC					145 OLD	EAST CRO	SS ROAD		NAICS Coo	de 311615
NITRATE COMPOUNDS	N	0	0	0	0	67,800	67,800	()	0 273,300	273,300	190	310
Total for New Market Poultry Llc		0	0	0	0	67,800	67,800	C		0 273,300	273,300	190	310
Total for Above County: (11 repor	ts)	9,046	27,459	36,505	0	108,367	144,872	c)	0 6,611,66	5 6,611,665	276	264,758
SMYTH	SUPERIOR C	ARRIERS	INC					4625 LEE	HWY			NAICS Coo	de 325998
N-BUTYL ALCOHOL	N	250	0	250	0	0	250) ()	0 (0	0	0
Total for Superior Carriers Inc		250	0	250	0	0	250	C		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)

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

Facility County/Independent	City)n-Site l						nagemen		Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	ı R		fr	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Name	e/Address	T	G. I	7D 4 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
SMYTH	UTILITY TRA		4 /	4 /	4 /	d	d	124 MOU	NTAIN EM	· · /	draw wwy	NAICS Co	<u> </u>
CHROMIUM	N	0	5	5	0	0	5	;)	0	0 0	0	167,859
DIISOCYANATES	N	0	0	0	0	0	0) ()	0	0 0	0	0
MANGANESE	N	0	18	18	0	0	18	3)	0	0 0	0	93,187
NICKEL	N	0	2	2	0	0	2	2)	0	0 0	0	53,687
Total for Utility Trailer Manufacturing	g Co	0	25	25	0	0	25	i ()	0	0 0	0	314,733
Total for Above County: (5 report	ts)	250	25	275	0	0	275	i c)	0	0 0	0	314,733
SOUTHAMPTON	ARKEMA IN	C FRANKI	FRANKLIN PLANT 27047 SHADY BROOK TRAIL								NAICS Co	ode 325199	
TERT-BUTYL ALCOHOL	N	250	250	500	0	0	500) ()	0	0 0	0	121,000
Total for Arkema Inc Franklin Plant		250	250	500	0	0	500	C)	0	0 0	0	121,000
SOUTHAMPTON	ATLANTIC P	OLE & PII	LING - NE	WSOMS				21366 GE	NERAL TI	HOMAS HV	VY	NAICS Co	de 321114
ARSENIC COMPOUNDS	N	0	0	0	0	13	13	()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	EPT N	0	0	0	0	11	11	()	0	0 0	0	0
COPPER COMPOUNDS	N	0	0	0	0	6	6	5)	0	0 0	0	0
Total for Atlantic Pole & Piling - New	vsoms	0	0	0	0	30	30	C)	0	0 0	0	0
SOUTHAMPTON	SOLENIS LL	C						27123 SH	ADY BRO	OK TRAIL		NAICS Co	de 325199
1,2-DICHLOROPROPANE	N	3,820	3,300	7,120	0	90	7,210	()	0	0 0	0	10
HYDROCHLORIC ACID (1995 AN	DA N	16,790	2,800	19,590	0	0	19,590) ()	0	0 0	0	0
TRIETHYLAMINE	N	4,300	4,900	9,200	0	10	9,210))	0	0 0	0	40
Total for Solenis Llc		24,910	11,000	35,910	0	100	36,010	()	0	0 0	0	50
Total for Above County: (7 report	ts)	25,160	11,250	36,410	0	130	36,540	()	0	0 0	0	121,050

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Facility County/Independent (~itv			On-Site						nagemen		Off-Site T	ransfers
	•		fi	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section 6	of Form R
Facility Name	/Address	E '4'	Gr. 1	T 4 1			Total	Energy			Total	Т	otal Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Fransfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
SPOTSYLVANIA	CMC REBAR							9434 CRC	SSROADS	PKWY		NAICS Code	332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Cmc Rebar		0	0	0	0	0	0	0)	0	0 0	0	0
SPOTSYLVANIA	OLDCASTLE	PRECAS	T INC					5115 MAS	SSAPONAX	K CHURCH	RD	NAICS Code	327390
MANGANESE COMPOUNDS	N	0	2	2	39	0	41	C)	0	0 0	0	4,198
Total for Oldcastle Precast Inc		0	2	2	39	0	41	0)	0	0 0	0	4,198
SPOTSYLVANIA	ONDULINE N	IA						4900 ONE	OURA DR			NAICS Code	324122
CERTAIN GLYCOL ETHERS	N	518	6,886	7,404	0	0	7,404	C)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	PT N	0	0	0	0	0	0	0)	0	0 0	0	250
Total for Onduline Na		518	6,886	7,404	0	0	7,404	·)	0	0 0	0	250
SPOTSYLVANIA	RUFFIN CRE	EK PROP	ERTIES L	LC				10229 TII	DEWATER	TRAIL		NAICS Code	321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	O)	0	0 0	0	0
Total for Ruffin Creek Properties Llc		0	0	0	0	0	0	0)	0	0 0	0	0
SPOTSYLVANIA	VIRGINIA CO	ONCRETE	SPOTSYL	VANIA PL	ANT			6110 SMI	TH STATI	ON ROAD		NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	519	519	O)	0	0 0	0	0
Total for Virginia Concrete Spotsylva	nia Plant	0	0	0	0	519	519	0)	0	0 0	0	0
Total for Above County: (6 reports	s)	518	6,888	7,406	39	519	7,965	0)	0	0 0	0	4,448
STAFFORD	COLONIAL (CIRCUITS	INC.					1026 WAI	RRENTON	RD		NAICS Code	334412
COPPER	N	0	0	0	0	0	0	C)	0	0 0	1	250
Total for Colonial Circuits Inc.		0	0	0	0	0	0	0	1	0	0 0	1	250
STAFFORD	MAPEI CORI	•						300 NELN	AS CIR			NAICS Code	325520

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Facility County/Independent	City			On-Site						agement	-	Off-Site	Transfers
Facility Nam	•		fı	rom Section	5 of Form	ı R	Total	fr	om Section	8 of Form R	T	from Section	n 6 of Form R
Facility Nam	e/Auuress	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LITHIUM CARBONATE	Y	0	0	0	0	0	C	()	0	0 (0	0
Total for Mapei Corp		0	0	0	0	0	0	O)	0	0 0	0	0
Total for Above County: (2 repor	rts)	0	0	0	0	0	0	O)	0	0 0	1	250
SUFFOLK (CITY)	AIRGAS SPE	CIALTY F	PRODUCTS	S INC., SUF	FOLK, V	A		105 DILL	RD			NAICS Co	de 424690
AMMONIA	N	250	250	500	0	0	500	0)	0	0 (0	0
Total for Airgas Specialty Products	Inc., Suffolk, Va	250	250	500	0	0	500	O)	0	0 0	0	0
SUFFOLK (CITY)	CAMERON C	CHEMICA	L INC.					830 OLD	DILL RD.			NAICS Co	de 325314
COPPER COMPOUNDS	N	250	250	500	0	5	505	6)	0	0 (0	0
MANGANESE COMPOUNDS	N	250	250	500	0	5	505	6)	0	0 (0	0
ZINC COMPOUNDS	N	250	250	500	0	5	505	6)	0	0 (0	0
Total for Cameron Chemical Inc.		750	750	1,500	0	15	1,515	O)	0	0 0	0	0
SUFFOLK (CITY)	SOLENIS LL	C						2301 WIL	ROY RD			NAICS Co	de 325199
ACRYLAMIDE	N	35	64	99	0	0	99	()	0 109,35	109,359	91,013	91,837
ACRYLIC ACID	N	23	102	125	0	0	125	()	0 25,25	55 25,255	1,318	2,344
ACRYLONITRILE	N	81	1,503	1,584	0	0	1,584	()	0 14,31	1 14,311	0	1
AMMONIA	N	20	534	554	0	0	554	()	0 16	57 167	1,113	1,557
METHANOL	N	390	3,327	3,717	0	0	3,717	′ (3,192,94	5 26,32	3,219,265	7,853	14,184
Total for Solenis Llc		549	5,530	6,079	0	0	6,079	O	3,192,94	5 175,41	2 3,368,357	101,297	109,923
Total for Above County: (9 repor	rts)	1,549	6,530	8,079	0	15	8,094	·	3,192,94	15 175,4	12 3,368,357	101,297	109,923
SUSSEX	MURPHY-BR	OWN LLO	C WAVERI	LY FEED N	IILL			27404 CA	BIN POINT	ΓRD		NAICS Co	de 311119
COPPER COMPOUNDS	N	0	3	3	0	0	3	()	0	0 (0	5
ZINC (FUME OR DUST)	N	0	4	4	0	0	4)	0	0 (0	6

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Facility County/Independent	City			On-Site 1				On-S	Site Man	agemen	t	Off-Site 7	ransfers
	•		fr	om Section	5 of Form	ı R		fr	om Section 8	8 of Form R		from Section	<u>6 of Form R</u>
Facility Name	e/Address	-	G	m			Total	Enongr			Total	,	Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
Total for Murphy-Brown Llc Waverly	Feed Mill	0	7	7		0	7	C	· ·	0	0 0		11
Total for Above County: (2 report	s)	0	7	7	0	0	7	C)	0	0 0	0	11
VIRGINIA BEACH (CITY)	PAPCO INC							4920 SOU	THERN BI	LVD		NAICS Code	424710
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Papco Inc		0	0	0	0	0	0	c)	0	0 0	0	0
VIRGINIA BEACH (CITY)	STIHL INC							536 VIKI	NG DR			NAICS Code	333112
N-HEXANE	N	56	7,616	7,672	0	0	7,672	()	0	0 0	0	0
TOLUENE	N	28	3,808	3,836	0	0	3,836	()	0	0 0	0	0
Total for Stihl Inc		84	11,424	11,508	0	0	11,508	C)	0	0 0	0	0
VIRGINIA BEACH (CITY)	U.S. NAVY NA	AVAL AIF	R STATION	OCEANA	RANGE			1750 TON	MCAT BLV	D		NAICS Code	928110
NAPHTHALENE	N	179	640	819	0	1	820	()	0 53	27 527	0	0
Total for U.S. Navy Naval Air Station	n Oceana Range	179	640	819	0	1	820	C)	0 5	27 527	0	0
Total for Above County: (4 report	s)	263	12,064	12,327	0	1	12,328	C)	0 5	27 527	0	0
WARREN	AXALTA COA	ATING SY	STEMS US	SA LLC-FR	ONT RO	YAL PLAN	Γ	7961 WIN	CHESTER	RD		NAICS Code	325510
1,2,4-TRIMETHYLBENZENE	N	26	233	259	0	0	259	()	0	70 70	0	5,918
1,2-BUTYLENE OXIDE	N	10	0	10	0	0	10	()	0	0 0	0	0
ACRYLIC ACID	N	0	368	368	0	0	368	()	0	0 0	0	0
ACRYLONITRILE	N	0	0	0	0	0	0	()	0	0 0	0	1
BUTYL ACRYLATE	N	0	520	520	0	0	520	()	0	0 0	0	114
CERTAIN GLYCOL ETHERS	N	0	183	183	0	0	183	()	0	3 3	0	2,190
CHROMIUM COMPOUNDS(EXCE	EPT N	0	1	1	0	0	1	()	0	0 0	0	0
CUMENE	N	1	13	14	0	0	14	()	0	0 0	0	2

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

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

2019 Toxics Release Inventory

Appendix F

Facility County/Independent	City			On-Site I						agement 3 of Form R			Transfers
Facility Nam	e/Address	Fugitive	Stack	Total	3 01 F01111	K	Total On-Site	Energy	om section (O FOI II K	Total On-Site	from Section	on 6 of Form R Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
CYCLOHEXANE	N	0	0	0	0	0	0	0	(0	0 0	0	3
CYCLOHEXANOL	N	0	27	27	0	0	27	0	(0	0 0	0	0
DIISOCYANATES	N	0	0	0	0	0	0	0	(0	0 0	0	161
ETHYL ACRYLATE	N	5	267	272	0	0	272	0	(0	0 0	0	1
ETHYLBENZENE	N	40	3,394	3,434	0	0	3,434	0	(0 39	0 390	0	23,151
METHANOL	N	519	1,826	2,345	0	0	2,345	0	(0	0 0	0	0
METHYL ACRYLATE	N	0	265	265	0	0	265	0	(0	0 0	0	4
METHYL ISOBUTYL KETONE	N	159	526	685	0	0	685	0	(0 82	1 821	0	69
METHYL METHACRYLATE	N	0	265	265	0	0	265	0		0	0 0	0	4
NAPHTHALENE	N	0	60	60	0	0	60	0		0	0 0	0	0
N-BUTYL ALCOHOL	N	0	126	126	0	0	126	0		0	0 0	0	133
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	794
STYRENE	N	0	1,178	1,178	0	0	1,178	0		0	0 0	0	113
TOLUENE	N	883	6,973	7,856	0	0	7,856	0	3,802,56	4 3,50	7 3,806,071	0	142,742
VANADIUM COMPOUNDS	N	0	2	2	0	0	2	0		0	0 0	0	3,532
XYLENE (MIXED ISOMERS)	N	587	7,576	8,163	0	0	8,163	0	3,508,40	3 1,55	5 3,509,958	0	136,926
ZINC COMPOUNDS	N	0	18	18	0	0	18	0	(0	0 0	0	1,930
Total for Axalta Coating Systems U	sa Llc-Front Royal	2,231	23,876	26,107	0	0	26,107	0	7,310,96	7 6,34	6 7,317,313	0	317,787
WARREN	QUARLES PE	TROLEU	M INC. FR	ONT ROY	AL BULK	PLANT		195 COM	MERCE AV	VE.		NAICS C	ode 424710
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

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

Facility County/Independent	City			On-Site						agement		Off-Site '	Transfers
	-		fı	om Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	6 of Form R
Facility Nam	e/Address	-	Q	m			Total	Enougy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
N-HEXANE	Y	0	0	0	0	0	0	0		0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	C	0		0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	C	0		0	0 0	0	0
Total for Quarles Petroleum Inc. Fro	ont Royal Bulk Pla	0	0	0	0	0	0	0		0	0 0	0	0
WARREN	RPS COMPO	SITES VII	RGINIA, IN	C.				211 E 4TH	I ST			NAICS Cod	le 326199
STYRENE	N	1,668	5,002	6,670	0	0	6,670	0		0	0 0	0	0
Total for Rps Composites Virginia,	Inc.	1,668	5,002	6,670	0	0	6,670	0		0	0 0	0	0
WARREN	TORAY PLAS	STICS (AN	MERICA) II	NC				500 TORA	AY DR			NAICS Cod	le 326150
NITRATE COMPOUNDS	N	0	0	0	0	0	C	0	135,03	2	0 135,032	0	5,363
NITRIC ACID	N	0	0	0	0	0	C	0		0	0 0	0	0
SODIUM NITRITE	N	0	0	0	0	0	C	0	252,29	7	0 252,297	0	8,436
Total for Toray Plastics (America) I	nc	0	0	0	0	0	0	0	387,32	9	0 387,329	0	13,799
Total for Above County: (36 repo	orts)	3,899	28,878	32,777	0	0	32,777	0	7,698,29	6,34	7,704,642	0	331,586
WASHINGTON	AGC FLAT G	LASS NA	ABINGDO	N PLANT				18370 OA	K PARK D	R		NAICS Cod	le 327215
SILVER	N	5	5	10	0	0	10	0		0	0 0	0	20,529
ZINC COMPOUNDS	N	5	5	10	0	0	10	0		0	0 0	0	9,032
Total for Agc Flat Glass Na Abingdo	on Plant	10	10	20	0	0	20	0		0	0 0	0	29,561
WASHINGTON	APPALACHI	AN PLAST	TICS INC.					34001 GL	OVE DR			NAICS Cod	le 326199
METHYL METHACRYLATE	N	1,244	3,731	4,975	0	0	4,975	0		0	0 0	0	0
STYRENE	N	9,618	28,855	38,473	0	0	38,473	0		0	0 0	0	0
Total for Appalachian Plastics Inc.		10,862	32,586	43,448	0	0	43,448	0		0	0 0	0	0
WASHINGTON	AZZ GALVA	NIZING-B	RISTOL					14781 INE	OUSTRIAL	PARK RD		NAICS Cod	le 332812

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Facility County/Independent	t City		(On-Site 1	Release	S		On-S	Site Man	agement	t	Off-Site	Transfers
, , ,	· ·		fı	om Section	5 of Form	R		fre	om Section 8	8 of Form R		from Sectio	n 6 of Form R
Facility Nan	ne/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
a		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	N	958	0	958	0	86	1,044	0)	0	0 0	0	206,383
Total for Azz Galvanizing-Bristol		958	0	958	0	86	1,044	0)	0	0 0	0	206,383
WASHINGTON	HAPCO							26252 HII	LLMAN HI	GHWAY		NAICS Co	de 332312
ALUMINUM (FUME OR DUST)	N	5,721	11,442	17,163	0	0	17,163	0)	0	0 0	0	191,255
ZINC (FUME OR DUST)	N	1,211	2,422	3,633	0	0	3,633	0)	0	0 0	0	62,812
ZINC COMPOUNDS	N	0	0	0	1	0	1	0)	0	0 0	0	0
Total for Hapco		6,932	13,864	20,796	1	0	20,797	0)	0	0 0	0	254,067
WASHINGTON	MXI ENVIRO	NMENT <i>A</i>	L SERVIC	ES, LLC				26319 OL	D TRAIL R	ED (ST RTE	679)	NAICS Co	de 562111
METHANOL	N	250	0	250	0	0	250	0)	0	0 0	0	0
Total for Mxi Environmental Service	es, Llc	250	0	250	0	0	250	0)	0	0 0	0	0
WASHINGTON	STRONGWEI	LL CORP	HIGHLAN	DS DIV				26770 NE	WBANKS I	RD		NAICS Co	de 326199
ANTIMONY COMPOUNDS	N	0	84	84	0	0	84	0)	0	0 0	0	0
STYRENE	N	8,740	0	8,740	0	0	8,740	0)	0	70 70	0	371
Total for Strongwell Corp Highland	ls Div	8,740	84	8,824	0	0	8,824	0)	0 7	70 70	0	371
WASHINGTON	UTILITY TRA	AILER MA	ANUFACTI	URING CO				13160 MC	ONROE RD			NAICS Co	de 336212
CHROMIUM	N	0	3	3	0	0	3	0)	0	0 0	0	44,626
DIISOCYANATES	Y	0	0	0	0	0	0	0)	0	0 0	0	0
MANGANESE	N	0	13	13	0	0	13	0)	0	0 0	0	33,241
NICKEL	N	0	1	1	0	0	1	0)	0	0 0	0	12,312
Total for Utility Trailer Manufacturing	ng Co	0	17	17	0	0	17	0)	0	0 0	0	90,179
WASHINGTON	W&W-AFCO	STEEL L	LC					15083 INI	DUSTRIAL	PARK RD		NAICS Co	de 332312
MANGANESE	N	0	2	2	0	0	2	0)	0	0 0	0	38,468
								l					

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Facility County/Independent (~itv			On-Site 1				On-S	Site Man	agement	t	Off-Site	Transfers
	-		fi	rom Section	5 of Form	ı R		fre	om Section	8 of Form R		from Section	1 6 of Form R
Facility Name	/Address	.	G. I	TD 4 1			Total	Enongy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
Total for W&W-Afco Steel Llc		0	2	2	0	0	2	0)	0	0 0	0	38,468
WASHINGTON	ZENITH FUE	L SYSTE	MS LLC					14570 INI	DUSTRIAL	PARK RD		NAICS Co	de 336310
ZINC COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	736
Total for Zenith Fuel Systems Llc		0	0	0	0	0	0	0)	0	0 0	0	736
Total for Above County: (17 repor	rts)	27,752	46,562	74,314	1	86	74,401	0)	0	70 70	0	619,765
WESTMORELAND	CARRY-ON T	RAILER	CORP					159 INDU	STRIAL P	ARK RD		NAICS Coo	de 336212
1,2,4-TRIMETHYLBENZENE	N	0	11,057	11,057	0	0	11,057	C)	0 28	36 286	0	204
CERTAIN GLYCOL ETHERS	N	0	34,223	34,223	0	0	34,223	C)	0 2,20	2,204	0	656
CHROMIUM	N	6	0	6	0	0	6	C)	0	0 0	0	482
MANGANESE	N	57	0	57	0	0	57	C)	0	0 0	0	1,357
NICKEL	N	6	0	6	0	0	6	C)	0	0 0	0	439
Total for Carry-On Trailer Corp		69	45,280	45,349	0	0	45,349	0)	0 2,49	2,490	0	3,138
Total for Above County: (5 reports	s)	69	45,280	45,349	0	0	45,349	0)	0 2,49	90 2,490	0	3,138
WINCHESTER (CITY)	O'SULLIVAN	FILMS I	NC					1944 VAL	LEY AVE			NAICS Coo	de 326113
ANTIMONY COMPOUNDS	N	10	58	68	0	0	68	C)	0	0 0	0	74
BARIUM COMPOUNDS	N	4	23	28	0	0	28	C)	0	0 0	7	8
DI(2-ETHYLHEXYL) PHTHALATE	N	32	181	213	0	0	213	C)	0	0 0	0	0
ETHYLBENZENE	N	0	181	181	0	0	181	C)	0 16,56	16,562	0	1,523
METHYL ISOBUTYL KETONE	N	0	2,782	2,782	0	0	2,782	C)	0 262,47	9 262,479	0	24,129
N,N-DIMETHYLFORMAMIDE	N	0	2,475	2,475	0	0	2,475	C)	0 222,95	222,953	0	20,506
TOLUENE	N	0	5,441	5,441	0	0	5,441	C)	0 490,98	490,988	0	45,157
XYLENE (MIXED ISOMERS)	N	0	909	909	0	0	909	C)	0 82,90	82,905	0	7,624

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Facility County/Independent City	from Sec								Site Man					Transfers
• • • •	duona		fı	rom Section	5 of Forn	ı R	70.4.1	fr	om Section	8 o	f Form R		from Section	6 of Form R
Facility Name/Ad	uress	Fugitive	Stools	Total			Total On-Site	Energy				Total		Total Other
		Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	T	reatment N	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)		(pounds)	Management (pounds)	(pounds)	(pounds)
Total for O'Sullivan Films Inc		46	12,051	12,097	0	0	12,097	0		0	1,075,887	1,075,887	7	99,022
Total for Above County: (8 reports)		46	12,051	12,097	0	0	12,097	0		0	1,075,887	1,075,887	7	99,022
WISE VI	RGINIA CI	TY HYBR	ID ENERG	GY CENTE	R			3425 RUS	SELL CRE	EEK	K RD		NAICS Coo	le 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0	0	0	0
AMMONIA	N	0	64,700	64,700	0	32	64,732	C)	0	0	0	0	0
BARIUM COMPOUNDS	N	0	581	581	110,000	35	110,616	C)	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	82	82	20,400	0	20,482	C)	0	0	0	0	0
COPPER COMPOUNDS	N	0	168	168	22,600	1	22,769	C)	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	65,600	65,600	0	0	65,600	C)	0	864,000	864,000	0	0
HYDROGEN FLUORIDE	N	0	126	126	0	0	126	C)	0	108,000	108,000	0	0
MANGANESE COMPOUNDS	N	0	5,490	5,490	37,600	26	43,116	C)	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	C)	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0	0	0	0
NICKEL COMPOUNDS	N	0	126	126	20,100	1	20,227	C)	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	3,690	3,690	0	0	3,690	C)	0	338,000	338,000	0	0
VANADIUM COMPOUNDS	N	0	3	3	42,600	0	42,603	C)	0	0	0	0	0
ZINC COMPOUNDS	N	0	1,440	1,440	27,100	11	28,551	C)	0	0	0	0	0
Total for Virginia City Hybrid Energy Cent	ter	0	142,006	142,0062	280,400	107	422,513	0	1	0	1,310,000	1,310,000	0	0
Total for Above County: (14 reports)		0	142,006	142,006	280,400	107	422,513	0		0	1,310,000	1,310,000	0	0
WYTHE HU	JTCHINSO	N SEALIN	IG SYSTEN	MS INC				1150 S TH	IIRD ST				NAICS Coo	de 326291
ZINC COMPOUNDS	N	32	736	768	0	0	768	C)	0	0	0	1	12,346
Total for Hutchinson Sealing Systems Inc		32	736	768	0	0	768	0		0	0	0	1	12,346

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Facility County/Independent (~itv			On-Site 1						nagemen		Off-Site T	ransfers
• • •			fı	om Section	5 of Form	R		fre	om Section	8 of Form R		from Section	<u>6 of Form R</u>
Facility Name	/Address						Total	E			Total		Total Other
		Fugitive	Stack	Total	T J	Water	On-Site	Energy	D !!	T44	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	(pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
WYTHE	LONGWOOD	. ,	4 /	· /	(1 · · · · · · ·)	(1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	(Ir and Ir and I	655 FAIR	VIEW RD	4	(F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NAICS Code	
TOLUENE	N	1,365	12,287	13,652	0	0	13,652	0)	0	0 0	0	1,061
ZINC COMPOUNDS	N	0	4	4	0	0	4	0)	0	0 0	2	3,694
Total for Longwood Elastomers Inc		1,365	12,291	13,657	0	0	13,657	0		0	0 0	2	4,755
Total for Above County: (3 reports	s)	1,397	13,027	14,425	0	0	14,425	0		0	0 0	4	17,101
YORK	AFETA CAM	P PEARY						1100 EXE	CUTIVE D	RIVE		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 COR	PORATIO	N - WILLI	AMSBURG	MANUF	ACTURING	3	149 WAR	WICK CO	URT		NAICS Code	335999
CHROMIUM	N	0	0	0	0	0	0	0)	0	0 0	0	44,022
NICKEL	N	0	0	0	0	0	0	0	1	0	0 0	0	17,084
Total for Eaton Corporation - William	nsburg Manufactu	0	0	0	0	0	0	0		0	0 0	0	61,106
YORK	US NAVY NW	VSY DEFE	NSE FUEL	SUPPLY P	OINT YO	RKTOWN		FUEL FA	RM RD			NAICS Code	928110
NAPHTHALENE	N	1	103	104	0	0	104	0)	0 2,5	67 2,567	0	0
Total for Us Navy Nwsy Defense Fu	el Supply Point Y	1	103	104	0	0	104	0		0 2,5	67 2,567	0	0
YORK	YORKTOWN	POWER	STATION					1600 WA	TERVIEW	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	1	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	1	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: (7 reports	s)	1	103	104	0	0	104	0		0 2,5	67 2,567	0	61,106

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

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

Appendix G - 2019 Summary of Facilities, Chemical Releases, Transfers and Management (PBT)

Appendix G: 2019 Summary of Facilities, Chemical Releases, Transfers, and Management (PBT) Alphabetical Listing by Facility Within Each County/Independent City

2019 Toxics Release Inventory

Appendix G

Facility County/Independent (City			On-Site						agemen			Transfers
Facility Name	•		1	rom Section	15 of Form	K	Total	ire	m Section	8 of Form R	Total	from Section	6 of Form R
racinty reality	77 1441 C33	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ACCOMACK	PERDUE FA	RMS ACC	OMAC PRO	OCESSING	FPLANT			22520 LA	NKFORD	HWY		NAICS Code	311615
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	OU N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Perdue Farms Accomac Pre	ocessing Plant	0	0	0	0	0	0	0		0	0 0	0	0
ACCOMACK	U.S. NASA G	SFC WAL	LOPS FLIC	GHT FACII	LITY			34200 FU	JLTON ST	REET		NAICS Code	927110
LEAD COMPOUNDS	N	0	44	44	0	3	691	0		0	0 0	0	0
Total for U.S. Nasa Gsfc Wallops Fli	ght Facility	0	44	44	0	3	691	0		0	0 0	0	0
Total for Above County: (3 record	s)	0	44	44	0	3	691	0		0	0 0	0	0
ALBEMARLE	INTELLIGE	NT PLATE	ORMS, LL	·C				2500 AU	STIN DRIV	/E		NAICS Code	334513
LEAD	N	0	1	1	0	0	1	0		0	0 0	0	300
Total for Intelligent Platforms, Llc		0	1	1	0	0	1	0		0	0 0	0	300
ALBEMARLE	NORTHROP	GRUMM	AN SYSTE	MS CORPO	PRATION			1070 SE	MINOLE T	RAIL		NAICS Code	334511
LEAD	N	0	0	0	0	0	0	0		0	0 0	1	15
Total for Northrop Grumman System	s Corporation	0	0	0	0	0	0	0		0	0 0	1	15
ALBEMARLE	S.L. WILLIA	MSON CO	. INC. SHO)P				1230 RIV	ER ROAD)		NAICS Code	324121
POLYCYCLIC AROMATIC COMPO	DU N	0	0	0	0	0	0	0		0	0 0	0	0
Total for S.L. Williamson Co. Inc. Sh	ор	0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (3 record	s)	0	1	1	0	0	1	0		0	0 0	1	315
ALEXANDRIA (CITY)	VIRGINIA PA	AVING AL	EXANDRI	A PLANT				5601 CO	URTNEY A	AVENUE		NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	DU N	1	0	1	0	0	1	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)

Facility County/Independent City	7			On-Site						agement			Transfers
Facility Name/Ad			fi	rom Section	5 of Form	R	Total	fro	om Section 8	3 of Form R	Total	from Section	1 6 of Form R
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water	On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	On-Site	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Virginia Paving Alexandria Plan	nt	1	0	1	0	Ó	1	0	<u> </u>	4	0 0	- /	0
Total for Above County: (2 records)		1	0	1	0	0	1	0	()	0 0	0	0
AMHERST CO	OOPER ST	EEL						275 FRA	NCIS AVE			NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Cooper Steel		0	0	0	0	0	0	0	()	0 0	0	0
AMHERST G	REIF PACI	KAGING L	LC					861 FIBI	RE PLANT	RD		NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0		0	0 0	0	0
LEAD	N	0	5	5	0	0	5	0		0	0 0	0	0
Total for Greif Packaging Llc		0	5	5	0	0	5	0	()	0 0	0	0
Total for Above County: (3 records)		0	5	5	0	0	5	0	()	0 0	0	0
ARLINGTON PI	ENTAGON	RESERVA	ATION					2 N ROT	ARY RD			NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
LEAD COMPOUNDS	N	0	276	276	0	0	276	0		0	0 0	0	0
Total for Pentagon Reservation		0	276	276	0	0	276	0	()	0 0	0	0
ARLINGTON US	S ARMY JO	OINT BASI	E MYER-H	ENDERSO	N HALL C	GARRISON	OPS (PA	204 LEE	AVE			NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Us Army Joint Base Myer-Hend	derson Hall	0	0	0	0	0	0	0	()	0 0	0	0
ARLINGTON VI	IRGINIA C	ONCRETI	E SHIRLIN	GTON PLA	NT			2651 SH	IRLINGTO	N RD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Virginia Concrete Shirlington Pl	lant	0	0	0	0	0	0	0	()	0 0	0	0
Total for Above County : (4 records)		0	276	277	0	0	277	0	()	0 0	0	0
AUGUSTA BA	ALL ADVA	NCED AL	UMINUM 7	TECHNOL	OGIES CO	DRP		56 DUNS	SMORE RD	1		NAICS Code	331524
LEAD	N	0	4	4	0	0	4	0		0	0 0	0	71
Total for Ball Advanced Aluminum Tech	nologies C	0	4	4	0	0	4	0	()	0 0	0	71

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

Facility County/Independent C	City			On-Site						agemen 8 of Form R			Transfers
Facility Name/	/Address		TI TI	om Section	1 5 01 Form	K	Total	ire	om Section a	8 01 FORM K	Total	from Section	1 6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
AUGUSTA	NIBCO OF V	IRGINIA I	INC.					131 JOH	INSON DRI	IVE	-	NAICS Code	332112
LEAD	N	0	0	0	0	1	1	0		0	0 0	1	96
Total for Nibco Of Virginia Inc.		0	0	0	0	1	1	0		0	0 0	1	96
AUGUSTA	TAYLOR & I	BOODY IN	IC.					8 HEWI	TT RD			NAICS Code	339992
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
Total for Above County: (3 records	s)	0	4	4	0	1	5	0		0	0 0	1	167
BEDFORD	CUSTOM TR	RUCK ONE	E SOURCE					12660 E	LYNCHBU	RG SALEN	M TPKE	NAICS Code	333120
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	6,730
Total for Custom Truck One Source		0	0	0	0	0	0	0		0	0 0	0	6,730
BEDFORD	GEORGIA-P.	ACIFIC B	IG ISLAND	MILL				9363 LE	E-JACKSO	N HWY		NAICS Code	322121
LEAD COMPOUNDS	N	0	40	40	0	145	648	0		0	0 0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	3	7	0		0	0 0	0	0
Total for Georgia-Pacific Big Island M	⁄lill	0	42	43	0	148	655	0		0	0 0	0	0
BEDFORD	WHEELABR	ATOR AB	RASIVES I	NC				1 ABRAS	SIVE AVE			NAICS Code	327910
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	39,948
Total for Wheelabrator Abrasives Inc	;	0	0	0	0	0	0	0		0	0 0	0	39,948
Total for Above County: (4 records	s)	0	42	43	0	148	655	0		0	0 0	0	46,678
BOTETOURT	METALSA R	OANOKE	INC.					184 VIST	ΓA DR			NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	871
Total for Metalsa Roanoke Inc.		0	0	0	0	0	0	0		0	0 0	0	871
BOTETOURT	ROANOKE (CEMENT (CO LLC					6071 CA	TAWBA R	D		NAICS Code	327310
LEAD COMPOUNDS	N	3	40	43	0	0	43	0		0	0 0	0	0
MERCURY COMPOUNDS	N	0	36	36	0	0	36	0		0	0 0	0	0

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Facility County/Independent Cit	ty			On-Site					Site Man				Transfers
Facility Name/A	•		11	rom Section	5 of Form	K	Total	iro	om Section 8	of Form K	Total	from Section	6 of Form R
Tacinty Name/1	iddi C33	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Famile	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Roanoke Cement Co Llc		3	76	79	0	0	79	0	C)	0 0	0	0
Total for Above County: (3 records)		3	76	79	0	0	79	0	C)	0 0	0	871
BRISTOL (CITY)	ASSOCIATE	D ASPHA	LT BRISTO	L, LLC				10 SPUR	RGEON LAN	NE		NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	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
Total for Associated Asphalt Bristol, Llo	С	0	16	16	0	0	16	0	C)	0 0	0	0
Total for Above County: (2 records)		0	16	16	0	0	16	0	C)	0 0	0	0
BUCHANAN J	JEWELL CO	KE CO LI	P					1034 DIS	SMAL RIVE	CR RD		NAICS Code	331110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	()	0 0	0	0
LEAD COMPOUNDS	N	0	4,505	4,505	0	0	4,505	0	()	0 0	0	0
MERCURY COMPOUNDS	N	0	87	87	0	0	87	0	()	0 0	0	0
Total for Jewell Coke Co Lp		0	4,593	4,593	0	0	4,593	0	O)	0 0	0	0
Total for Above County: (3 records)		0	4,593	4,593	0	0	4,593	0	C)	0 0	0	0
BUCKINGHAM I	KYANITE M	INING CO	ORP MULL	ITE PLAN	Γ			5836 BU	FFALO RO	AD		NAICS Code	212325
POLYCYCLIC AROMATIC COMPOU	N	28	0	28	0	0	28	0	()	0 0	0	0
Total for Kyanite Mining Corp Mullite P	lant	28	0	28	0	0	28	0	C)	0 0	0	0
Total for Above County: (1 record)		28	0	28	0	0	28	0	C)	0 0	0	0
BUENA VISTA (CITY)	EVERBRITE	LLC						627 E 30	TH ST			NAICS Code	339950
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	0	153
Total for Everbrite Llc		0	0	0	0	0	0	0	C)	0 0	0	153
Total for Above County: (1 record)		0	0	0	0	0	0	0	C)	0 0	0	153
CAMPBELL	BANKER ST	EEL COM	IPANY, LLO	C				351 RAN	GOON RO	AD		NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	1,290
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	C)	0 0	0	1,290
CAMPBELL	BWXT NUCL	LEAR OPE	ERATIONS	GROUP, II	NC.			1570 MC	OUNT ATHO	OS RD		NAICS Code	332410
												1	

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Facility County/Independent	t City			On-Site						agement		Off-Site	Fransfers
	•		fr	om Section	5 of Form	R		fro	m Section 8	of Form R		from Section	6 of Form R
Facility Nan	ne/Address	Fugitive	Stools	Total			Total On-Site	Energy			Total On-Site		Total Other
CI LAN		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD COMPOUNDS	N	0	0	0	3,604	5	3,611	0	0)	0 0	0	4
Total for Bwxt Nuclear Operations	Group, Inc.	0	0	0	3,604	5	3,611	0	0)	0 0	0	4
CAMPBELL	GEORGIA-PA	ACIFIC W	OOD PROI	DUCTS LL	C - BROO	KNEAL O	SB	11795 BF	ROOKNEAI	L HIGHWA	Y	NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COM	MPO 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	90
Total for Georgia-Pacific Wood Pro	oducts Llc - Bro	0	4	4	0	0	4	0	0) (0 0	0	90
CAMPBELL	SCHRADER-	BRIDGEF	ORT INTE	RNATION	AL			205 FRA	ZIER RD			NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0	0)	0 0	1	73,454
Total for Schrader-Bridgeport Inter	rnational	0	0	0	0	0	0	0	0)	0 0	1	73,454
Total for Above County: (5 reco	rds)	0	4	4	3,604	5	3,615	0	0) (0 0	1	74,838
CAROLINE	OLDCASTLE	E APG MII	D-ATLANT	IC MILFO	RD, VA			16326 IN	D US TRIA	L DR		NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0)	0 0	0	0
Total for Oldcastle Apg Mid-Atlanti	ic Milford, Va	0	0	0	0	0	0	0	0) (0 0	0	0
CAROLINE	US ARMY FO	ORT AP H	ILL GARRI	SON (PAR	T)			19952 N	RANGE RD	•		NAICS Code	928110
LEAD COMPOUNDS	N	57	0	57	0	990	20,812	0	0)	0 0	0	1,177
Total for Us Army Fort Ap Hill Gard	rison (Part)	57	0	57	0	990	20,812	0	0) (0 0	0	1,177
Total for Above County: (2 reco	rds)	57	0	57	0	990	20,812	0	0) (0 0	0	1,177
CARROLL	VAUGHAN-E	BASSETT	FURNITUR	E CO. GAI	LAX			300 E GF	RAYSON ST	Γ		NAICS Code	337122
LEAD	N	0	1	1	0	0	1	0	0)	0 0	0	0
Total for Vaughan-Bassett Furnitu	re Co. Galax	0	1	1	0	0	1	0	0) (0 0	0	0
Total for Above County: (1 reco	rd)	0	1	1	0	0	1	0	0) (0 0	0	0
CHARLOTTE	MORGAN LU	JMBER C	OMPANY,	INC.				628 JEB	STUART H	IGHWAY		NAICS Code	321113
LEAD COMPOUNDS	N	0	18	18	467	0	485	0	0)	0 0	0	0
Total for Morgan Lumber Compan	y, Inc.	0	18	18	467	0	485	0	0) (0 0	0	0
Total for Above County: (1 reco	rd)	0	18	18	467	0	485	0	0) (0 0	0	0

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Facility County/Independent	City				Release					agemen			Transfers
Facility Name	•		<u>t</u> 1	rom Section	15 of Form	K	Total	ire	om Section 8	8 of Form R	Total	from Section	1 6 of Form R
1 definey I dame	orradi ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)		POTW (pounds)	Transfers ** (pounds)
CHESAPEAKE (CITY)	CONCRETE	PIPE & PI	RECAST L	LC CHESA	PEAKE P	LANT		3801 CO	OK BLVD			NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	1	0	0 0	0	0
Total for Concrete Pipe & Precast LI	lc Chesapeake	0	0	0	0	0	0	0		0	0 0	0	0
CHESAPEAKE (CITY)	US/NAVY NA	AVAL SUP	PORT ACT	TIVITY NO	RTHWEST	Γ ANNEX	RANGE	1320 NW	BLVD SU	ITE 100		NAICS Code	928110
LEAD	N	0	0	0	0	0	24,446	0	1	0	0 0	0	0
Total for Us/Navy Naval Support Act	tivity Northwest	0	0	0	0	0	24,446	0		0	0 0	0	0
Total for Above County: (2 record	is)	0	0	0	0	0	24,446	0		0	0 0	0	0
CHESTERFIELD	ALERIS ROI	LLED PRO	DUCTS IN	C				1701 RE	YMET RD			NAICS Code	331314
DIOXIN AND DIOXIN-LIKE COMP	PO N	0	0	0	0	0	0	0	1	0	0 0	0	6
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	ı	0	0 0	0	94
Total for Aleris Rolled Products Inc		0	1	2	0	0	2	0		0	0 0	0	99
CHESTERFIELD	CHESTERFI	ELD POW	ER STATIO	ON				500 COX	KENDALE 1	RD		NAICS Code	221112
LEAD COMPOUNDS	N	0	39	39	0	23	5,033	0	1	0	0 0	0	523
MERCURY COMPOUNDS	N	0	5	5	0	0	67	0	ı	0	0 0	0	7
POLYCYCLIC AROMATIC COMPO	OU N	1	0	1	0	0	1	0	1	0	0 0	0	0
Total for Chesterfield Power Station		1	44	45	0	23	5,100	0		0	0 0	0	530
CHESTERFIELD	DUPONT TE	IJIN FILM	1S					3600 DIS	SCOVERY	DR		NAICS Code	325211
POLYCYCLIC AROMATIC COMPO	OU N	7	2	9	0	0	76	0	1	0	0 0	0	0
Total for Dupont Teijin Films		7	2	9	0	0	76	0		0	0 0	0	0
CHESTERFIELD	KAISER ALU	U MINUM I	FABRICAT	ED PROD	UCTS LLC			1901 RE	YMET RD			NAICS Code	331318
LEAD	N	0	0	0	0	0	0	0	1	0	0 0	0	418
Total for Kaiser Aluminum Fabricate	ed Products Llc	0	0	0	0	0	0	0		0	0 0	0	418
CHESTERFIELD	MECHANIC	SVILLE C	ONCRETE	LLC-CHE	STERFIEI	D PLANT		3501 WA	ARBRO RD	ı		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	ı	0	0 0	0	0

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Facility County/Independent	City			On-Site						agemen		Off-Site	Transfers
Facility Name	•		fı	om Section	5 of Form	R	T. ()	fre	om Section 8	8 of Form R		from Section	1 6 of Form R
Facility Name	e/Auul ess	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Chemear Ivanie	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Mechanicsville Concrete LI	c-Chesterfield	0	0	0	0	0	0	0)	0	0 0	0	0
CHESTERFIELD	OLDCASTLI	E APG MII	D-ATLANT	IC RICHM	OND, VA			1231 WI	LLIS RD			NAICS Code	327999
LEAD COMPOUNDS	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
CHESTERFIELD	SAFETY-KL	EEN SYST	EMS CHES	STER (CVA	A)			1200 W	100 RD			NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	221
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	629
POLYCYCLIC AROMATIC COMPO	OU N	0	0	0	0	0	0	0)	0	0 0	0	1,609
Total for Safety-Kleen Systems Che	ester (Cva)	0	0	0	0	0	0	0) (0	0 0	0	2,459
CHESTERFIELD	SPRUANCE	PLANT						5401 JEI	FFERSON I	DAVIS HW	Y	NAICS Code	325220
POLYCYCLIC AROMATIC COMPO	OU N	22	0	22	0	0	222	0)	0	0 0	0	423
Total for Spruance Plant		22	0	22	0	0	222	0) (0	0 0	0	423
CHESTERFIELD	TCS MATER	IALS CHE	ESTER PLA	NT				12020 O	LD STAGE	ROAD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Tcs Materials Chester Plan	nt	0	0	0	0	0	0	0) (0	0 0	0	0
CHESTERFIELD	WEIDMULL	ER						821 SOU	THLAKE I	BLVD		NAICS Code	335999
LEAD COMPOUNDS	N	1	1	2	0	0	2	0)	0	0 0	0	0
LEAD COMPOUNDS	N	1	1	2	0	0	2	0)	0	0 0	0	0
Total for Weidmuller		2	2	4	0	0	4	0) (0	0 0	0	0
Total for Above County: (16 reco	rds)	33	49	82	0	23	5,404	0) (0	0 0	0	3,929
COVINGTON (CITY)	INGEVITY V	'IRGINIA	CORPORA	TION				958 E RI	VERSIDE :	ST		NAICS Code	325998
DIOXIN AND DIOXIN-LIKE COME	PO N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Ingevity Virginia Corporation	n	0	0	0	0	0	0	0) (0	0 0	0	0
COVINGTON (CITY)	WESTROCK	VIRGINL	A CORPOR	ATION (E	NTIRE)			104 E. R	IVERSIDE	STREET		NAICS Code	322130

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Facility County/Independent Cit	v			On-Site						agemen		Off-Site	Transfers
· · · ·	•		fi	rom Section	5 of Form	R		fro	om Section	8 of Form R		from Section	n 6 of Form R
Facility Name/A	aaress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
BENZO(G,H,I)PERYLENE	N	0	3	3	0	0	9	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	128	128	0	84	5,482	0		0	0 0	0	0
MERCURY COMPOUNDS	N	0	25	25	0	0	48	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	321	321	0	0	384	0		0	0 0	0	0
Total for Westrock Virginia Corporation	(Entire)	0	478	478	0	84	5,924	0		0	0 0	0	0
Total for Above County: (6 records)		0	478	478	0	84	5,924	0		0	0 0	0	0
CULPEPER F	BINGHAM &	& TAYLOF	ł					601 NAL	LE PL			NAICS Code	e 331511
LEAD	N	0	6	6	0	0	6	0		0	0 0	0	688
Total for Bingham & Taylor		0	6	6	0	0	6	0		0	0 0	0	688
CULPEPER E	BRANTNER	& ASSOC	IATES INC	, DBA TE (CONNECT	TIVITY MO	G	751 OLD	BRANDY	RD		NAICS Code	e 331491
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	96
Total for Brantner & Associates Inc, Db	a Te Conn	0	0	0	0	0	0	0		0	0 0	0	96
Total for Above County: (2 records)		0	6	6	0	0	6	0		0	0 0	0	785
DANVILLE (CITY)	EIT SOUTH							350 SLA	YTON AVI	ENUE		NAICS Code	e 334111
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	29
Total for Eit South		0	0	0	0	0	0	0		0	0 0	0	29
DANVILLE (CITY)	THE GOODY	YEAR TIR	E & RUBBI	ER CO.				1901 GO	ODYEAR I	BLVD		NAICS Code	e 326211
LEAD COMPOUNDS	N	0	2	2	0	0	2	0		0	0 0	10	85
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0		0	0 0	0	450
Total for The Goodyear Tire & Rubber	Co.	0	7	7	0	0	7	0		0	0 0	10	535
Total for Above County: (3 records)		0	7	7	0	0	7	0		0	0 0	10	564
DINWIDDIE	CHAPARRA	L (VA) IN	C					25801 Н	OFHEIME	R WAY		NAICS Code	e 331110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0		0	0 0	0	0
LEAD COMPOUNDS	N	80	9	89	0	0	89	0		0	0 0	0	173,342
												1	

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Facility County/Independent (Citv)n-Site]					Site Man				Transfers
Facility Name	•		fr	om Section	5 of Form	R	Total	fro	om Section 8	3 of Form R	Total	from Section	6 of Form R
Taciney Ivanic	771441 C33	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MERCURY COMPOUNDS	N	80	9	89	0	0	89	0	(0	0 0	0	90
Total for Chaparral (Va) Inc		160	19	179	0	0	179	0		D	0 0	0	173,432
DINWIDDIE	TMS INTERN	NATIONA	L, LLC					25805 H	OFHEIME	R WAY		NAICS Code	562920
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Tms International, Llc		0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (4 record	ls)	160	19	179	0	0	179	0		0	0 0	0	173,432
FAIRFAX	BREN MAR							6315 BR	EN MAR D	R		NAICS Code	922120
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	1,090
Total for Bren Mar		0	0	0	0	0	0	0		0	0 0	0	1,090
FAIRFAX	NEWINGTO	N CONCR	ETE PLAN	Γ				8413 TE	RMINAL R	a D		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Newington Concrete Plant		0	0	0	0	0	0	0	•	0	0 0	0	0
FAIRFAX	SUPERIOR C	CONCRET	E MATERI	ALS INC	LORTON	Ī		8420 TE	RMINAL R	LD.		NAICS Code	327320
LEAD	N	6	0	6	0	0	6	0		0	0 0	0	0
Total for Superior Concrete Material	s Inc Lorton	6	0	6	0	0	6	0		0	0 0	0	0
FAIRFAX	TITAN VIRG	INIA REA	DY-MIX LI	LC-CENTE	REVILLE 1	PLANT		15718 LI	EE HIGHW	AY		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix Ll	c-Centreville PI	0	0	0	0	0	0	0		0	0 0	0	0
FAIRFAX	TITAN VIRG	SINIA REA	DY-MIX LI	LC-SPRING	GFIELD P	LANT		6600 EL	ECTRONIC	C DR		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix Ll	c-Springfield P	0	0	0	0	0	0	0		0	0 0	0	0
FAIRFAX	VIRGINIA C	ONCRETI	E EDSALL I	ROAD PLA	NT			5412 INI	DUSTRIAL	DR		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Virginia Concrete Edsall Ro	oad Plant	0	0	0	0	0	0	0	•	0	0 0	0	0

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Facility County/Independent C	ʻitv			On-Site						agemen		Off-Site	Transfers
· · · ·	•		fı	om Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	1 6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (6 records	5)	6	0	6	0	0	6	0		0	0 0	0	1,090
FAIRFAX (CITY)	CITGO FAIR	FAX TER	MINAL					9600 CO	LONIAL A	VE		NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	1	0	0 0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	1	0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0	1	0	0 0	0	0
Total for Citgo Fairfax Terminal		0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (3 records	5)	0	0	0	0	0	0	0		0	0 0	0	0
FALLS CHURCH (CITY)	VIRGINIA C	ONCRETE	E FALLS CI	HURCH PI	LANT			7103 GO	RDON RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	1	0	0 0	0	0
Total for Virginia Concrete Falls Chur	ch 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
FAUQUIER	CHEMETRIC	CS INC						4295 CA	TLETT RD	•		NAICS Code	325998
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	ı	0	0 0	0	15
Total for Chemetrics Inc		0	0	0	0	0	0	0		0	0 0	0	15
FAUQUIER	US DOD, WA	RRENTO	N TRAININ	G CENTE	R STATIO	N A RANG	E	8094 SH	IPMADILL	Y LN		NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	ı	0	0 0	0	0
Total for Us Dod, Warrenton Training	Center Statio	0	0	0	0	0	0	0		0	0 0	0	0
FAUQUIER	US DOD, WA	RRENTO	N TRAININ	G CENTE	R STATIO	N B RANG	E	7471 BE	AR WALL	OW ROAD		NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	ı	0	0 0	0	3,792
Total for Us Dod, Warrenton Training	Center Statio	0	0	0	0	0	0	0		0	0 0	0	3,792
FAUQUIER	US DOD, WA	RRENTO	N TRAININ	G CENTE	R STATIO	N C RANG	E	7248 SU	MERDUCK	K RD		NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	ı	0	0 0	0	5,736
Total for Us Dod, Warrenton Training	Center Statio	0	0	0	0	0	0	0		0	0 0	0	5,736
Total for Above County: (4 records	s)	0	0	0	0	0	0	0		0	0 0	0	9,543

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Facility County/Independ	lent City			On-Site					Site Man				Transfers
	Vame/Address		fi	rom Section	15 of Form	R	T-4-1	fro	om Section 8	3 of Form R		from Section	6 of Form R
racinty is	Vallie/Auul ess	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
FREDERICK	APG MID-AT	TLANTIC	- WINCHES	STER	<u> </u>	<u> </u>	4	396 TYS	ON DRIVE	4	u /	NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Apg Mid-Atlantic - Wir	nchester	0	0	0	0	0	0	0		0	0 0	0	0
FREDERICK	O-N MINERA	ALS (CHE	MSTONE)	WINCHES	TER LIMI	E PLANT		508 QUA	ARRY LN			NAICS Code	327410
LEAD COMPOUNDS	N	0	0	0	0	0	317	0		0	0 0	0	0
Total for O-N Minerals (Chems	tone) Winchester Li	0	0	0	0	0	317	0		0	0 0	0	0
FREDERICK	TITAN VIRG	INIA REA	ADY-MIX L	LC-CLEA	R BROOK	PLANT		1383 BR	UCETOWN	RD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-N	Mix Llc-Clear Brook	0	0	0	0	0	0	0		0	0 0	0	0
FREDERICK	VIRGINIA C	ONCRETI	E - STEPHE	ENS CITY				339 EST	EP ROAD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Virginia Concrete - Ste	ephens City	0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (4 re	ecords)	0	0	0	0	0	317	0	•	0	0 0	0	0
GALAX (CITY)	GUARDIAN 1	FABRICA	TION, LLC	- PLANT	2			110 JAC	K GUYNN	DR		NAICS Code	327215
LEAD	N	0	0	0	0	0	0	0		0	0 0	1	109
Total for Guardian Fabrication,	Llc - Plant 2	0	0	0	0	0	0	0		0	0 0	1	109
GALAX (CITY)	MOOG INC.							115 JAC	K GUYNN	DR		NAICS Code	334412
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	310
Total for Moog Inc.		0	0	0	0	0	0	0	•	0	0 0	0	310
GALAX (CITY)	WEBB ENTE	RPRISES	LLC AMEI	RICAN MI	RROR			602 E ST	CUART DR			NAICS Code	327215
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Webb Enterprises Llc	American Mirror	0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (3 re	ecords)	0	0	0	0	0	0	0		0	0 0	1	420
GILES	CELANESE A	ACETATE	E LLC - CEI	LCO P LAN	NT			3520 VII	RGINIA AV	E		NAICS Code	325220
												•	

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Facility County/Independent C	ity			On-Site						agement			Transfers
Facility Name/A	Address	Fugitive	Stack	om Section Total	1 5 01 FORM	K	Total On-Site	Energy	om Section	8 of Form R	Total On-Site	from Section	n 6 of Form R Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
MERCURY	N	0	2	2	0	0	2	0	1	0	0 0	0	15
POLYCHLORINATED BIPHENYLS	N	0	0	0	0	0	0	0)	0	0 0	0	122
Total for Celanese Acetate Llc - Celco	o P Lant	0	2	2	0	0	2	0	1	0	0 0	0	138
GILES	LHOIST NA	OF VIRGI	NIA INC K	IMBALLT	ON AREA	1		2093 BIG	G STONY (CREEK RD		NAICS Code	e 327410
LEAD COMPOUNDS	N	0	1	1	0	0	712	0)	0	0 0	0	0
MERCURY COMPOUNDS	N	0	5	5	0	0	20	0)	0	0 0	0	0
Total for Lhoist Na Of Virginia Inc Kim	nballton Area	0	5	5	0	0	731	0)	0	0 0	0	0
Total for Above County: (4 records	s)	0	8	8	0	0	734	0)	0	0 0	0	138
GLOUCESTER	TCS MATER	IALS GLO	OUCESTER	READY-M	1IX			5248 GE	ORGE WA	SHINGTON	N MEMORIAL	NHAICS Code	e 327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Tcs Materials Gloucester Re	ady-Mix	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
GREENSVILLE	GEORGIA P.	ACIFIC W	OOD PRO	DUCTS LI	LC EMPO	RIA PLYV	WOOD	634 DAV	IS ST			NAICS Code	e 321212
LEAD COMPOUNDS	N	0	255	255	0	0	255	0)	0	0 0	0	52
Total for Georgia Pacific Wood Produ	ucts Llc Em	0	255	255	0	0	255	0		0	0 0	0	52
GREENSVILLE	STEELFAB (OF VIRGI	NIA INC					1510 RE	ESE ST			NAICS Code	e 332312
LEAD	N	8	0	9	0	0	9	0)	0	0 0	0	3,352
Total for Steelfab Of Virginia Inc		8	0	9	0	0	9	0	1	0	0 0	0	3,352
Total for Above County: (2 records	s)	9	255	264	0	0	264	0		0	0 0	0	3,404
HALIFAX	CLOVER PO	WER STA	TION				Ï	4091 CL	OVER RD			NAICS Code	e 221112
DIOXIN AND DIOXIN-LIKE COMPO) N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	5	5	0	10	7,765	0)	0	0 0	0	0
MERCURY COMPOUNDS	N	0	1	1	0	1	96	0)	0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	U N	0	1	1	0	0	1	0)	0	0 0	0	0
Total for Clover Power Station		0	7	7	0	11	7,862	0	,	0	0 0	0	0

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Facility County/Independent Ci	itv			On-Site						agemen		Off-Site	Fransfers
	•		fi	om Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/A	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HALIFAX	HUBER ENG	INEERED	WOODS L	LC				1000 CH	ANEY LN			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	78	78	0	0	78	0		0	0 0	0	47
Total for Huber Engineered Woods Llo	С	0	78	78	0	0	78	0		0	0 0	0	47
Total for Above County: (6 records)	0	85	85	0	11	7,940	0		0	0 0	0	47
HAMPTON (CITY)	BRANSCOM	Е-НАМРТ	ΓON					1922 W	PEMBROK	E AVE		NAICS Code	324121
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	U N	0	1	1	0	0	1	0		0	0 0	0	0
Total for Branscome-Hampton		0	1	1	0	0	1	0		0	0 0	0	0
HAMPTON (CITY)	TCS MATER	IALS HAN	MPTON 587	TH ST. REA	ADY-MIX			2510 587	TH ST			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Tcs Materials Hampton 58Th	St. Ready-	0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (4 records)	0	1	1	0	0	1	0		0	0 0	0	0
HANOVER	CONCRETE	PIPE & PI	RECAST LI	LC-ASHLA	ND PREC	AST PLAN	T	11352 VI	IRGINIA P	RECAST R	D	NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Concrete Pipe & Precast Llc-	-Ashland Pre	0	0	0	0	0	0	0		0	0 0	0	0
HANOVER	CONCRETE	PIPE & PI	RECAST LI	LC-HANOV	VER PIPE	PLANT		10350 D	ESIGN RD			NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Concrete Pipe & Precast Lic-	-Hanover Pip	0	0	0	0	0	0	0		0	0 0	0	0
HANOVER	SOUTH ATL	ANTIC GA	ALVANIZIN	NG LLC				11022 LI	EWISTOW	N RD		NAICS Code	332812
LEAD	N	19	0	19	0	1	20	0		0	0 0	0	4,278
Total for South Atlantic Galvanizing LI	c	19	0	19	0	1	20	0		0	0 0	0	4,278
Total for Above County: (3 records	·)	19	0	19	0	1	20	0		0	0 0	0	4,278

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Facility County/Independent C	City			On-Site						agemen			Transfers
Facility Name/	-		fi	rom Section	15 of Form	R	Total	fro	om Section 8	8 of Form R	Total	from Section	n 6 of Form R
Facility Name/	Addiess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HARRISONBURG (CITY)	DRIV							3160 AB	BOTT LN			NAICS Code	e 336390
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	128
Total for Driv		0	0	0	0	0	0	0) (0	0 0	0	128
Total for Above County: (1 record)		0	0	0	0	0	0	0) (0	0 0	0	128
HENRICO	ARGOS REA	DY MIX E	BRYAN PAI	RK CONCI	RETE PLA	NT		4607 RA	CRETE RE)		NAICS Code	e 327320
LEAD	N	0	0	0	0	0	0	0	•	0	0 0	0	0
Total for Argos Ready Mix Bryan Par	k Concrete PI	0	0	0	0	0	0	0) (0	0 0	0	0
HENRICO	IR ENGRAVI	ING LLC						5901 LE	WIS RD			NAICS Code	e 323111
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	2,000
Total for Ir Engraving Llc		0	0	0	0	0	0	0) (0	0 0	0	2,000
HENRICO	MECHANICS	SVILLE C	ONCRETE	LLC				4608 RA	CRETE RE)		NAICS Code	e 327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	•	0	0 0	0	0
Total for Mechanicsville Concrete Llo		0	0	0	0	0	0	0) (0	0 0	0	0
HENRICO	MECHANICS	SVILLE C	ONCRETE	LLC-AIRI	PORT PLA	NT (OAKI	LEYS LA	4481 OA	KLEYS LN	1		NAICS Code	e 327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	•	0	0 0	0	0
Total for Mechanicsville Concrete Llc	-Airport Plant	0	0	0	0	0	0	0) (0	0 0	0	0
Total for Above County: (4 records	s)	0	0	0	0	0	0	0) (0	0 0	0	2,000
HENRY	PINE PRODU	JCTS INC						315 CAR	RVER RD			NAICS Code	e 321113
LEAD	N	0	865	865	0	0	865	0)	0	0 0	0	0
Total for Pine Products Inc		0	865	865	0	0	865	0) (0	0 0	0	0
HENRY	VIRGINIA M	IIRROR C	O INC					300 S M	OSS ST			NAICS Code	e 327215
LEAD COMPOUNDS	N	0	1	1	0	0	1	0)	0	0 0	25	126
Total for Virginia Mirror Co Inc		0	1	1	0	0	1	0) (0	0 0	25	126
Total for Above County: (2 records	s)	0	866	866	0	0	866	0) (0	0 0	25	126

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Facility County/Independent Cit	y			On-Site on Section					Site Man				Transfers
Facility Name/A	ddress		11	om Section	1501 FORM	K	Total	Iro	om Section 8	oi Form K	Total	from Section	6 of Form R
Tuelley Tuller I	uui ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air	Air	Air	Land	Water	Releases	Recovery		Treatment	Management		Transfers **
HODEWELL (OLTY)		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HOPEWELL (CITY)	DVANSIX I	NC HOPE	WELL PLA	ANI				905 E RA	ANDOLPH	KD		NAICS Code	325199
POLYCYCLIC AROMATIC COMPOU	N	62	0	62	0	0	62	0	()	0 0	0	0
Total for Advansix Inc Hopewell Plant		62	0	62	0	0	62	0	()	0 0	0	0
HOPEWELL (CITY)	SSOCIATE	D ASPHA	LT HOPEW	ELL LLC				410 WA	TER ST			NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	()	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	5	5	0	0	5	0	()	0 0	0	0
Total for Associated Asphalt Hopewell I	_lc	0	5	5	0	0	5	0	()	0 0	0	0
HOPEWELL (CITY)	TTY POINT	ENERGY	CENTER					912 E RA	ANDOLPH	RD		NAICS Code	221112
LEAD COMPOUNDS	N	0	3	3	0	9	11	0	()	0 0	0	1
MERCURY COMPOUNDS	N	0	39	39	0	0	39	0	()	0 0	0	0
Total for City Point Energy Center		0	41	41	0	9	50	0)	0 0	0	1
HOPEWELL (CITY)	VESTROCK	CP LLC						910 IND	USTRIAL S	T		NAICS Code	322130
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	()	0 0	0	0
LEAD COMPOUNDS	N	0	13	13	0	0	13	0	()	0 0	367	995
Total for Westrock Cp Llc		0	13	13	0	0	13	0	()	0 0	367	995
Total for Above County: (7 records)		62	59	121	0	9	130	0)	0 0	367	996
ISLE OF WIGHT	NTERNATI	ONAL PAI	PER FRANI	KLIN MIL	L			34040 UI	NION CAM	P DR		NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	1	2	0	()	0 0	0	5
LEAD COMPOUNDS	N	0	31	31	0	66	97	0	()	0 0	0	806
POLYCYCLIC AROMATIC COMPOU	N	0	100	100	0	0	100	0	()	0 0	0	0
Total for International Paper Franklin M	ill	0	131	131	0	67	198	0	()	0 0	0	811
ISLE OF WIGHT S	T TISSUE I	LC						34050 UI	NION CAM	P DR		NAICS Code	322121
LEAD	N	0	1	1	0	0	1	0	()	0 0	0	514
Total for St Tissue Llc		0	1	1	0	0	1	0)	0 0	0	514
Total for Above County: (4 records)		0	132	132	0	67	199	0)	0 0	0	1,325

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Facility County/Independent C	City			On-Site					ite Man				Transfers
Facility Name/	•		fi	om Section	5 of Form	R	Total	fro	om Section 8	of Form R	Total	from Section	n 6 of Form R
racinty Ivame	ruur ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
JAMES CITY	BALL META	L BEVER	AGE CONT	CAINER CO	ORP			8935 PO	CAHONTA	S TRAIL J	AMES RIVER	NOICS Cod	e 332431
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	4
Total for Ball Metal Beverage Contain	ner Corp	0	0	0	0	0	0	0	()	0 0	0	4
JAMES CITY	BRANSCOMI	E-LEE HA	LL					9393 ME	RRIMAC	ΓRAIL		NAICS Cod	e 324121
BENZO(G,H,I)PERYLENE	N	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
POLYCYCLIC AROMATIC COMPO	U N	1	0	1	0	0	1	0	()	0 0	0	0
Total for Branscome-Lee Hall		1	0	1	0	0	1	0	()	0 0	0	0
JAMES CITY	GREYSTONE	OF VIRO	GINIA INC					7992 RIC	CHMOND F	RD		NAICS Cod	e 332813
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	2	386
Total for Greystone Of Virginia Inc		0	0	0	0	0	0	0	()	0 0	2	386
JAMES CITY	OWENS-BRO	CKWAY	GLASS CO	NTAINER	INC PLAN	NT 26		150 IND	USTRIAL I	BLVD		NAICS Cod	e 327213
LEAD COMPOUNDS	N	0	294	294	0	0	294	0	()	0 0	0	1
Total for Owens-Brockway Glass Cor	ntainer Inc Pla	0	294	294	0	0	294	0	()	0 0	0	1
Total for Above County: (6 records	s)	1	294	295	0	0	295	0	()	0 0	2	390
KING GEORGE	BIRCHWOOI	D POWER	RFACILITY	7				10900 BI	RCHWOO	D DR		NAICS Cod	e 221112
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	()	0 0	0	1,004
Total for Birchwood Power Facility		0	1	1	0	0	1	0	()	0 0	0	1,004
Total for Above County: (1 record)		0	1	1	0	0	1	0	()	0 0	0	1,004
KING WILLIAM	WESTROCK	CP, LLC						1901 MA	IN ST			NAICS Cod	e 322110
BENZO(G,H,I)PERYLENE	N	0	2	2	0	0	2	0	()	0 0	0	3
DIOXIN AND DIOXIN-LIKE COMPO	N C	0	0	0	0	0	0	0	()	0 0	0	0
LEAD COMPOUNDS	N	0	33	33	0	207	240	0	()	0 0	0	1,650
MERCURY COMPOUNDS	N	0	14	14	0	1	14	0	()	0 0	0	7
POLYCYCLIC AROMATIC COMPO	U N	0	216	216	0	0	216	0	()	0 0	0	29

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Facility County/Independent (City		(On-Site	Release	S		On-S	Site Man	agemen	t	Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fro	om Section	8 of Form R		from Section	<u>1 6 of Form R</u>
Facility Name	e/Address	.	G. 1	7 5 ()			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Westrock Cp, Llc		0	265	265	0	208	472	0		0	0 0	0	1,689
Total for Above County: (5 record	ds)	0	265	265	0	208	472	0		0	0 0	0	1,689
LEE	US PENITEN	TIARY L	EE					LEE CO	UNTY IND	US TRIAL	PARK HICK	ORMES Code	922140
LEAD COMPOUNDS	N	1	0	1	0	0	1,483	0		0	0 0	0	0
Total for Us Penitentiary Lee		1	0	1	0	0	1,483	0		0	0 0	0	0
Total for Above County: (1 record	d)	1	0	1	0	0	1,483	0		0	0 0	0	0
LOUDOUN	CHANTILLY	READY I	MIX CONC	RETE				25232 W	ILLARD R	OAD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	13
MERCURY COMPOUNDS	N	1	1	1	0	0	1	0		0	0 0	0	0
Total for Chantilly Ready Mix Concre	ete	1	1	1	0	0	1	0		0	0 0	0	13
LOUDOUN	ELECTRONI	C INSTRU	JMENTATI	ON & TEC	CHNOLOG	GY LLC		309 KEL	LYS FORI	O PLZ SE		NAICS Code	334418
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Electronic Instrumentation 8	& Technology	0	0	0	0	0	0	0		0	0 0	0	0
LOUDOUN	GEA SYSTEM	MS DBA L	LC (DBA L	LC DOWT	Y PROPE	LLERS)		114 POV	VERS CT			NAICS Code	336413
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Gea Systems Dba Llc (Dba	a Llc Dowty Pro	0	0	0	0	0	0	0		0	0 0	0	0
LOUDOUN	SUPERIOR C	CONCRET	E MATERI	ALS INC.	- DULLES			44146 W	ADE DR			NAICS Code	e 327320
LEAD	N	26	0	26	0	0	26	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	s Inc Dulles	26	0	27	0	0	27	0		0	0 0	0	0
LOUDOUN	TITAN VIRG	INIA REA	DY-MIX L	LC-LEESB	BURG PLA	NT		42105 C	OCHRAN I	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 Llo	c-Leesburg Pl	0	0	0	0	0	0	0		0	0 0	0	0
LOUDOUN	TITAN VIRG	INIA REA	DY-MIX L	LC-STERI	LING PLA	NT		22963 C	ONCRETE	PLAZA		NAICS Code	327320

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Facility County/Independent	City			On-Site					Site Man				Transfers
Facility Name	e/Address		11	om Section	1 5 01 Form	К	Total	ire	om Section 8	of Form K	Total	from Section	1 6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	(pounds)	Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	· ·		0 0		0
Total for Titan Virginia Ready-Mix L	lc-Sterling Plan	0	0	0	0	0	0	0	C)	0 0	0	0
LOUDOUN	TTM TECHN	NOLOGIES	S NA LLC					1200 SEV	VERN WAY	•		NAICS Code	334412
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	80	3,420
Total for Ttm Technologies Na Llc		0	0	0	0	0	0	0	C)	0 0	80	3,420
LOUDOUN	US DHS MT	WEATHE	R EOC					19844 BI	LUE RIDGE	MOUNTA	AIN RD	NAICS Code	922190
LEAD COMPOUNDS	N	3	0	3	0	0	3	0	()	0 0	0	1,480
Total for Us Dhs Mt Weather Eoc		3	0	3	0	0	3	0	C)	0 0	0	1,480
LOUDOUN	VIRGINIA C	ONCRETI	E CO INC-C	CHANTILL	Y			25086 TA	ANNER LN			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Co Inc-C	hantilly	0	0	0	0	0	0	0	C)	0 0	0	0
LOUDOUN	VIRGINIA C	ONCRETI	E COCHRA	N MILL				42574 CO	OCHRAN M	IILL RD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Cochran	Mill	0	0	0	0	0	0	0	C)	0 0	0	0
LOUDOUN	VIRGINIA C	ONCRETI	E DULLES 1	PLANT				44866 Ol	LD OX RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Dulles P	ant	0	0	0	0	0	0	0	C)	0 0	0	0
Total for Above County: (13 reco	rds)	30	1	31	0	0	31	0	C)	0 0	80	4,912
LYNCHBURG (CITY)	BANKER ST	EEL COM	PANY, LLO	C				1619 WY	THE RD			NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	1,109
Total for Banker Steel Company, Lle	С	0	0	0	0	0	0	0	C)	0 0	0	1,109
LYNCHBURG (CITY)	GRIFFIN PII	PE PRODU	CTS CO					10 ADAN	MS ST			NAICS Code	331511
LEAD COMPOUNDS	N	2	1,418	1,420	0	2	1,422	0	()	0 0	37	38,334
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	()	0 0	0	15

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Facility County/Independent (City			On-Site					ite Man			Off-Site	Transfers
Facility Name	•		fr	om Section	5 of Form	R	T. ()	fro	om Section 8	of Form R		from Section	n 6 of Form R
Facility Name	Audress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Griffin Pipe Products Co		2	1,419	1,421	0	2	1,423	0	()	0 0	37	38,349
LYNCHBURG (CITY)	PARKER HA	NNIFIN II	NTEGRATE	ED SEALS	DIV			3700 MA	YFLOWE	R DR		NAICS Code	e 326291
LEAD COMPOUNDS	N	0	455	455	0	0	455	0	()	0 0	0	0
Total for Parker Hannifin Integrated	Seals Div	0	455	455	0	0	455	0	()	0 0	0	0
LYNCHBURG (CITY)	WESTROCK	/ SEVEN	HILLS LLC	!				1801 CO	NCORD TU	JRNPIKE		NAICS Code	e 322121
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	1	100
Total for Westrock / Seven Hills Llc		0	0	0	0	0	0	0	()	0 0	1	100
Total for Above County: (5 record	ls)	2	1,874	1,876	0	2	1,878	0	()	0 0	38	39,558
MECKLENBURG	AMERICAN	BUILDING	GS COMPA	NY-LA CR	ROSSE			501 GOL	DEN EAG	LE DR		NAICS Code	e 332311
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	530
Total for American Buildings Compa	ny-La Crosse	0	0	0	0	0	0	0	()	0 0	0	530
MECKLENBURG	PALLET ON	E OF VIRO	GINIA					820 BOY	D ST			NAICS Code	e 321920
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	()	0 0	0	0
Total for Pallet One Of Virginia		0	2	2	0	0	2	0	()	0 0	0	0
Total for Above County: (2 record	ls)	0	2	2	0	0	2	0	()	0 0	0	530
MONTGOMERY	ALLIANT TE	ECHSYSTI	EMS OPERA	ATIONS L	LC (NEW	RIVER EN	ERGETI	RT 114 F	RADFORD	ARMY AM	MUNITION F	NAICS Code	e 325920
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	()	0 0	0	1,283
Total for Alliant Techsystems Operation	tions Llc (New	0	5	5	0	0	5	0	()	0 0	0	1,283
MONTGOMERY	BAE SYSTEM	MS, ORDN	ANCE SYS	TEMS INC	1			RADFO	RD ARMY	AMMUNIT	ION PLANT	1050ICS Code	e 325920
DIOXIN AND DIOXIN-LIKE COMP	O N	0	0	0	0	0	0	0	()	0 0	0	0
LEAD COMPOUNDS	N	1,377	84	1,461	0	54	1,515	0	()	0 0	0	0
MERCURY	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Bae Systems, Ordnance Sy	stems Inc	1,377	84	1,461	0	54	1,515	0	()	0 0	0	0
MONTGOMERY	FEDERAL M	OGUL PO	WERTRAI	N LLC.				300 IND	USTRIAL F	PARK RD S	E	NAICS Code	e 336350

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Facility County/Independent C	`itv			On-Site						agemen		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Stack Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD	N	0	15	15	0	0	15	0		0	0 0	0	1,297
Total for Federal Mogul Powertrain Ll	c.	0	15	15	0	0	15	0	(0	0 0	0	1,297
MONTGOMERY	MOOG INC.							1213 N N	MAIN ST			NAICS Code	334419
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	539
Total for Moog Inc.		0	0	0	0	0	0	0	(0	0 0	0	539
Total for Above County: (6 records	s)	1,377	103	1,481	0	54	1,534	0	(0	0 0	0	3,119
NEW KENT	TCS MATER	IALS NEV	V KENT RE	EADY-MIX	-			7480 RE	ADY MIX I	DR		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Tcs Materials New Kent Rea	ady-Mix	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
NEWPORT NEWS (CITY)	BKEP MATE	CRIALS, L	LC NEWI	PORT NEV	VS VA			801 TER	MINAL AV	VΕ		NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	U N	0	1	1	0	0	1	0		1	0 1	0	28
Total for Bkep Materials, Llc Newpo	ort News Va	0	1	1	0	0	1	0		1	0 1	0	28
NEWPORT NEWS (CITY)	HUNTINGTO	ON INGAL	LS INCOR	PORATED				4101 WA	SHINGTO	N AVE		NAICS Code	336611
LEAD	N	2	0	2	0	230	232	0		0	0 0	21	2,839
Total for Huntington Ingalls Incorpora	ited	2	0	2	0	230	232	0	(0	0 0	21	2,839
NEWPORT NEWS (CITY)	JOINT BASE	LANGLE	Y EUSTIS-	EUSTIS (JI	BLE-EUST	TIS) RANG	ES	705 WAS	SHINGTON	BLVD		NAICS Code	928110
LEAD COMPOUNDS	N	6	0	6	0	0	8,063	0		0	0 0	0	0
Total for Joint Base Langley Eustis-E	ustis (Jble-Eu	6	0	6	0	0	8,063	0	(0	0 0	0	0
NEWPORT NEWS (CITY)	TCS MATER	IALS NEV	VPORT NE	WS				700 SHII	ELDS RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Tcs Materials Newport News	S	0	0	0	0	0	0	0	(0	0 0	0	0
Total for Above County: (5 records	s)	8	1	9	0	230	8,296	0		1	0 1	21	2,867

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Facility County/Independent C	itv.			On-Site				On-S	Site Man	agemen	t	Off-Site	Transfers
			fi	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section	6 of Form R
Facility Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water	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)
NORFOLK (CITY)	BAE SYSTEN	,	· ·	u /	(pounus)	(pounds)	(pounds)	u /	ERKLEY A	· /	(pounus)	NAICS Code	
LEAD COMPOUNDS	N	6	0	6	0	0	6	0)	0	0 0	13	117
Total for Bae Systems Norfolk Ship F		6	0	6	0	0	6	0)	0	0 0	13	117
NORFOLK (CITY)	BRANSCOM	E INC-NO	RFOLK W	ESTMINST	ΓER			3425 WE	ESTMINST	ER AVE		NAICS Code	324121
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 COMPO	OU N	1	0	1	0	0	1	0)	0	0 0	0	0
Total for Branscome Inc-Norfolk Wes	stminster	1	0	1	0	0	1	0)	0	0 0	0	0
NORFOLK (CITY)	TITAN VIRG	INIA REA	DY-MIX L	LC-CAMP	OSTELLA	PLANT		2125 KI	MBALL TE	ERRACE		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Titan Virginia Ready-Mix Llo	-Campostella	0	0	0	0	0	0	0)	0	0 0	0	0
NORFOLK (CITY)	US GYPSUM	CO						1424 S M	IAIN ST			NAICS Code	327420
LEAD COMPOUNDS	N	0	1	1	0	0	1	0)	0	0 0	0	0
MERCURY COMPOUNDS	N	0	76	76	0	0	76	0)	0	0 0	0	0
Total for Us Gypsum Co		0	76	76	0	0	76	0)	0	0 0	0	0
NORFOLK (CITY)	US NAVY JO	INT EXPE	EDITIONAL	RY LITTLI	E CREEK	RANGE		2600 TA	RAWA CT	SUITE 100		NAICS Code	928110
LEAD	N	0	0	0	0	0	4,224	0)	0	0 0	0	0
LEAD COMPOUNDS	N	6	0	6	0	0	6	0)	0	0 0	0	0
Total for Us Navy Joint Expeditionary	/ Little Creek	6	0	6	0	0	4,230	0)	0	0 0	0	0
NORFOLK (CITY)	US NAVY NA	VAL STA	TION NOR	FOLK RA	NGE			1530 GII	LBERT ST			NAICS Code	928110
LEAD	N	5	0	5	0	0	5	0)	0	0 0	0	0
Total for Us Navy Naval Station Norf	olk Range	5	0	5	0	0	5	0)	0	0 0	0	0
Total for Above County: (10 record	ds)	18	77	94	0	0	4,318	0)	0	0 0	13	117
NOTTOWAY	ARBORTECI	H FOREST	Γ PRODUC	ΓS, INC.				500 DEA	RING AVI	ENUE		NAICS Code	321113

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Facility County/Independent Ci	itv			On-Site				On-S	ite Man	agemen	t	Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fro	m Section 8	of Form R		from Section	6 of Form R
Facility Name/A	Address	Fugitive	Stools	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD COMPOUNDS	N	0	13	13	0	0	28	0	()	0 0	0	0
Total for Arbortech Forest Products, In	nc.	0	13	13	0	0	28	0	C)	0 0	0	0
NOTTOWAY	US ARMY NA	ATIONAL	GUARD FO	ORT PICK	ETT (RAN	GES)		US PFO	BUILDING	316 FORT	PICKETT	NAICS Code	928110
LEAD	N	0	0	0	0	0	44,675	0	()	0 0	0	0
LEAD COMPOUNDS	N	119	0	119	0	0	119	0	()	0 0	0	0
Total for Us Army National Guard Fort	t Pickett (Ra	119	0	119	0	0	44,794	0	C)	0 0	0	0
Total for Above County: (3 records)	119	13	132	0	0	44,822	0	C)	0 0	0	0
PATRICK	MICROMET	RICS SYS	TEM					225 JEB	STUART H	IWY		NAICS Code	332710
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Micrometrics System		0	0	0	0	0	0	0	C)	0 0	0	0
Total for Above County: (1 record)		0	0	0	0	0	0	0	C)	0 0	0	0
PETERSBURG (CITY)	PRE CON, IN	C.						321 BRO	WN ST			NAICS Code	313320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Pre Con, Inc.		0	0	0	0	0	0	0	C)	0 0	0	0
Total for Above County: (1 record)		0	0	0	0	0	0	0	C)	0 0	0	0
PITTSYLVANIA	BLUE RIDGE	E FIBERB	OARD					250 CEL	OTEX DR			NAICS Code	321219
POLYCYCLIC AROMATIC COMPOU	J N	17	0	17	0	0	17	0	()	0 0	0	0
Total for Blue Ridge Fiberboard		17	0	17	0	0	17	0	C)	0 0	0	0
PITTSYLVANIA	JTI LEAF SE	RVICES (US) LLC					202 STIN	SON DRIV	E		NAICS Code	312230
LEAD COMPOUNDS	N	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	C)	0 0	0	0
PITTSYLVANIA	OWENS-BRO	CKWAY	GLASS CO	NTAINER	INC PLAN	NT 29		29 GLAS	SBLOWER	RLN		NAICS Code	327213
LEAD COMPOUNDS	N	0	243	243	0	0	243	0	()	0 0	1	1
Total for Owens-Brockway Glass Con-	tainer Inc Pla	0	243	243	0	0	243	0	C)	0 0	1	1
Total for Above County: (3 records)	17	243	260	0	0	260	0	C)	0 0	1	1

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Facility County/Independen	t City				Releases				Site Man				Transfers
Facility Nar	•		fi	rom Section	n 5 of Form	R	Total	fro	om Section 8	of Form R	Total	from Section	1 6 of Form R
racinty Ivai	ne/Address	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management	POTW (pounds)	Transfers ** (pounds)
PORTSMOUTH (CITY)	TITAN VIRG	(1	DY-MIX L	u /	ď ,	<u> </u>	<i>y</i>	101 CHA	AUTAUQUA	AVE	u /	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-Port Norfolk	0	0	0	0	0	0	0	()	0 0	0	0
PORTSMOUTH (CITY)	U.S. NAVY N	ORFOLK	NAVAL SE	HIPYARD				INTERS	ECTION O	F EFFINGI	HAM ST & GI	ORICS Code	928110
LEAD	N	2	3	6	0	0	6	0)	0	0 0	0	1,167,471
Total for U.S. Navy Norfolk Naval	Shipyard	2	3	6	0	0	6	0	()	0 0	0	1,167,471
PORTSMOUTH (CITY)	US COAST G	GUARD BA	SE PORTS	MOUTH				4000 CO	AST GUAF	RD BLVD		NAICS Code	928110
LEAD	N	9	0	9	0	5	14	0) (0	0 0	0	6,363
Total for Us Coast Guard Base Po	ortsmouth	9	0	9	0	5	14	0	()	0 0	0	6,363
Total for Above County: (3 reco	ords)	11	3	15	0	5	20	0	•)	0 0	0	1,173,834
PRINCE GEORGE	U.S. ARMY (GARRISO	N FORT LE	E VA - RA	NGES			825, 19T	H STREET	, BLDG 600)5	NAICS Code	928110
LEAD	N	0	0	0	0	0	2,404	0) (0	0 0	0	0
Total for U.S. Army Garrison Fort	Lee Va - Ranges	0	0	0	0	0	2,404	0	•)	0 0	0	0
Total for Above County: (1 reco	ord)	0	0	0	0	0	2,404	0	•)	0 0	0	0
PRINCE WILLIAM	MANASSAS	BROAD R	UN READY	MIX CO	NCRETE			9321 DE	VELOPERS	S DRIVE		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Manassas Broad Run Re	eady Mix Concret	0	0	0	0	0	0	0	•)	0 0	0	0
PRINCE WILLIAM	POSSUM PO	INT POW	ER STATIO	ON				19000 PC	OSSUM PO	INT RD		NAICS Code	221112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0) (0	0 0	0	0
POLYCYCLIC AROMATIC COM	IPOU N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Possum Point Power Sta	ation	0	0	0	0	0	0	0	•)	0 0	0	0
PRINCE WILLIAM	SAFETY-KL	EEN SYST	TEMS MAN	ASSAS (M	IAN)			11520 BA	ALLS FOR	D RD		NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	303
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	844
												I .	

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Facility County/Independent	City			On-Site						agemen			Transfers
Facility Nam	•		fi	om Section	5 of Form	R	Total	fre	om Section 8	8 of Form R	Total	from Section	1 6 of Form R
racinty Ivani	ic/Address	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Onemear Prame	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
POLYCYCLIC AROMATIC COMP	POU N	0	0	0	0	0	0	0)	0	0 0	0	2,200
Total for Safety-Kleen Systems Ma	nassas (Man)	0	0	0	0	0	0	0)	0	0 0	0	3,347
PRINCE WILLIAM	TITAN VIRG	GINIA REA	ADY-MIX L	LC-DUMF	RIES PLA	NT		3454 CA	NAL 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 L	_lc-Dumfries Pla	0	0	0	0	0	0	0)	0	0 0	0	0
PRINCE WILLIAM	US MARINE	CORPS B	ASE QUAN	TICO RAN	GE COM	PLEX		3250 CA	TLIN AVE			NAICS Code	928110
LEAD COMPOUNDS	N	115	0	115	0	0	82,260	0)	0	0 0	0	0
Total for Us Marine Corps Base Qu	uantico Range C	115	0	115	0	0	82,260	0)	0	0 0	0	0
PRINCE WILLIAM	VIRGINIA C	ONCRETI	E DUMFRII	ES PLANT				217 CAN	NAL RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Dumfrie	s Plant	0	0	0	0	0	0	0)	0	0 0	0	0
PRINCE WILLIAM	VIRGINIA C	ONCRETI	E GAINESV	TLLE PLA	NT			7300 RA	IL LINE C'	Т		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Gainesv	/ille Plant	0	0	0	0	0	0	0)	0	0 0	0	0
PRINCE WILLIAM	VIRGINIA C	ONCRETI	E WOODBR	RIDGE PLA	NT			936 ANN	NAPOLIS W	VAY		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Woodbr	idge Plant	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Above County: (11 reco	ords)	115	0	115	0	0	82,260	0)	0	0 0	0	3,347
PULASKI	IMPERIAL (GROUP M.	ANUFACTU	JRING INC				4969 ST	EPP PLAC	E		NAICS Code	332322
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Imperial Group Manufactu	ıring Inc	0	0	0	0	0	0	0)	0	0 0	0	0
PULASKI	JAMES HAR	DIE BUIL	DING PRO	DUCTS PU	LASKI			1000 JA	MES HARI	DIE WAY		NAICS Code	327390
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	1,078
Total for James Hardie Building Pro	oducts Pulaski	0	0	0	0	0	0	0)	0	0 0	0	1,078

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Facility County/Independent C	City			On-Site					ite Man				Transfers
Facility Name	•		fi	rom Section	5 of Form	R	Total	fro	om Section 8	of Form R	Total	from Section	1 6 of Form R
i denity i (dine)	71441 633	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Managemen	t POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (2 records	•	0	0	0	0	0	0	0			0	0	1,078
RICHMOND	SONOCO RI	CHMOND						1850 CO	MMERCE	RD		NAICS Code	322130
LEAD	N	0	0	0	0	0	0	0	()	0	0 25	115
Total for Sonoco Richmond		0	0	0	0	0	0	0	()	0	0 25	115
Total for Above County: (1 record))	0	0	0	0	0	0	0	()	0	0 25	115
RICHMOND (CITY)	SPRUANCE	GENCO L	LC					5001 CO	MMERCE	RD		NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	O N	0	0	0	0	0	0	0	()	0	0	0
LEAD COMPOUNDS	N	0	33	33	0	2	35	0	()	0	0	15
Total for Spruance Genco Llc		0	33	33	0	2	36	0	()	0	0	15
RICHMOND (CITY)	TCS MATER	IALS RIC	HMOND PI	LANT				2100 DE	EPWATER	TERMINA	L ROAD	NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0	0	0
Total for Tcs Materials Richmond Pla	ant	0	0	0	0	0	0	0	()	0	0	0
Total for Above County: (3 records	s)	0	33	33	0	2	36	0	()	0	0	15
ROANOKE	ELBIT SYST	EMS OF A	MERICA -	NIGHT V	ISION LLC	2		7635 PL	ANTATION	RD		NAICS Code	333314
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0	0	467
Total for Elbit Systems Of America -	Night Vision L	0	0	0	0	0	0	0	()	0	0	467
ROANOKE	KOPPERS IN	NC (ROAN	OKE)					4020 KO	PPERS RD			NAICS Code	321114
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	2,754	1	0 2,75	4 0	27
POLYCYCLIC AROMATIC COMPO	OU N	2	5	7	0	0	7	0	144,304	4	8 144,31	2 0	1,426
Total for Koppers Inc (Roanoke)		2	5	7	0	0	7	0	147,058	3	8 147,06	6 0	1,453
ROANOKE	MEDECO SE	CURITY I	LOCKS INC	C.				3625 AL	LEGHENY	DR		NAICS Code	332510
LEAD	N	0	0	0	0	0	0	0	()	0	0	27,825
Total for Medeco Security Locks Inc.		0	0	0	0	0	0	0	()	0	0	27,825
ROANOKE	NEW MILLE	NNIUM B	UILDING S	SYSTEMS				100 DIU	GUIDS LAN	NE		NAICS Code	332312

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Facility County/Independent Ci	tv			On-Site					ite Mana			Off-Site Transfers		
· · ·	•		fr	om Section	5 of Form	R		fro	m Section 8	of Form R		from Section	6 of Form R	
Facility Name/A	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other	
Chanical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **	
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	
LEAD	N	0	0	0	0	0	0	0	0		0 0	0	7,698	
Total for New Millennium Building Syst	tems	0	0	0	0	0	0	0	0		0 0	0	7,698	
ROANOKE	SAFETY-KL	EEN SYST	TEMS VINT	ON (ROA)				16090 ST	EWARTSV	TLLE RD		NAICS Code	562112	
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0)	0 0	0	102	
LEAD	N	0	0	0	0	0	0	0	0)	0 0	0	285	
POLYCYCLIC AROMATIC COMPOU	J N	0	0	0	0	0	0	0	0)	0 0	0	742	
Total for Safety-Kleen Systems Vinton	(Roa)	0	0	0	0	0	0	0	0		0 0	0	1,129	
ROANOKE	YOKOHAMA	TIRE MA	ANUFACTU	RING VIE	RGINIA LL	.C		1500 IND	IANA ST			NAICS Code	326211	
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	J N	0	1	1	0	0	1	0	0)	0 0	0	4	
Total for Yokohama Tire Manufacturing	g Virginia Llc	1	1	1	0	0	1	0	0		0 0	0	8	
Total for Above County: (11 records	s)	3	5	8	0	0	8	0	147,058		8 147,066	0	38,580	
ROANOKE (CITY)	ASSOCIATE	D ASPHA	LT ROANO	KE, LLC				2677 RO	ANOKE AV	E SW		NAICS Code	424710	
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0)	0 0	0	0	
POLYCYCLIC AROMATIC COMPOU	J N	0	17	17	0	0	17	0	0)	0 0	0	0	
Total for Associated Asphalt Roanoke,	, Llc	0	17	17	0	0	17	0	0		0 0	0	0	
ROANOKE (CITY)	BOXLEY MA	TERIALS	COMPAN	Y ROANO	KE READY	MIX PLA	NT	3830 BL	U E RIDGE I	DR SW		NAICS Code	327320	
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0)	0 0	0	0	
Total for Boxley Materials Company Ro	oanoke Rea	0	2	2	0	0	2	0	0		0 0	0	0	
ROANOKE (CITY)	STEEL DYNA	AMICS IN	C ROANOR	KE BAR DI	V			102 WES	TSIDE BLV	V D		NAICS Code	331110	
LEAD COMPOUNDS	N	12	108	120	0	26	145	0	0)	0 0	0	153,204	
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0)	0 0	0	0	
Total for Steel Dynamics Inc Roanoke	Bar Div	12	108	120	0	26	146	0	0		0 0	0	153,204	
ROANOKE (CITY)	TRIVIUM PA	CKAGIN	G USA, INC					5022 HO	LLINS RD			NAICS Code	332431	

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Facility County/Independent	City			On-Site					ite Man	Off-Site Transfers			
	•		fr	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	6 of Form R
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
CI LIN		Air	Stack Air	1 0tai Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	48
Total for Trivium Packaging Usa, Ind	С	0	0	0	0	0	0	0	()	0 0	0	48
Total for Above County: (6 record	ds)	12	128	139	0	26	165	0	()	0 0	0	153,252
ROCKBRIDGE	STELLA JON	ES CORP	-GOSHEN	FACILITY				9223 MA	URY RIVE	R RD		NAICS Code	321114
BENZO(G,H,I)PERYLENE	N	1	0	1	0	0	1	0	()	0 0	0	13
POLYCYCLIC AROMATIC COMPO	OU N	24	2	26	0	1	26	0	()	0 0	0	682
Total for Stella Jones Corp-Goshen	Facility	24	2	26	0	1	27	0	()	0 0	0	695
Total for Above County: (2 record	ds)	24	2	26	0	1	27	0	()	0 0	0	695
ROCKINGHAM	SUPERIOR C	CONCRET	E INC-HAR	RRISONBU	RG			1526 CO	UNTY CLU	B RD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Superior Concrete Inc-Harr	risonburg	0	0	0	0	0	0	0	()	0 0	0	0
Total for Above County: (2 record	ds)	0	0	0	0	0	0	0	()	0 0	0	0
SALEM (CITY)	GE DRIVES &	& CONTR	OLS					1501 RO	ANOKE BI	.VD		NAICS Code	335314
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	()	0 0	0	3,800
Total for Ge Drives & Controls		0	1	1	0	0	1	0	()	0 0	0	3,800
Total for Above County: (1 record	d)	0	1	1	0	0	1	0	()	0 0	0	3,800
SPOTSYLVANIA	OLDCASTLE	PRECAS	T INC					5115 MA	SSAPONA	X CHURCI	H RD	NAICS Code	327390
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	0	40
Total for Oldcastle Precast Inc		0	0	0	0	0	0	0	()	0 0	0	40
SPOTSYLVANIA	VIRGINIA CO	ONCRETI	E SPOTSYL	VANIA PL	ANT			6110 SM	ITH STATI	ON ROAD)	NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Spotsylva	ania Plant	0	0	0	0	0	0	0	()	0 0	0	0
Total for Above County: (2 record	ds)	0	0	0	0	0	0	0	()	0 0	0	40
STAFFORD	COLONIAL (CIRCUITS	S INC.					1026 WA	RRENTON	RD		NAICS Code	334412

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Facility County/Independent	City			On-Site					Site Man	_		Off-Site Transfers	
Facility Nam	•			om Section	15 of Form	ı K	Total	tro	om Section 8	of Form R	Total	from Section	6 of Form R
racincy ream	ic/1 tuul ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Chemical France	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD	N	0	0	0	0	0	0	0	•	0	0 0	3	980
Total for Colonial Circuits Inc.		0	0	0	0	0	0	0	()	0 0	3	980
STAFFORD	FALMOUTH	READY N	MIX CONCI	RETE				301 WAI	RRENTON	ROAD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	(0	0 0	0	2
Total for Falmouth Ready Mix Cond	crete	0	0	0	0	0	0	0	()	0 0	0	2
STAFFORD	TITAN VIRG	INIA REA	ADY-MIX L	LC-STAFF	ORD PLA	NT		48 POW	ELL LN			NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix L	lc-Stafford Plan	0	0	0	0	0	0	0	()	0 0	0	0
STAFFORD	U.S. DOJ FBI	TRAININ	IG ACADE	MY				MCB-4 I	BUILDING	15-FMU		NAICS Code	921110
LEAD COMPOUNDS	N	5	0	6	0	0	6	0		0	0 0	0	132,830
Total for U.S. Doj Fbi Training Acad	demy	5	0	6	0	0	6	0	()	0 0	0	132,830
Total for Above County: (4 recor	ds)	5	0	6	0	0	6	0	()	0 0	3	133,812
VIRGINIA BEACH (CITY)	TITAN VIRG	INIA REA	ADY-MIX L	LC-OCEA	NA PLAN	Γ		160 OCE	CANA BLVI) .		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix L	₋lc-Oceana Plan	0	0	0	0	0	0	0	()	0 0	0	0
VIRGINIA BEACH (CITY)	U.S. NAVY F	LEET CO	MBAT TRA	INING CE	NTER AT	L DAM NE	CCK BAS	1912 RE	GULUS AV	E		NAICS Code	928110
LEAD	N	1	0	1	0	0	3,568	0		0	0 0	0	0
Total for U.S. Navy Fleet Combat 1	raining Center	1	0	1	0	0	3,568	0	()	0 0	0	0
VIRGINIA BEACH (CITY)	U.S. NAVY N	AVAL AII	R STATION	OCEANA	RANGE			1750 TO	MCAT BLV	V D		NAICS Code	928110
LEAD	N	12	0	12	0	0	12	0		0	0 0	0	0
Total for U.S. Navy Naval Air Station	on Oceana Ran	12	0	12	0	0	12	0	()	0 0	0	0
VIRGINIA BEACH (CITY)	US ARMY NA	ATIONAL	GUARD C	ГС САМР	PENDLET	ON (RANG	GES)	203 RED	HORSE D	RIVE		NAICS Code	928110
LEAD	N	0	0	0	0	0	391	0		0	0 0	0	0
Total for Us Army National Guard 0	Ctc Camp Pendl	0	0	0	0	0	391	0	()	0 0	0	0
												1	

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Facility County/Independent (City			On-Site I					ite Man	Off-Site Transfers from Section 6 of Form R			
Facility Name	/Address			om Section	1 5 01 F0rm	К	Total	ire	om Section 8	oi Form K	Total	from Section	
- weiney i wane	,12442	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
VIRGINIA BEACH (CITY)	US NAVY JO	INT EXPE	EDITIONAL	RY FORT S	STORY RA	NGE		300 ATL	ANTIC AV	ENUE	-	NAICS Code	e 928110
LEAD	N	0	0	0	0	0	499	0	0)	0 0	0	0
Total for Us Navy Joint Expeditionary	y Fort Story R	0	0	0	0	0	499	0	0)	0 0	0	0
Total for Above County: (5 record	s)	12	0	12	0	0	4,469	0	0)	0 0	0	0
WARREN	US CBP CAN	INE TRAI	NING FAC	ILITY FIR	ING RANG	GE #VA004	0	828 HAR	MONY HO	LLOW RD)	NAICS Cod	e 922120
LEAD	N	0	0	0	0	0	0	0	0)	0 0	0	0
Total for Us Cbp Canine Training Fa	cility Firing Ra	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
WASHINGTON	AZZ GALVA	NIZING-B	RISTOL					14781 IN	DUSTRIAL	PARK RI)	NAICS Code	e 332812
LEAD	N	0	0	0	0	0	0	0	0)	0 0	0	625
Total for Azz Galvanizing-Bristol		0	0	0	0	0	0	0	0)	0 0	0	625
WASHINGTON	COLUMBUS	MCKINN	ON CORP					22364 JE	B STUART	HWY		NAICS Code	e 333923
LEAD	N	0	0	0	0	0	0	0	C)	0 0	0	0
Total for Columbus Mckinnon Corp		0	0	0	0	0	0	0	0)	0 0	0	0
WASHINGTON	METAL CAS	TING CO						15331 IN	DUSTRIAL	PARK RO	OAD	NAICS Code	e 331523
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	C)	0 0	0	0
Total for Metal Casting Co		1	0	1	0	0	1	0	0)	0 0	0	0
WASHINGTON	MXI ENVIRO	NMENT <i>A</i>	AL SERVIC	ES, LLC				26319 Ol	LD TRAIL I	RD (ST RT	E 679)	NAICS Code	e 562111
CHLORDANE	N	0	0	0	0	0	0	0	C)	0 0	0	3
HEPTACHLOR	N	0	0	0	0	0	0	0	C)	0 0	0	100
LEAD	N	0	0	0	0	0	0	0	0)	0 0	0	39,482
MERCURY	N	0	0	0	0	0	0	0	0)	0 0	0	1,394
METHOXYCHLOR	N	0	0	0	0	0	0	0	0)	0 0	0	100
Total for Mxi Environmental Services	s, Llc	0	0	0	0	0	0	0	0)	0 0	0	41,079
Total for Above County: (8 record	s)	1	0	1	0	0	1	0	0)	0 0	0	41,704

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Facility County/Independent C			On-Site				On-Site Management					Transfers	
			fı	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section 6 of Form R	
Facility Name/	Address	Fugitive	Stools	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Stack Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
WESTMORELAND	CARRY-ON T	ΓRAILER	CORP					159 IND	USTRIAL P	ARK RD		NAICS Cod	e 336212
LEAD	N	1	0	1	0	0	1	0	()	0 0	0	47
Total for Carry-On Trailer Corp		1	0	1	0	0	1	0	()	0 0	0	47
Total for Above County: (1 record))	1	0	1	0	0	1	0	()	0 0	0	47
WISE	VIRGINIA C	ІТҮ НҮВІ	RID ENERG	Y CENTE	R			3425 RU	SSELL CRI	EEK RD		NAICS Cod	e 221112
DIOXIN AND DIOXIN-LIKE COMPO	o _N	0	3	3	0	0	3	0	()	0 0	0	0
LEAD COMPOUNDS	N	0	170	170	0	0	10,990	0	()	0 0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	133	0	()	0 0	0	0
Total for Virginia City Hybrid Energy (Center	0	173	173	0	0	11,126	0	()	0 0	0	0
Total for Above County: (3 records	s)	0	173	173	0	0	11,126	0	()	0 0	0	0
WYTHE	LONGWOOD	ELASTO	MERS INC					655 FAII	RVIEW RD			NAICS Cod	e 326291
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	()	0 0	0	140
Total for Longwood Elastomers Inc		0	1	1	0	0	1	0	()	0 0	0	140
Total for Above County: (1 record))	0	1	1	0	0	1	0	()	0 0	0	140
YORK	AFETA CAM	P PEARY	•					1100 EX	ECUTIVE I	DRIVE		NAICS Cod	e 928110
LEAD	N	56	0	56	0	0	56	0	()	0 0	0	0
Total for Afeta Camp Peary		56	0	56	0	0	56	0	()	0 0	0	0
YORK	US NAVY CH	IEATHAN	1 ANNEX B	ASE RANG	GE			108 SAN	DA AVE BI	LDG 270		NAICS Cod	e 928110
LEAD	N	0	0	0	0	0	3,334	0	()	0 0	0	0
Total for Us Navy Cheatham Annex E	Base Range	0	0	0	0	0	3,334	0	()	0 0	0	0
YORK	US NAVY YO	RKTOW	N NAVAL V	VEAPONS	STATION	BASE RA	NGE	160 MAI	N RD			NAICS Cod	e 928110
LEAD	N	20	0	20	0	0	5,045	0	()	0 0	0	0
Total for Us Navy Yorktown Naval We	eapons Statio	20	0	20	0	0	5,045	0	()	0 0	0	0
YORK YORKTOWN POWER			STATION					1600 WA	TERVIEW	RD		NAICS Cod	e 221112

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Facility County/Independent City	Facility County/Independent City		On-Site Releases							On-Site Management			
			from Section 5 of Form R							from Section 8 of Form R			
Facility Name/Address							Total				Total		Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
BENZO(G,H,I)PERYLENE	N	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
Total for Yorktown Power Station		0	0	0	0	0	0	0		0	0 0	(0
Total for Above County: (5 records)		76	0	76	0	0	8,434	0		0	0 0	0	0

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Appendix H-1 - 2019 VA TRI NAICS Code Ranking by On-Site Releases

APPENDIX H-1 - 2019 VA TRI NAICS Code Ranking by On-Site Releases

NAICS Subsector	General Type of Industry	Count	Total On- Site Release (Pounds)
325	Chemical Manufacturing	222	12,399,660
322	Paper Manufacturing	89	5,684,781
331	Primary Metal Manufacturing	54	2,219,182
221	Utilities	87	1,510,675
326	Plastics and Rubber Products Manufacturing	74	1,220,129
311	Food Manufacturing	71	1,216,598
332	Fabricated Metal Product Manufacturing	105	1,169,342
928	National Security & International Affairs	62	600,222
312	Beverage and Tobacco Product Manufacturing	11	402,601
336	Transportation Equipment Manufacturing	61	270,803
	All Other NAICS	437	697,828
327	Nonmetallic Mineral Product Manufacturing	102	208,791
321	Wood Product Manufacturing	53	170,435
337	Furniture and Related Product Manufacturing	12	134,317
323	Printing and Related Support Activities	12	70,871
334	Computer and Electronic Product Manufacturing	24	28,085
333	Machinery Manufacturing	33	22,805
335	Electrical Equipment, Appliance, and Component Manufacturing	15	15,322
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	15,004
424	Merchant Wholesalers, Nondurable Goods	107	10,490
324	Asphalt Shingle and Coating Materials Manufacturing	2	7,404
425	Wholesale Electronic Markets and Agents and Brokers	6	4,747
339	Miscellaneous Manufacturing	8	3,563
325	Medicinal and Botanical Manufacturing	3	2,710
922	Justice, Public Order, and Safety Activities	1	1,483
927	Space Research and Technology	1	691
313	Textile Mills	7	425
562	Waste Management and Remediation Services	23	341
314	Textile Product Mills	3	295
212	Mining (Except Oil and Gas)	1	28
921	Executive, Legislative, and Other General Government Support	1	6

Appendix H-1 Inventory

NAICS Subsector	General Type of Industry	Count	Total On- Site Release (Pounds)
324	Petroleum and Coal Products Manufacturing	14	5
336	Motor Vehicle Body Manufacturing	1	3
922	Other Justice, Public Order, and Safety Activities	1	3
321	Wood Container and Pallet Manufacturing	1	2
334	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	1	1
922	Police Protection	2	0
334	Electronic Computer Manufacturing	1	0

Appendix H-2 - 2019 VA TRI NAICS Code Ranking by On-Site Management

APPENDIX H-2 - 2019 VA TRI NAICS Code Ranking by On-Site Management

ATTE	NDIX H-2 - 2019 VA TRI NAICS Code Ranking	g by On-S	
NAICS	C IT OF I		Total On-Site
Subsector	General Type of Industry	Count	Treatment
	G1 : 135 A	225	(Pounds)
325	Chemical Manufacturing	222	646,519,634.93
322	Paper Manufacturing	89	43,232,777.80
311	Food Manufacturing	71	17,061,844.30
326	Plastics and Rubber Products Manufacturing	73	8,414,796.72
332	Fabricated Metal Product Manufacturing	105	6,818,877.25
221	Utilities	87	2,373,946.00
336	Transportation Equipment Manufacturing	61	1,878,949.00
321	Wood Product Manufacturing	53	1,791,447.70
334	Computer and Electronic Product Manufacturing	24	1,327,253.00
314	Textile Product Mills	3	715,113.00
	All Other NAICS	484	1771134.13
928	National Security & International Affairs	62	617,085.00
312	Beverage and Tobacco Product Manufacturing	11	351,238.00
339	Miscellaneous Manufacturing	8	347,425.40
327	Nonmetallic Mineral Product Manufacturing	102	206,555.94
337	Furniture and Related Product Manufacturing	12	99,790.00
331	Primary Metal Manufacturing	54	85,881.00
424	Merchant Wholesalers, Nondurable Goods	107	29,925.04
323	Printing and Related Support Activities	12	25,361.90
313	Textile Mills	7	5,878.15
335	Electrical Equipment, Appliance, and Component Manufacturing	15	1,993.00
324	Petroleum and Coal Products Manufacturing	14	0.70
562	Waste Management and Remediation Services	23	0.00
927	Space Research and Technology	1	0.00
922	Police Protection	2	0.00
922	Other Justice, Public Order, and Safety Activities	1	0.00
334	Electronic Computer Manufacturing	1	0.00
922	Justice, Public Order, and Safety Activities	1	0.00
324	Asphalt Shingle and Coating Materials Manufacturing	2	0.00
921	Executive, Legislative, and Other General Government Support	1	0.00
336	Motor Vehicle Body Manufacturing	1	0.00

Appendix H-2 Inventory

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
333	Machinery Manufacturing	33	0.00
212	Mining (Except Oil and Gas)	1	0.00
334	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	1	0.00
425	Wholesale Electronic Markets and Agents and Brokers	6	0.00
325	Medicinal and Botanical Manufacturing	3	0.00
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	0.00
321	Wood Container and Pallet Manufacturing	1	0.00

Appendix I-1 - 2019 VA TRI Facility Ranking by On-Site Releases

APPENDIX I-1 - 2019 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	9,230,156.44	Radford Army Ammunition Plant 4050 Peppers Ferry Rd	Radford	Montgomery	24141RDFRDPOBOX
2	Westrock Virginia Corporation (Entire)	2,565,981.42	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
3	Jewell Coke Co LP	2,126,605.84	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
4	Advansix Inc Hopewell Plant	1,257,177.00	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
5	International Paper Franklin Mill	1,193,592.27	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
6	Westrock CP, LLC	784,068.14	1901 Main St	West Point	King William	23181CHSPK19THM
7	Ball Metal Beverage Container Corp	567,000.00	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
8	Ashland Specialty Ingredients GP	537,305.00	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
9	Doswell LP	514,223.00	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
10	Perdue Agribusiness LLC- Chesapeake Va	478,620.00	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
11	Georgia-Pacific Big Island Mill	472,672.00	9363 Lee- Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
12	BWXT Nuclear Operations Group, Inc.	460,435.08	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCCKMTATH
13	Spruance Plant	458,318.00	5401 Jefferson Davis Hwy	Richmond	Chesterfield	23234DPNTSUSHIG
14	Virginia City Hybrid Energy Center	433,639.45	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
15	Westrock Cp LLC	348,889.15	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
16	Clover Power Station	346,305.61	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
17	Greif Packaging LLC	319,576.95	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
18	Philip Morris USA Park 500 Site	286,483.00	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
19	Honeywell International Colonial Heights Plant	271,881.00	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
20	Church & Dwight Co Inc	254,447.77	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
21	Celanese Acetate LLC - Celco P Lant	253,724.08	3520 Virginia Ave	Narrows	Giles	24124HCHSTRT460
22	Eastman Performance Films, LLC - Plant II	242,956.00	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
23	Perdue Farms Accomac Processing Plant	229,294.00	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
24	Chesterfield Power Station	194,422.11	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
25	Aquatic Co	179,004.00	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPOBOX
26	US Marine Corps Base Quantico Range Complex	157,248.64	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M

Doub	Essilita Nome	Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	Facilita: ID
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
27	US Army National Guard Fort Pickett (Ranges)	145,459.30	US Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
28	Pentagon Reservation	138,514.40	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
29	Mondelez Global LLC	127,453.00	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
30	Intertape Polymer Corp	82,077.00	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
31	Kinyo Virginia Inc	78,240.00	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
32	Huntington Ingalls Incorporated	75,425.90	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
33	Griffin Pipe Products Co	74,928.70	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
34	Dynax America Corp	73,528.00	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
35	Georgia-Pacific Wood Products LLC - Brookneal Osb	68,721.25	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
36	US Army Fort AP Hill Garrison (Part)	68,568.12	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
37	New Market Poultry LLC	67,800.00	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
38	Lhoist NA of Virginia Inc. Kimballton Area	67,694.35	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
39	Dupont Teijin Films	63,987.99	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
40	Virginia Marble Manufacturers Inc.	62,500.00	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
41	Huber Engineered Woods LLC	60,671.13	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRT3HW
42	Wheelabrator Abrasives Inc.	57,526.00	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
43	River Pools And Spas	57,305.00	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
44	VPGC LLC Hinton Facility	55,813.00	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
45	Tyson Farms Inc Processing Facility	55,020.00	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
46	Smithfield Fresh Meats Corp Smithfield, VA Facility	52,195.60	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
47	Virginia Marble Manufacturers Inc.	49,720.00	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
48	Tyson Farms Inc- Temperanceville	48,287.00	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
49	Molson Coors Shenandoah Brewery	47,657.00	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
50	Ingevity Virginia Corporation	46,201.02	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
51	Carry-On Trailer Corp	45,350.00	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
52	Appalachian Plastics Inc.	43,448.00	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
53	Roanoke Cement Co LLC	42,329.40	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
54	JTI Leaf Services (US) LLC	42,248.00	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
55	Strongwell Corp Bristol	42,164.00	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
56	George's Chicken LLC	40,567.00	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
57	Norcraft Companies	39,413.00	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street	Post Office City	Actual Physical County or Independent City	Facility ID
58	Kingspan Insulation LLC	39,259.00	200 Kingspan Way	Winchester	Frederick	22601MCFMPROUTE
59	Slocum Adhesives Corporation	37,134.00	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
60	Solenis LLC	36,010.45	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
61	U.S. Navy Norfolk Naval Shipyard	35,145.87	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
62	Alliant Techsystems Operations LLC (New River Energetics)	34,324.50	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
63	Cabinetworks Group - Mount Jackson Plant	32,957.00	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
64	Volvo Group North America, LLC	32,145.00	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
65	Fujifilm Wako Chemicals USA Corp	31,500.00	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
66	MICA Co Of Canada Inc	30,687.00	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
67	Bellwood Printing Plant	30,068.00	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
68	Wolverine Advanced Materials	30,053.75	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
69	The Lycra Company LLC	30,018.00	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
70	Georgia Pacific Wood Products LLC Emporia Plywood	29,255.00	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
71	Vaughan-Bassett Furniture Co. Galax	27,423.92	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
72	Valley Proteins Inc-Winchester Facility	26,893.00	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
73	Axalta Coating Systems USA LLC-Front Royal Plant	26,107.11	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
74	LSC Communications / Harrisonburg N	24,552.00	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
75	US/Navy Naval Support Activity Northwest Annex Range	24,446.00	1320 Nw Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
76	Colonna's Shipyard Inc	22,892.00	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
77	НАРСО	20,796.69	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
78	Micron Technology Inc.	20,270.00	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
79	Bassett Plant 11	20,014.74	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
80	New Millennium Building Systems	18,186.64	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
81	Anheuser-Busch LLC	16,610.00	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
82	Trivium Packaging USA, Inc	16,550.00	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
83	Akzo Nobel Coatings Inc	16,254.00	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
84	Omega Protein Corporation	16,241.00	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
85	Steelfab Of Virginia Inc.	15,215.74	1510 Reese St	Emporia	Greensville	23847STFBF1510R
86	Ball Advanced Aluminum	15,003.90	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
	Technologies Corp					
87	Cabinetworks Group - Culpeper Plant	14,498.00	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
88	Valley Proteins Inc. Linville Facility	13,681.00	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
89	Longwood Elastomers Inc.	13,658.05	655 Fairview Rd	Wytheville	Wythe	24382RQPCR655FA
90	Possum Point Power Station	13,420.17	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
91	NIBCO of Virginia Inc.	13,168.00	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
92	O'Sullivan Films Inc.	12,096.90	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
93	STIHL Inc.	11,508.00	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
94	Aleris Rolled Products Inc.	11,506.60	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
95	Merck Sharp & Dohme Corp.	10,849.00	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
96	Federal Mogul Powertrain LLC.	10,807.63	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
97	Veolia James River Plant	10,327.00	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
98	CPFilms, Inc.	10,011.00	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
99	Ennis-Flint Richmond	9,793.00	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
100	Philip Morris USA Commerce Road Site	9,603.00	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
101	Eastman Performance Films, LLC- Axton Facility	9,528.00	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
102	BAE Systems Norfolk Ship Repair	9,225.92	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
103	Strongwell Corp Highlands Div.	8,823.60	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
104	Wolverine Advanced Materials	8,241.45	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
105	Joint Base Langley Eustis- Eustis (JBLE- Eustis) Ranges	8,063.10	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
106	Danchem Technologies Inc.	8,013.50	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
107	QG Printing II Corp	7,857.27	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
108	Virginia Transformer Corp	7,641.00	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
109	Virginia Transformer Corp.	7,500.00	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
110	Onduline Na	7,404.18	4900 Ondura Dr	Fredericksburg	Spotsylvania	22401NDLNN4900O
111	Fiberglass Engineering Co	6,886.00	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
112	TTM Technologies Na LLC	6,787.00	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
113	RPS Composites Virginia, Inc.	6,670.00	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
114	Metl-Span, A Division Of NCI Group, Inc.	6,550.00	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
115	Stella Jones Corp-Goshen Facility	6,445.10	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
116	Arkema Inc.	6,145.00	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
117	Solenis LLC	6,079.00	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
118	Evolve Stone LLC	5,997.00	200 Lenoir Drive	Winchester	Frederick	2260WVLVST2LENI
119	American GFM Corp	5,977.00	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
120	South Atlantic Galvanizing LLC	5,754.29	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
121	Gordonsville Power Station	5,260.00	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
122	US Navy Yorktown Naval Weapons Station Base Range	5,044.50	160 Main Rd	Yorktown	York	2369WSNVYYRUTE2
123	US Defense Logistics Agency Defense Supply Center Richmond	4,747.00	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
124	LSC Communications / Lynchburg	4,382.40	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
125	Yokohama Tire Manufacturing Virginia LLC	4,327.10	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
126	Rexnord Industries LLC	4,270.00	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
127	US Navy Joint Expeditionary Little Creek Range	4,229.62	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T
128	Valmont- Virginia Galvanizing Inc.	4,013.00	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
129	Polynt Composites USA Inc.	4,000.50	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
130	Pilgrim's Pride Corp Broadway Facility	3,960.00	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
131	Steel Dynamics Inc. Roanoke Bar Div.	3,868.36	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
132	Koppers Inc. (Roanoke)	3,707.70	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
133	UPACO Adhesives Inc.	3,668.00	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
134	U.S. Navy Fleet Combat Training Center ATL Dam Neck Base	3,567.50	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
135	Sterilization Services Of Virginia	3,557.00	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
136	LSC Communications / Strasburg	3,526.00	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
137	General Shale Brick Inc. Plant 35 & 36	3,480.00	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
138	Davis-Frost Inc.	3,395.00	3416 Candlers Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
139	Eastman Performance Films, LLC- Plant 1	3,349.00	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
140	US Navy Cheatham Annex Base Range	3,333.60	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
141	Mar-Bal, Inc.	3,320.00	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
142	Allied Aviation Fueling Co Inc.	3,075.94	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
143	Ampac Fine Chemicals Virginia, LLC	2,709.51	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
144	U.S. Army Garrison Fort Lee Va - Ranges	2,403.90	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
145	Carpenter Co Richmond Plant	2,309.30	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
146	Spruance Genco LLC	2,154.67	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C
147	Citgo Fairfax Terminal	2,131.20	9600 Colonial Ave	Fairfax	Fairfax (City)	2203WCTGFR96CLN
148	Menzies Aviation Fueling Operations Wash Dulles International	1,873.63	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
149	Chemsolv Inc.	1,869.00	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
150	Evonik Industries	1,763.43	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
151	Howmet Castings & Services Inc.	1,578.00	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
152	Cameron Chemical Inc.	1,515.00	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
153	US Penitentiary Lee	1,483.44	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
154	US Navy Naval Station Norfolk Range	1,333.36	1530 Gilbert St	Norfolk	Norfolk (City)	23511NVLBS1530G
155	DRIV	1,330.30	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
156	RTI Martinsville Inc.	1,136.00	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
157	AZZ Galvanizing- Bristol	1,044.45	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
158	Canon Virginia Inc.	1,028.00	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
159	Virginia Concrete Shirlington Plant	1,024.07	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
160	Virginia Concrete Dulles Plant	1,002.78	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
161	Kinder Morgan Transmix Company, LLC	1,002.34	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
162	Reco Biodiesel, LLC	1,000.00	710 Hospital St	Richmond	Richmond (City)	2321WRCBDS71HSP
163	Custom Truck One Source	961.00	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E

Davida	English Name	Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	E. Mari
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
164	U.S. Amines (Portsmouth) LLC	931.00	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
165	Birchwood Power Facility	912.82	10900 Birchwood Dr	King George	King George	22547BRCHW10900
166	US Navy Defense Fuel Support Point Craney Island	889.17	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
167	Pine Products Inc.	865.00	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
168	U.S. Navy Naval Air Station Oceana Range	831.50	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
169	Hutchinson Sealing Systems Inc.	768.00	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
170	Boar's Head Provisions Co IncJarratt	750.00	2230 Wyatts Mill Rd	Jarratt	Greensville	23867BRSHD2230W
171	Manassas Broad Run Ready Mix Concrete	746.02	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D
172	U.S. NASA GSFC Wallops Flight Facility	691.43	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
173	Chaparral (Va) Inc	642.03	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
174	Virginia Concrete Edsall Road Plant	522.65	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
175	Virginia Concrete Spotsylvania Plant	519.49	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
176	Dominion Chemical Co Inc	510.00	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
177	Airgas Specialty Products Inc., Suffolk, Va	500.00	105 Dill Rd	Suffolk	Suffolk (City)	2343WRGSSP15DIL
178	Arkema Inc Franklin Plant	500.00	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
179	US Navy Joint Expeditionary Fort Story Range	498.90	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
180	Morgan Lumber Company, Inc.	484.50	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
181	Accutec Blades, Inc.	482.00	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
182	Virginia Concrete Falls Church Plant	467.04	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
183	Parker Hannifin Integrated Seals Div	455.00	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
184	Trident Americas	445.00	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
185	Pre Con Inc	425.37	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
186	Tecton Products LLC	424.00	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
187	Virginia Concrete Cochran Mill	400.17	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
188	US Army National Guard CTC Camp Pendleton (Ranges)	390.80	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
189	The Goodyear Tire & Rubber Co.	379.62	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
190	O-N Minerals (Chemstone) Winchester Lime Plant	317.24	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU

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191	Redland Brick Inc- Lawrenceville Plant	313.29	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
192	Virginia Concrete Co Inc-Chantilly	303.83	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
193	Mehler Engineered Products	295.30	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
194	Owens- Brockway Glass Container Inc Plant 26	294.01	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
195	Bear Garden Generating Station	287.00	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
196	Degesch America Inc	280.96	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
197	Southern Graphic Systems LLC	263.00	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
198	Bleachtech LLC	255.50	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
199	Newington Concrete Plant	250.45	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
200	SICPA Securink Corp	250.00	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
	MXI	(122)	26319 Old		0105	1 womey 12
201	Environmental Services, LLC	250.00	Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
202	Superior Carriers Inc	250.00	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
203	Owens- Brockway Glass Container Inc Plant 29	243.30	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
204	TCS Materials Richmond Plant	235.41	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
205	Virginia Concrete Gainesville Plant	229.58	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
206	IR Engraving LLC	222.00	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
207	ABB Enterprise Software Inc	174.00	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
208	US Navy NWSY Defense Fuel Supply Point Yorktown	104.26	Fuel Farm Rd	Yorktown	York	23690SNVYDYRKTW
209	Samuel Son & Company (USA) Inc.	98.00	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM

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Rank	Facility Name	(lbs)	Address	City	City	Facility ID
210	Hoover Treated Wood Products, Inc	88.75	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
211	Commonwealth Galvanizing	82.92	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
212	Us Gypsum Co	76.44	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
213	U.S. Dod, USAF, Joint Base Langley Eustis - Langley AFB	76.00	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
214	TMS International, LLC	70.15	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
215	Cox Wood Of Virginia	63.00	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
216	Electroplate-Rite Corp	58.00	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
217	AFETA Camp Peary	56.00	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
218	City Point Energy Center	50.24	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
219	Modine Manufacturing Co	45.75	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
220	Graham-White Manufacturing Co.	44.36	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C

Rank	Facility Nama	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
Kank	Facility Name	(IDS)	207 Laurel Hill	City	City	racinty ID
221	Daikin Applied	43.08	Rd	Verona	Augusta	24482SNYDRRT612
222	Oldcastle Precast Inc	41.40	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
223	Stella-Jones Corp	38.00	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
224	Atlantic Pole & Piling - Newsoms	30.00	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTCRTE67
225	Concrete Pipe & Precast LLC- Hanover Pipe Plant	28.88	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE
226	Kyanite Mining Corp Mullite Plant	28.40	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
227	Arbortech Forest Products, Inc.	27.80	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
228	Superior Concrete Materials Inc Dulles	26.58	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
229	Utility Trailer Manufacturing Co	25.00	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
230	American Buildings	24.26	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
	Company-La Crosse					
231	Howell Metal Co	22.00	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
232	Madison Wood Preservers Inc.	21.00	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
233	Agc Flat Glass Na Abingdon Plant	20.00	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
234	American Phoenix Inc	20.00	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
235	Bingham & Taylor	19.89	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
236	Associated Asphalt Roanoke, LLC	17.19	2677 Roanoke Ave SW	Roanoke	Roanoke (City)	24015SSCTD2677R
237	Utility Trailer Manufacturing Co	17.00	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
238	Blue Ridge Fiberboard	17.00	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
239	Associated Asphalt Bristol, LLC	15.68	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
240	Us Coast Guard Base Portsmouth	13.62	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C

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241	Metalsa Roanoke Inc.	11.72	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
242	Cargill Meat Solutions Inc	11.00	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
243	Heritage-Crystal Clean LLC - Richmond Recycling Center	10.00	2353 Lanier Rd	Rockville	Goochland	2314WHRTGC2353L
244	Sun Chemical Corp	10.00	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
245	Tempur Production USA Inc	10.00	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
246	Voestalpine High Performance Metals - South Boston Plant	10.00	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
247	Murphy-Brown LLC Waverly Feed Mill	7.29	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
248	Superior Concrete Materials Inc Lorton	6.14	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE

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249	Everbrite LLC	5.75	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
250	U.S. DOJ FBI Training Academy	5.60	Mcb-4 Building 15- Fmu	Quantico	Stafford	22135SDJFBMCB4B
251	Trelleborg Marine Systems USA, Inc.	5.00	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
252	Fisher Scientific International MTN Diagnostics Plant	5.00	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
253	Shamrock Foods Dairy Div Verona Virginia	5.00	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
254	Associated Asphalt Hopewell LLC	4.61	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
255	US Army Garrison Fort Belvoir	4.20	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA
256	Medeco Security Locks Inc	4.01	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
257	Safety-Kleen Systems Chester (Cva)	4.00	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W

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258	Safety-Kleen Systems Vinton (Roa)	4.00	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
259	Ge Drives & Controls	3.20	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R
260	Us Dhs Mt Weather Eoc	3.00	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
261	Safety-Kleen Systems Manassas (Man)	3.00	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
262	Altec Industries, Inc.	3.00	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
263	Boxley Materials Company Roanoke Ready Mix Plant	2.01	3830 Blue Ridge Dr Sw	Roanoke	Roanoke (City)	24019BXLYC383BL
264	Weidmuller	4.00	821 Southlake Blvd	Richmond	Chesterfield	2323WWDMLL821SU
265	Pallet One Of Virginia	1.80	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
266	W&W-Afco Steel LLC	1.55	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
267	Chantilly Ready Mix Concrete	1.46	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232

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268	Bkep Materials, LLC Newport News Va	1.10	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
269	Branscome- Hampton	1.04	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
270	Branscome Inc- Norfolk Westminster	1.00	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
271	Virginia Paving Alexandria Plant	1.00	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
272	Kik (Virginia) LLC	1.00	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
273	Trex - Virginia Manufacturing Operations	0.90	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
274	Intelligent Platforms, LLC	0.90	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
275	Branscome-Lee Hall	0.86	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
276	Virginia Mirror Co Inc	0.56	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
277	Metal Casting Co	0.53	15331 Industrial Park Road	Bristol	Washington	2420WMTLCS15331
278	ST Tissue LLC	0.50	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
279	Taylor & Boody Inc.	0.50	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE

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280	Amsted Rail Co	0.48	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
281	Cooper Steel	0.45	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
282	Greystone Of Virginia Inc	0.33	7992 Richmond Rd	Toano	James City	23168GRYST7992R
283	Sonoco Richmond	0.30	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
284	Westrock / Seven Hills LLC	0.27	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
285	Northrop Grumman Systems Corporation	0.25	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
286	Argos Ready Mix Bryan Park Concrete Plant	0.24	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
287	Concrete Pipe & Precast LLC- Ashland Precast Plant	0.19	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
288	Brantner & Associates Inc, Dba Te Connectivity Mog	0.16	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL

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289	US Cbp Canine Training Facility Firing Range #Va0040	0.15	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
290	Concrete Pipe & Precast LLC Chesapeake Plant	0.12	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
291	Yorktown Power Station	0.11	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
292	Oldcastle Apg Mid-Atlantic Milford, Va	0.10	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
293	Pre Con, Inc.	0.07	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
294	Titan Virginia Ready-Mix LLC-Springfield Plant	0.04	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
295	Titan Virginia Ready-Mix LLC-Centreville Plant	0.04	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
296	US Army Joint Base Myer- Henderson Hall Garrison Ops (Part)	0.03	204 Lee Ave	Fort Myer	Arlington	2221WSRMYJ24LEE

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297	Kaiser Aluminum Fabricated Products LLC	0.03	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
298	Superior Concrete Inc- Harrisonburg	0.03	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
299	Titan Virginia Ready-Mix LLC-Leesburg Plant	0.03	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
300	Mechanicsville Concrete LLC- Chesterfield Plant	0.03	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
301	Mechanicsville Concrete LLC- Airport Plant (Oakleys Lane)	0.03	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
302	Virginia Concrete Dumfries Plant	0.03	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
303	Titan Virginia Ready-Mix LLC-Sterling Plant	0.03	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
IXanx	TCS Materials	(103)	Address	City	City	racinty 1D
	Hampton 58Th	0.02	2510 58Th St	Hampton	Hampton (City)	2366WTCSMT25158
304	St. Ready-Mix	0.02	2310 30111 50	Tidiliptoli		2300 11 123130
305	TCS Materials Chester Plant	0.02	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
306	Virginia Concrete Woodbridge Plant	0.02	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
307	Titan Virginia Ready-Mix LLC- Campostella Plant	0.02	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
308	Titan Virginia Ready-Mix LLC-Oceana Plant	0.02	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
309	Virginia Concrete - Stephens City	0.02	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
310	TCS Materials New Kent Ready-Mix	0.02	7480 Ready Mix Dr	West Point	New Kent	2318WNWKNT748RE
311	TCS Materials Newport News	0.02	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE

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312	Titan Virginia Ready-Mix LLC-Stafford Plant	0.02	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
313	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0.02	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
314	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0.01	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
315	Titan Virginia Ready-Mix LLC-Dumfries Plant	0.01	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
316	Falmouth Ready Mix Concrete	0.01	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
317	James Hardie Building Products Pulaski	0.01	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
318	Oldcastle Apg Mid-Atlantic Richmond, Va	0.01	1231 Willis Rd	Richmond	Chesterfield	2323WLDCST1231W
319	TCS Materials Gloucester Ready-Mix	0.01	5248 George Washington Memorial Hwy	Gloucester	Gloucester	2306WTCSMT5248G

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320	Mechanicsville Concrete LLC	0.00	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
321	APG Mid- Atlantic - Winchester	0.00	396 Tyson Drive	Winchester	Frederick	2260WPGMDT396TY
322	Quarles Petroleum Inc. Manassas Bulk Plant	0.00	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W
323	Chemetrics Inc	0.00	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
324	GEA Systems Dba LLC (Dba LLC Dowty Propellers)	0.00	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
325	Electronic Instrumentation & Technology LLC	0.00	309 Kellys Ford Plz Se	Leesburg	Loudoun	2017WLCTRN39KEL
326	US DOD, Warrenton Training Center Station B Range	0.00	7471 Bear Wallow Road	Warrenton	Fauquier	2018WSDDSR7471B
327	US DOD, Warrenton Training Center Station A Range	0.00	8094 Shipmadilly Ln	Warrenton	Fauquier	2018WSDDWR894SH

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328	Bush Center For Intelligence (CIA)	0.00	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
329	Bren Mar	0.00	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
330	Colonial Circuits Inc.	0.00	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
331	Mapei Corp	0.00	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
332	Ruffin Creek Properties LLC	0.00	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
333	CMC Rebar	0.00	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
334	CMC Rebar Va King George	0.00	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
335	JCI Jones Chemicals Inc.	0.00	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
336	QPI Warsaw Bulk Plant	0.00	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
337	Ladysmith Combustion Turbine Station	0.00	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
338	Quarles Petroleum Inc. Winchester Bulk Plant	0.00	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
339	HP Hood LLC	0.00	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
340	Quarles Petroleum Inc. Front Royal Bulk Plant	0.00	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
341	Toray Plastics (America) Inc	0.00	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
342	Culpeper Wood Preservers	0.00	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPRROUTE
343	Quarles Petroleum Inc. Culpeper Bulk Plant	0.00	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
344	Ardent Mills, LLC	0.00	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
345	Old Dominion Electric Co-Op Marsh Run Generation Facility	0.00	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
346	Remington Power Station	0.00	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
347	US DOD, Warrenton Training Center Station C Range	0.00	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
348	Gilmer Industries Inc	0.00	560 Stone Spring Rd	Harrisonburg	Harrisonburg (City)	22801GLMRN560ST
349	George's Foods, LLC. Processing Plant	0.00	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
350	Quarles Petroleum Inc Harrisonburg Bulk Plant	0.00	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
351	George's Foods LLC Feed Mill	0.00	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
352	Pilgrim's Pride Corp Harrisonburg Feedmill	0.00	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
353	Cargill Turkey Production LLC	0.00	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT
354	Kerry Inc.	0.00	1711 N Liberty St	Harrisonburg	Harrisonburg (City)	2280WKRRYN1711N
355	VPGC LLC Broadway Feedmil	0.00	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
356	WWF Operating Co	0.00	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
357	Georges Family Farms, LLC Mt Jackson Feed Mill	0.00	560 Caverns Rd	Mount Jackson	Shenandoah	22844HLLYFSTATE

Virginia TRI Report – Summary of Data from 2019 Facility Reports (issued March 2021)

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
358	S.L. Williamson Co. Inc. Shop	0.00	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI
359	International Cold Storage	0.00	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTROUTE
360	Old Dominion Electric Co-Op Louisa Generation Facility	0.00	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
361	Amelia Lumber Co Inc	0.00	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
362	Chemtreat Inc	0.00	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
363	Tyson Farms Inc - Feed Mill	0.00	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
364	Eaton Corporation - Williamsburg Manufacturing	0.00	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
365	Johns Manville Corp Hamilton Plant	0.00	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
366	Super Radiator Coils	0.00	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
367	Industrial Chemicals Inc	0.00	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
368	Mitsubishi Chemical Composites America	0.00	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
369	Flowserve US Inc	0.00	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
370	Papco Inc	0.00	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
371	Vitesco Technologies USA LLC	0.00	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
372	Marva Maid Dairy	0.00	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
373	Papco Oil Company	0.00	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
374	Tidewater Wood Products, LLC	0.00	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
375	Catalina Cylinders Inc	0.00	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
376	Boar's Head- Petersburg	0.00	1950 Industry Place	Petersburg	Petersburg (City)	23805BRSHD195IN
377	Eternal Technology Corp	0.00	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
378	Univar USA Inc Chester Facility	0.00	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
379	Sabra Dipping Co LLC	0.00	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
380	Gemini- Farmville	0.00	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
381	Semco Duct & Acoustical Products Inc	0.00	1967 Blue Hills Dr Ne	Roanoke	Roanoke (City)	24012SMCDC1967B
382	Mennel Milling Co Of Virginia	0.00	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
383	Elbit Systems Of America - Night Vision LLC	0.00	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
384	Tread Corp	0.00	176 Eastpark Dr	Roanoke	Botetourt	24019VFPNC4520E
385	Semco Duct And Acoustical Products, Inc.	0.00	1967 Blue Hills Dr Ne	Roanoke	Roanoke (City)	2401WSMCDC1967B
386	Moog Inc.	0.00	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
387	Conn-Weld Ind Inc	0.00	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
388	Gala Industries Inc.	0.00	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
389	Prochem Inc	0.00	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT

D 1	E 114 N	Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
390	Imperial Group Manufacturing Inc	0.00	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
391	Blue Ridge Solvents & Coatings	0.00	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
392	Micrometrics System	0.00	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
393	Fleetwood Homes Of Virginia Inc 19- 2	0.00	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
394	Great Southern Wood - Va, Inc.	0.00	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
395	Lake Region Medical, Inc	0.00	200 S Yorkshire St	Salem	Roanoke	24153NBLMT200SY
396	Novozymes	0.00	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
397	Novozymes Biologicals Inc	0.00	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
398	Qualichem, Inc Plant 1	0.00	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
399	Qualichem, Inc. Plant 2	0.00	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
400	Cargill Feed & Nutrition Roanoke	0.00	1003 Walnut Ave	Vinton	Roanoke	24179STHRN1003W

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
401	Cardinal Glass	0.00	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
402	Zenith Fuel Systems LLC	0.00	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
403	Columbus Mckinnon Corp	0.00	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
404	Bondcote Corp	0.00	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
405	Abb Enterprise Software Inc	0.00	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
406	Pascor Atlantic Corp	0.00	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
407	Guardian Fabrication, LLC - Plant 2	0.00	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
408	Moog Inc.	0.00	115 Jack Guynn Dr	Galax	Galax (City)	24333LCTRT115JA
409	Webb Enterprises LLC American Mirror	0.00	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
410	Munters	0.00	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
411	Grottoes Plastics Plant	0.00	149 Grand Caverns Drive	Grottoes	Augusta	24441RYNLDCAVER
412	Mastic Home Exteriors	0.00	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
413	Flint Group Na Corp	0.00	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
414	Cerro Fabricated Products LLC	0.00	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
415	Sunlite Plastics Inc.	0.00	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
416	Westover Dairy	0.00	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
417	Flowserve Corp Lynchburg Va	0.00	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
418	Banker Steel Company, LLC	0.00	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
419	Banker Steel Company, LLC	0.00	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
420	Frito Lay Incorporated	0.00	230 Jefferson Ridge Parkway	Lynchburg	Lynchburg (City)	2450WFRTLY23JEF
421	Schrader- Bridgeport International	0.00	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
422	Blue Ridge Wood Preserving Inc.	0.00	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
423	Eit South	0.00	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA
424	Woodwick Candle	0.00	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
425	Munters Corp	0.00	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG

Appendix I-2 - 2019 VA TRI Facility Ranking by On-Site Management

APPENDIX I-2 - 2019 VA TRI FACILITY RANKING BY ON-SITE MANAGEMENT

					Actual Physical	
		Total On-Site Management		Post Office	County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
1	Honeywell International Colonial Heights Plant	314,872,417.44	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
2	Ashland Specialty Ingredients Gp	267,137,046.00	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
3	BAE Systems, Ordnance Systems Inc	40,723,003.38	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
4	Westrock Virginia Corporation (Entire)	19,995,727.00	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
5	International Paper Franklin Mill	17,611,376.00	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
6	Axalta Coating Systems USA LLC- Front Royal Plant	7,317,313.00	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
7	George's Chicken LLC	6,230,379.00	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
8	Perdue Farms Accomac Processing Plant	5,050,441.00	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
9	Westrock Cp, LLC	3,979,984.80	1901 Main St	West Point	King William	23181CHSPK19THM

		Total On-Site Management		Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
10	Advansix Inc Hopewell Plant	3,742,136.00	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
11	Ingevity Virginia Corporation	3,498,800.00	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
12	Solenis LLC	3,368,357.00	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
13	Tyson Farms Inc- Temperanceville	2,645,000.00	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
14	Cpfilms, Inc.	2,617,849.80	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
15	Wolverine Advanced Materials	2,508,594.00	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
16	Intertape Polymer Corp	2,219,218.00	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
17	Bwxt Nuclear Operations Group, Inc.	2,198,407.25	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCCKMTATH
18	Eastman Performance Films, LLC - Plant Ii	1,895,100.00	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
19	Dynax America Corp	1,654,536.00	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
20	Danchem Technologies Inc	1,634,890.00	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
21	Arkema Inc	1,364,150.00	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
Kank	Virginia City Hybrid	,	3425 Russell Creek		•	•
22	Energy Center	1,310,000.00	Rd	Saint Paul	Wise	2428WVRGNC3425R
23	Celanese Acetate LLC - Celco P Lant	1,252,360.00	3520 Virginia Ave	Narrows	Giles	24124HCHSTRT460
24	Micron Technology Inc.	1,229,400.00	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
25	Wolverine Advanced Materials	1,145,243.00	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
26	O'Sullivan Films Inc	1,075,886.92	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
27	Koppers Inc (Roanoke)	1,067,115.70	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
28	Tyson Farms Inc Processing Facility	900,000.00	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
29	Trivium Packaging USA, Inc	898,000.00	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
30	Georgia-Pacific Big Island Mill	853,300.00	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
31	Clover Power Station	824,400.00	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
32	Mehler Engineered Products	715,113.00	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
33	US Navy Defense Fuel Support Point Craney Island	613,991.00	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
34	Vpgc LLC Hinton Facility	593,001.00	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
35	Greif Packaging LLC	489,790.00	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
36	Huber Engineered Woods LLC	444,632.00	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRT3HW
37	Wwf Operating Co	413,786.40	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
38	Fujifilm Wako Chemicals USA Corp	393,600.00	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
39	Toray Plastics (America) Inc	387,329.00	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
40	Cargill Meat Solutions Inc	373,901.60	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
41	Sterilization Services Of Virginia	347,425.40	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
42	Dupont Teijin Films	338,030.91	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
43	Westrock Cp LLC	302,600.00	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
44	Merck Sharp & Dohme Corp.	280,107.00	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
45	New Market Poultry LLC	273,300.00	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD

		Total On-Site Management		Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
46	Georgia-Pacific Wood Products LLC - Brookneal Osb	266,000.00	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
47	Philip Morris USA Park 500 Site	228,330.00	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
48	Volvo Group North America, LLC	221,923.00	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
49	Reco Biodiesel, LLC	206,012.00	710 Hospital St	Richmond	Richmond (City)	2321WRCBDS71HSP
50	Eastman Performance Films, LLC-Plant 1	183,000.00	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
51	Spruance Plant	175,318.00	5401 Jefferson Davis Hwy	Richmond	Chesterfield	23234DPNTSUSHIG
52	General Shale Brick Inc Plant 35 & 36	174,654.00	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
53	Pilgrim's Pride Corp Broadway Facility	143,897.00	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
54	Hp Hood LLC	127,706.30	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
55	Birchwood Power Facility	125,932.00	10900 Birchwood Dr	King George	King George	22547BRCHW10900
56	George's Foods, LLC. Processing Plant	123,270.00	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
57	Alliant Techsystems Operations LLC (New River Energetics)	118,029.00	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
58	Spruance Genco LLC	113,614.00	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C
59	Cabinetworks Group - Mount Jackson Plant	99,790.00	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
60	Philip Morris USA Commerce Road Site	87,773.00	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
61	Sabra Dipping Co LLC	75,228.00	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
62	Shamrock Foods Dairy Div Verona Virginia	68,200.00	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
63	Canon Virginia Inc	64,215.00	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
64	Catalina Cylinders Inc	47,091.00	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
65	Cerro Fabricated Products LLC	41,464.00	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
66	Howmet Castings & Services Inc	38,790.00	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
67	U.S. Amines (Portsmouth) LLC	37,344.00	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
68	Molson Coors Shenandoah Brewery	35,135.00	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
69	Tecton Products LLC	35,109.00	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
70	The Lycra Company LLC	35,000.00	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
71	TTM Technologies Na LLC	33,638.00	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
72	Redland Brick Inc- Lawrenceville Plant	31,329.00	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
73	Lake Region Medical, Inc	27,169.00	200 S Yorkshire St	Salem	Roanoke	24153NBLMT200SY
74	Evonik Industries	25,721.20	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
75	Citgo Fairfax Terminal	18,659.00	9600 Colonial Ave	Fairfax	Fairfax (City)	2203WCTGFR96CLN
76	Qg Printing Ii Corp	17,165.90	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
77	Valley Proteins Inc Linville Facility	14,263.00	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
78	Georgia Pacific Wood Products	13,700.00	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
	LLC Emporia Plywood					
79	Marva Maid Dairy	11,206.00	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
80	Frito Lay Incorporated	10,071.00	230 Jefferson Ridge Parkway	Lynchburg	Lynchburg (City)	2450WFRTLY23JEF
81	Lsc Communications / Strasburg	8,196.00	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
82	Westover Dairy	8,194.00	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
83	Menzies Aviation Fueling Operations Wash Dulles Internationa	7,725.00	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
84	Pre Con Inc	5,878.15	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
85	Kinder Morgan Transmix Company, LLC	3,541.04	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
86	US Navy Nwsy Defense Fuel Supply Point Yorktown	2,567.00	Fuel Farm Rd	Yorktown	York	23690SNVYDYRKTW
87	Carry-On Trailer Corp	2,490.00	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
Kunk	Virginia		201 Transformer	v	•	
88	Transformer Corp	998.00	Way	Troutville	Botetourt	2417WVRGNT21TRA
89	Virginia Transformer Corp.	995.00	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
90	Aquatic Co	855.00	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPOBOX
91	U.S. Navy Naval Air Station Oceana Range	527.00	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
92	TCS Materials New Kent Ready-Mix	374.76	7480 Ready Mix Dr	West Point	New Kent	2318WNWKNT748RE
93	Grottoes Plastics Plant	239.00	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
94	Virginia Concrete - Stephens City	198.18	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
95	Strongwell Corp Bristol	140.00	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
96	Strongwell Corp Highlands Div	70.00	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
97	Bkep Materials, LLC Newport News Va	0.70	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
98	Quarles Petroleum Inc. Manassas Bulk Plant	0.00	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
99	Manassas Broad Run Ready Mix Concrete	0.00	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D
100	US Dhs Mt Weather Eoc	0.00	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
101	Chemetrics Inc	0.00	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
102	Chantilly Ready Mix Concrete	0.00	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
103	Superior Concrete Materials Inc Dulles	0.00	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
104	Virginia Concrete Co Inc-Chantilly	0.00	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
105	Virginia Concrete Gainesville Plant	0.00	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
106	Gea Systems Dba LLC (Dba LLC Dowty Propellers)	0.00	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
107	Titan Virginia Ready-Mix LLC- Sterling Plant	0.00	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
108	Electronic Instrumentation & Technology LLC	0.00	309 Kellys Ford Plz Se	Leesburg	Loudoun	2017WLCTRN39KEL

		Total On-Site Management		Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
109	Titan Virginia Ready-Mix LLC- Leesburg Plant	0.00	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
110	Virginia Concrete Cochran Mill	0.00	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
111	US DOD, Warrenton Training Center Station B Range	0.00	7471 Bear Wallow Road	Warrenton	Fauquier	2018WSDDSR7471B
112	US DOD, Warrenton Training Center Station A Range	0.00	8094 Shipmadilly Ln	Warrenton	Fauquier	2018WSDDWR894SH
113	Possum Point Power Station	0.00	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
114	Titan Virginia Ready-Mix LLC- Centreville Plant	0.00	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
115	Titan Virginia Ready-Mix LLC- Dumfries Plant	0.00	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
116	Virginia Concrete Dumfries Plant	0.00	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
117	Virginia Concrete Falls Church Plant	0.00	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
118	US Army Garrison Fort Belvoir	0.00	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
Kunk	Superior Concrete	(103)	1 Hysical Street	City	City	Tacinty 1D
	Materials Inc	0.00	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
119	Lorton	0.00	0 120 101111111111111111111111111111111	Zerren	1 4111411	2207 WSTIACO 1212
	Bush Center For	0.00	1000 Colonial Farm	3.6.7	T : 6	
120	Intelligence (Cia)	0.00	Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
	Safety-Kleen Systems Manassas	0.00	11520 Balls Ford	Manassas	Prince William	22110SFTYK11520
121	(Man)	0.00	Rd	Ivialiassas	Finice William	221103111111320
121	Newington Concrete		0444 = 1 4 = 1			
122	Plant	0.00	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
	US Marine Corps					
	Base Quantico	0.00	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
123	Range Complex					
	U.S. Doj Fbi	0.00	Mcb-4 Building 15-	Quantico	Stafford	22135SDJFBMCB4B
124	Training Academy	0.00	Fmu	Quantico	Starrord	221335D31 BIVICD4B
	Titan Virginia					
105	Ready-Mix LLC-	0.00	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
125	Springfield Plant					
126	Virginia Concrete	0.00	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
126	Edsall Road Plant	0.00	0000 D 1. W	C	F-:	22152CCDVD0000D
127	Sicpa Securink Corp	0.00	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
128	Virginia Concrete Dulles Plant	0.00	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
129	Virginia Concrete Woodbridge Plant	0.00	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
130	Allied Aviation Fueling Co Inc	0.00	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
131	Virginia Concrete Shirlington Plant	0.00	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
132	Pentagon Reservation	0.00	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
133	US Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0.00	204 Lee Ave	Fort Myer	Arlington	2221WSRMYJ24LEE
134	Virginia Paving Alexandria Plant	0.00	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
135	Bren Mar	0.00	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
136	Onduline Na	0.00	4900 Ondura Dr	Fredericksburg	Spotsylvania	22401NDLNN4900O
137	Colonial Circuits Inc.	0.00	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
138	Mapei Corp	0.00	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
139	Oldcastle Precast Inc	0.00	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
140	Ruffin Creek Properties LLC	0.00	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
141	Cmc Rebar	0.00	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
142	Falmouth Ready Mix Concrete	0.00	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
143	Titan Virginia Ready-Mix LLC- Stafford Plant	0.00	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
144	Virginia Concrete Spotsylvania Plant	0.00	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
145	US Army Fort AP Hill Garrison (Part)	0.00	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
146	Cmc Rebar Va King George	0.00	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
147	Hoover Treated Wood Products, Inc	0.00	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
148	Jci Jones Chemicals Inc.	0.00	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
149	Oldcastle Apg Mid- Atlantic Milford, Va	0.00	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
150	Omega Protein Corporation	0.00	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
151	Stella-Jones Corp	0.00	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
152	Qpi Warsaw Bulk Plant	0.00	11549 History land Hwy	Warsaw	Richmond	2257WQPWRS11549
153	River Pools And Spas	0.00	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
Kank	Ladysmith	(103)	I nysicai street	City	City	Tacinty ID
	Combustion Turbine	0.00	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
154	Station					
	Kingspan Insulation	0.00	200 Kingspan Way	Winchester	Frederick	22601MCFMPROUTE
155	LLC	0.00	200 Kingspan way	W IIICHESIEI	Predefick	22001MCTMFROUTE
	Quarles Petroleum					
1.50	Inc. Winchester Bulk	0.00	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
156	Plant		1/2/1 1 11 11			
157	Valley Proteins Inc- Winchester Facility	0.00	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
137	Apg Mid-Atlantic -					
158	Winchester	0.00	396 Tyson Drive	Winchester	Frederick	2260WPGMDT396TY
159	Trex - Virginia Manufacturing Operations	0.00	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
160	Evolve Stone LLC	0.00	200 Lenoir Drive	Winchester	Frederick	2260WVLVST2LENI
161	Trelleborg Marine Systems USA, Inc.	0.00	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
162	O-N Minerals (Chemstone) Winchester Lime Plant	0.00	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
163	Titan Virginia Ready-Mix LLC- Clear Brook Plant	0.00	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
Kank	· ·	(IDS)	r nysicai Street	City	City	Facility ID
164	Quarles Petroleum Inc. Front Royal Bulk Plant	0.00	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
165	US Cbp Canine Training Facility Firing Range #Va0040	0.00	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
166	Rps Composites Virginia, Inc.	0.00	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
167	Fisher Scientific International Mtn Diagnostics Plant	0.00	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
168	Culpeper Wood Preservers	0.00	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPRROUTE
169	Quarles Petroleum Inc. Culpeper Bulk Plant	0.00	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
170	Brantner & Associates Inc, Dba Te Connectivity Mog	0.00	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
171	Cabinetworks Group - Culpeper Plant	0.00	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
172	Bingham & Taylor	0.00	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
173	Ardent Mills, LLC	0.00	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
174	Madison Wood Preservers Inc.	0.00	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
175	Fiberglass Engineering Co	0.00	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
176	Old Dominion Electric Co-Op Marsh Run Generation Facility	0.00	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
177	Remington Power Station	0.00	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
178	US DOD, Warrenton Training Center Station C Range	0.00	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
179	Gilmer Industries Inc	0.00	560 Stone Spring Rd	Harrisonburg	Harrisonburg (City)	22801GLMRN560ST
180	Quarles Petroleum Inc Harrisonburg Bulk Plant	0.00	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
181	George's Foods LLC Feed Mill	0.00	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
182	LSC Communications / Harrisonburg N	0.00	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
183	DRIV	0.00	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
184	Pilgrim's Pride Corp Harrisonburg Feedmill	0.00	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
185	Cargill Turkey Production LLC	0.00	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT
186	Kerry Inc.	0.00	1711 N Liberty St	Harrisonburg	Harrisonburg (City)	2280WKRRYN1711N
187	Superior Concrete Inc-Harrisonburg	0.00	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
188	VPGC LLC Broadway Feedmil	0.00	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
189	Georges Family Farms, LLC Mt Jackson Feed Mill	0.00	560 Caverns Rd	Mount Jackson	Shenandoah	22844HLLYFSTATE
190	Howell Metal Co	0.00	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
191	Intelligent Platforms, LLC	0.00	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
192	Northrop Grumman Systems Corporation	0.00	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
193	S.L. Williamson Co. Inc. Shop	0.00	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI
194	International Cold Storage	0.00	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTROUTE
195	Gordonsville Power Station	0.00	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
196	Old Dominion Electric Co-Op Louisa Generation Facility	0.00	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
197	Amelia Lumber Co Inc	0.00	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
198	Chemtreat Inc	0.00	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
199	Doswell Lp	0.00	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
200	South Atlantic Galvanizing LLC	0.00	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
201	Commonwealth Galvanizing	0.00	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
202	Concrete Pipe & Precast LLC- Hanover Pipe Plant	0.00	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE
203	Concrete Pipe & Precast LLC- Ashland Precast Plant	0.00	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
204	TCS Materials Gloucester Ready- Mix	0.00	5248 George Washington Memorial Hwy	Gloucester	Gloucester	2306WTCSMT5248G
205	Tyson Farms Inc - Feed Mill	0.00	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY

		Total On-Site Management	N I.C.	Post Office	Actual Physical County Of Independent	
Rank	Facility Name Mechanicsville	(lbs)	Physical Street	City	City	Facility ID
206	Concrete LLC- Chesterfield Plant	0.00	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
207	Bear Garden Generating Station	0.00	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
208	Heritage-Crystal Clean LLC - Richmond Recycling Center	0.00	2353 Lanier Rd	Rockville	Goochland	2314WHRTGC2353L
209	Ir Engraving LLC	0.00	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
210	Southern Graphic Systems LLC	0.00	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
211	Greystone Of Virginia Inc	0.00	7992 Richmond Rd	Toano	James City	23168GRYST7992R
212	Owens-Brockway Glass Container Inc Plant 26	0.00	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
213	Ball Metal Beverage Container Corp	0.00	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
214	Branscome-Lee Hall	0.00	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
215	Anheuser-Busch LLC	0.00	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P

		Total On-Site Management		Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
216	US Navy Cheatham Annex Base Range	0.00	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
217	Afeta Camp Peary	0.00	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
218	TCS Materials Newport News	0.00	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
219	Eaton Corporation - Williamsburg Manufacturing	0.00	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
220	Ennis-Flint Richmond	0.00	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
221	Sonoco Richmond	0.00	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
222	Johns Manville Corp Hamilton Plant	0.00	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
223	Mechanicsville Concrete LLC- Airport Plant (Oakleys Lane)	0.00	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
224	TCS Materials Richmond Plant	0.00	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
225	Argos Ready Mix Bryan Park Concrete Plant	0.00	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
226	Mondelez Global LLC	0.00	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S

		Total On-Site Management		Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
227	Upaco Adhesives Inc	0.00	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
228	Carpenter Co Richmond Plant	0.00	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
229	Super Radiator Coils	0.00	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
230	Bellwood Printing Plant	0.00	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
231	Veolia James River Plant	0.00	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
232	Industrial Chemicals Inc	0.00	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
233	Kaiser Aluminum Fabricated Products LLC	0.00	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
234	Aleris Rolled Products Inc	0.00	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
235	Oldcastle Apg Mid- Atlantic Richmond, Va	0.00	1231 Willis Rd	Richmond	Chesterfield	2323WLDCST1231W
236	Mechanicsville Concrete LLC	0.00	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
237	Weidmuller	0.00	821 Southlake Blvd	Richmond	Chesterfield	2323WWDMLL821SU
238	US Defense Logistics Agency	0.00	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
	Defense Supply Center Richmond					
239	Mitsubishi Chemical Composites America	0.00	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
240	US/Navy Naval Support Activity Northwest Annex Range	0.00	1320 Nw Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
241	Concrete Pipe & Precast LLC Chesapeake Plant	0.00	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
242	American Gfm Corp	0.00	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
243	Flowserve US Inc	0.00	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
244	Perdue Agribusiness LLC-Chesapeake Va	0.00	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
245	U.S. Nasa Gsfc Wallops Flight Facility	0.00	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
246	Smithfield Fresh Meats Corp Smithfield, Va Facility	0.00	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
247	Cameron Chemical Inc.	0.00	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
248	Airgas Specialty Products Inc., Suffolk, Va	0.00	105 Dill Rd	Suffolk	Suffolk (City)	2343WRGSSP15DIL
249	Stihl Inc	0.00	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
250	US Army National Guard Ctc Camp Pendleton (Ranges)	0.00	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
251	US Navy Joint Expeditionary Fort Story Range	0.00	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
252	Titan Virginia Ready-Mix LLC- Oceana Plant	0.00	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
253	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	0.00	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
254	Papco Inc	0.00	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
255	BAE Systems Norfolk Ship Repair	0.00	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
256	Branscome Inc- Norfolk Westminster	0.00	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
257	Titan Virginia Ready-Mix LLC- Campostella Plant	0.00	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
258	US Navy Naval Station Norfolk Range	0.00	1530 Gilbert St	Norfolk	Norfolk (City)	23511NVLBS1530G
259	US Navy Joint Expeditionary Little Creek Range	0.00	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T
260	Colonna's Shipyard Inc	0.00	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
261	US Gypsum Co	0.00	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
262	Vitesco Technologies USA LLC	0.00	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
263	Kinyo Virginia Inc	0.00	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
264	Joint Base Langley Eustis-Eustis (Jble- Eustis) Ranges	0.00	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
265	Mica Co Of Canada Inc	0.00	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE

		Total On-Site Management		Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
266	Huntington Ingalls Incorporated	0.00	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
267	Papco Oil Company	0.00	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
268	Branscome- Hampton	0.00	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
269	Tidewater Wood Products, LLC	0.00	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
270	U.S. DOD, USAF, Joint Base Langley EUStis - Langley AFB	0.00	633 Ces/Ceie 37 Sweeney Blvd	Langley AFB	Hampton (City)	23665SRFRC1CESC
271	TCS Materials Hampton 58Th St. Ready-Mix	0.00	2510 58Th St	Hampton	Hampton (City)	2366WTCSMT25158
272	Yorktown Power Station	0.00	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
273	US Navy Yorktown Naval Weapons Station Base Range	0.00	160 Main Rd	Yorktown	York	2369WSNVYYRUTE2
274	US Coast Guard Base Portsmouth	0.00	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
275	U.S. Navy Norfolk Naval Shipyard	0.00	Intersection Of Effingham St &	Portsmouth	Portsmouth (City)	23709SDDSNINTER

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
			George Washington H			
276	Titan Virginia Ready-Mix LLC- Port Norfolk Plant	0.00	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
277	U.S. Army Garrison Fort Lee Va - Ranges	0.00	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
278	Chaparral (Va) Inc	0.00	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
279	Dominion Chemical Co Inc	0.00	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
280	TMS International, LLC	0.00	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
281	Amsted Rail Co Inc	0.00	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
282	Bleachtech LLC	0.00	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
283	Boar's Head- Petersburg	0.00	1950 Industry Place	Petersburg	Petersburg (City)	23805BRSHD195IN
284	Ampac Fine Chemicals Virginia, LLC	0.00	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
285	Valmont-Virginia Galvanizing Inc	0.00	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
286	Pre Con, Inc.	0.00	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
287	US Army National Guard Fort Pickett (Ranges)	0.00	Us Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
288	Cox Wood Of Virginia	0.00	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
289	Arbortech Forest Products, Inc.	0.00	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
290	Safety-Kleen Systems Chester (Cva)	0.00	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
291	Church & Dwight Co Inc	0.00	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
292	Sun Chemical Corp	0.00	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
293	Eternal Technology Corp	0.00	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
294	Chesterfield Power Station	0.00	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
295	Trident Americas	0.00	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
296	Univar USA Inc Chester Facilit Y	0.00	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
297	Arkema Inc Franklin Plant	0.00	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S

D 1		Total On-Site Management	N. J. J.C.	Post Office	Actual Physical County Of Independent	
Rank	Facility Name	(lbs)	Physical Street	City	City	Facility ID
298	TCS Materials Chester Plant	0.00	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
299	Steelfab Of Virginia Inc	0.00	1510 Reese St	Emporia	Greensville	23847STFBF1510R
300	Solenis LLC	0.00	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
301	St Tissue LLC	0.00	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
302	City Point Energy Center	0.00	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
303	Boar's Head Provisions Co Inc- Jarratt	0.00	2230 Wyatts Mill Rd	Jarratt	Greensville	23867BRSHD2230W
304	Associated Asphalt Hopewell LLC	0.00	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
305	Atlantic Pole & Piling - Newsoms	0.00	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTCRTE67
306	Metl-Span, A Division Of Nci Group, Inc.	0.00	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
307	Murphy-Brown LLC Waverly Feed Mill	0.00	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
308	Gemini-Farmville	0.00	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
309	Pallet One Of Virginia	0.00	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
310	Kyanite Mining Corp Mullite Plant	0.00	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
311	Virginia Marble Manufacturers Inc	0.00	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
312	Virginia Marble Manufacturers Inc	0.00	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
313	American Buildings Company-La Crosse	0.00	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
314	Morgan Lumber Company, Inc.	0.00	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
315	Semco Duct & Acoustical Products Inc	0.00	1967 Blue Hills Dr Ne	Roanoke	Roanoke (City)	24012SMCDC1967B
316	Chemsolv Inc	0.00	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
317	Akzo Nobel Coatings Inc	0.00	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
318	Associated Asphalt Roanoke, LLC	0.00	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
319	Steel Dynamics Inc Roanoke Bar Div	0.00	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
320	Mennel Milling Co Of Virginia	0.00	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
321	Boxley Materials Company Roanoke Ready Mix Plant	0.00	3830 Blue Ridge Dr Sw	Roanoke	Roanoke (City)	24019BXLYC383BL
322	Elbit Systems Of America - Night Vision LLC	0.00	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
323	Metalsa Roanoke Inc.	0.00	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
324	Tread Corp	0.00	176 Eastpark Dr	Roanoke	Botetourt	24019VFPNC4520E
325	Semco Duct And Acoustical Products, Inc.	0.00	1967 Blue Hills Dr Ne	Roanoke	Roanoke (City)	2401WSMCDC1967B
326	Eastman Performance Films, LLC-Axton Facility	0.00	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
327	Federal Mogul Powertrain LLC.	0.00	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
328	Moog Inc.	0.00	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
329	Conn-Weld Ind Inc	0.00	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
330	Electroplate-Rite Corp	0.00	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
331	Mar-Bal, Inc.	0.00	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
332	Gala Industries Inc.	0.00	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
333	Prochem Inc	0.00	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT

Dauly	Earlitz Name	Total On-Site Management (lbs)	Physical Street	Post Office	Actual Physical County Of Independent	Facility ID
Rank	Facility Name	(IDS)		City	City	Facility ID
334	Altec Industries, Inc.	0.00	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
335	Imperial Group Manufacturing Inc	0.00	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
336	Blue Ridge Solvents & Coatings	0.00	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
337	Bassett Plant 11	0.00	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
338	Pine Products Inc	0.00	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
339	Virginia Mirror Co Inc	0.00	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
340	Rti Martinsville Inc	0.00	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
341	Micrometrics System	0.00	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
342	Lhoist Na Of Virginia Inc Kimballton Area 1	0.00	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
343	Fleetwood Homes Of Virginia Inc 19-2	0.00	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
344	Great Southern Wood - Va, Inc.	0.00	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
345	Ge Drives & Controls	0.00	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R
346	Graham-White Manufacturing Co.	0.00	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
347	New Millennium Building Systems	0.00	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
348	Medeco Security Locks Inc.	0.00	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
349	Yokohama Tire Manufacturing Virginia LLC	0.00	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
350	Novozymes	0.00	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
351	Novozymes Biologicals Inc	0.00	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
352	Kik (Virginia) LLC	0.00	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
353	Qualichem, Inc Plant 1	0.00	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
354	Qualichem, Inc. Plant 2	0.00	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
355	Roanoke Cement Co LLC	0.00	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
356	Safety-Kleen Systems Vinton (Roa)	0.00	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
357	Cargill Feed & Nutrition Roanoke	0.00	1003 Walnut Ave	Vinton	Roanoke	24179STHRN1003W
358	Cardinal Glass	0.00	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
359	Zenith Fuel Systems LLC	0.00	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
360	Azz Galvanizing- Bristol	0.00	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
361	W&W-Afco Steel LLC	0.00	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
362	Metal Casting Co	0.00	15331 Industrial Park Road	Bristol	Washington	2420WMTLCS15331
363	Associated Asphalt Bristol, LLC	0.00	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
364	AGC Flat Glass Na Abingdon Plant	0.00	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
365	Нарсо	0.00	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
366	Mxi Environmental Services, LLC	0.00	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
367	Columbus Mckinnon Corp	0.00	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
368	Tempur Production USA Inc	0.00	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
369	Samuel Son & Company (USA) Inc.	0.00	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
370	US Penitentiary Lee	0.00	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
371	James Hardie Building Products Pulaski	0.00	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
372	Bondcote Corp	0.00	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
373	Utility Trailer Manufacturing Co	0.00	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
374	ABB Enterprise Software Inc	0.00	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
375	Pascor Atlantic Corp	0.00	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
376	Guardian Fabrication, LLC - Plant 2	0.00	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
377	Moog Inc.	0.00	115 Jack Guynn Dr	Galax	Galax (City)	24333LCTRT115JA
378	Webb Enterprises LLC American Mirror	0.00	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
379	Vaughan-Bassett Furniture Co. Galax	0.00	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
380	Appalachian Plastics Inc.	0.00	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
381	Utility Trailer Manufacturing Co	0.00	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
382	Superior Carriers Inc	0.00	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
383	Hutchinson Sealing Systems Inc	0.00	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
384	Longwood Elastomers Inc	0.00	655 Fairview Rd	Wytheville	Wythe	24382RQPCR655FA
385	Taylor & Boody Inc.	0.00	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
386	Modine Manufacturing Co	0.00	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
387	Everbrite LLC	0.00	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
388	Munters	0.00	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
389	Stella Jones Corp- Goshen Facility	0.00	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
390	Mastic Home Exteriors	0.00	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90
391	Nibco Of Virginia Inc.	0.00	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
392	Rexnord Industries LLC	0.00	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
393	Accutec Blades, Inc.	0.00	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
394	Ball Advanced Aluminum Technologies Corp	0.00	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
395	Daikin Applied	0.00	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
396	Flint Group Na Corp	0.00	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
397	Degesch America Inc	0.00	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
398	Sunlite Plastics Inc.	0.00	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
399	Slocum Adhesives Corporation	0.00	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
400	Parker Hannifin Integrated Seals Div	0.00	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
401	Flowserve Corp Lynchburg Va	0.00	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
402	Banker Steel Company, LLC	0.00	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
403	Norcraft Companies	0.00	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
404	Griffin Pipe Products Co	0.00	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
405	Westrock / Seven Hills LLC	0.00	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
406	Davis-Frost Inc	0.00	3416 Candlers Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
407	Lsc Communications / Lynchburg	0.00	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
408	Banker Steel Company, LLC	0.00	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
409	Schrader-Bridgeport International	0.00	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
410	Blue Ridge Wood Preserving Inc.	0.00	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
411	Wheelabrator Abrasives Inc	0.00	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
412	Polynt Composites USA Inc.	0.00	920 Tightsqueeze Ind US Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
413	The Goodyear Tire & Rubber Co.	0.00	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
414	Blue Ridge Fiberboard	0.00	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
415	Jti Leaf Services (US) LLC	0.00	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
416	Eit South	0.00	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA
417	American Phoenix Inc	0.00	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
418	Custom Truck One Source	0.00	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
419	Woodwick Candle	0.00	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
420	Cooper Steel	0.00	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
421	Munters Corp	0.00	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
422	Owens-Brockway Glass Container Inc Plant 29	0.00	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
423	Voestalpine High Performance Metals - South Boston Plant	0.00	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
424	ABB Enterprise Software Inc	0.00	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
425	Jewell Coke Co Lp	0.00	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46

APPENDIX J-1 - 2019 VA TRI Jurisdiction Ranking by On-Site Releases

APPENDIX J-1 - 2019 VA TRI JURISDICTION RANKING BY ON-SITE RELEASES

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
1	Montgomery	9,313,583.77	174,435.41	9,275.00	9,129,873.36
2	Covington (City)	2,612,182.44	2,180,321.34	387,410.42	44,450.68
3	Hopewell (City)	2,145,189.43	1,873,704.63	0.00	271,484.80
4	Buchanan	2,126,605.84	2,126,605.84	0.00	0.00
5	Chesterfield	1,618,141.56	1,376,389.47	76,298.82	165,453.27
6	Isle Of Wight	1,245,788.37	1,211,795.55	0.00	33,992.82
7	King William	784,068.14	721,772.83	0.00	62,295.31
8	Halifax	586,164.74	426,489.64	156,344.00	3,331.10
9	James City	583,905.20	583,905.20	0.00	0.00
10	Hanover	575,109.28	519,947.00	0.00	55,162.28
11	Bedford	531,159.00	373,116.60	91,602.20	66,440.20
12	Campbell	529,156.33	72,073.38	3,693.37	453,389.58
13	Chesapeake (City)	509,043.12	484,597.12	24,446.00	0.00
14	Wise	433,639.45	142,179.23	291,353.00	107.22
15	Giles	321,418.43	259,208.03	726.00	61,484.40
16	Amherst	319,577.40	316,707.95	0.00	2,869.45
17	Henry	288,155.60	288,155.60	0.00	0.00
18	Accomack	278,272.43	61,122.06	644.58	216,505.79
19	Newport News (City)	193,445.12	178,630.44	8,057.30	6,757.38
20	Prince William	191,917.47	30,423.89	128,454.20	33,039.38
21	Richmond	184,796.30	184,773.00	0.00	23.30
22	Lynchburg (City)	159,708.36	159,581.89	0.00	126.47
23	Rockingham	156,523.03	42,149.03	50,636.00	63,738.00
24	Nottoway	145,550.10	132.10	145,355.00	63.00
25	Shenandoah	144,872.00	36,505.00	0.00	108,367.00
26	Pittsylvania	142,744.30	142,744.30	0.00	0.00
27	Arlington	142,614.44	141,590.47	0.00	1,023.97
28	Botetourt	126,993.12	126,973.12	0.00	20.00
29	Lunenburg	112,220.00	112,220.00	0.00	0.00

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
30	Frederick	80,329.44	53,119.44	27,210.00	0.00
31	Washington	74,401.82	74,315.17	0.69	85.96
32	Caroline	68,656.97	57.42	65,242.80	3,356.75
33	Augusta	63,271.44	33,250.87	0.00	30,020.57
34	Westmoreland	45,350.00	45,350.00	0.00	0.00
35	Greensville	45,220.75	45,220.19	0.00	0.56
36	Bristol (City)	42,179.68	42,179.68	0.00	0.00
37	Roanoke (City)	38,560.56	37,494.89	0.00	1,065.67
38	Norfolk (City)	37,758.36	32,196.63	4,223.70	1,338.03
39	Portsmouth (City)	36,979.68	36,548.52	310.00	121.16
40	Southampton	36,540.45	36,410.00	0.00	130.45
41	Pulaski	35,523.01	35,523.01	0.00	0.00
42	Roanoke	34,198.81	34,188.10	0.00	10.71
43	Warren	32,777.26	32,777.26	0.00	0.00
44	Carroll	27,423.92	27,423.92	0.00	0.00
45	Richmond (City)	23,529.72	23,217.05	0.00	312.67
46	Virginia Beach (City)	16,796.72	12,339.02	4,456.70	1.00
47	Northumberland	16,241.00	16,080.00	0.00	161.00
48	Culpeper	14,518.05	14,517.03	0.00	1.02
49	Wythe	14,426.05	14,426.05	0.00	0.00
50	Winchester (City)	12,096.90	12,096.90	0.00	0.00
51	Loudoun	10,398.50	8,691.87	0.00	1,706.63
52	Henrico	10,278.27	10,278.27	0.00	0.00
53	Prince George	8,953.90	6,550.00	2,403.90	0.00
54	York	8,538.47	180.37	8,358.10	0.00
55	Suffolk (City)	8,094.00	8,079.00	0.00	15.00
56	Spotsylvania	7,965.07	7,406.21	39.40	519.46
57	Petersburg (City)	7,913.93	3,973.93	0.00	3,940.00
58	Fauquier	6,886.00	6,886.00	0.00	0.00
59	Rockbridge	6,490.85	6,472.30	0.00	18.55

Virginia TRI Report – Summary of Data from 2019 Facility Reports (issued March 2021)

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
60	Louisa	5,260.00	5,260.00	0.00	0.00
61	Fairfax (City)	2,131.20	2,131.00	0.00	0.20
62	Hampton (City)	1,655.06	1,655.06	0.00	0.00
63	Lee	1,483.44	0.89	1,482.55	0.00
64	Harrisonburg (City)	1,330.30	1,330.30	0.00	0.00
65	Fairfax	1,033.52	260.39	0.10	773.03
66	King George	912.82	912.82	0.00	0.00
67	Dinwiddie	712.18	570.18	0.00	142.00
68	Charlotte	484.50	18.00	466.50	0.00
69	Falls Church (City)	467.04	0.01	0.00	467.03
70	Danville (City)	399.62	287.62	0.00	112.00
71	Buckingham	315.40	315.40	0.00	0.00
72	Brunswick	313.29	313.29	0.00	0.00
73	Smyth	275.00	275.00	0.00	0.00
74	Russell	98.00	74.00	0.00	24.00
75	Mecklenburg	26.06	26.04	0.00	0.02
76	Madison	21.00	0.00	0.00	21.00
77	Goochland	10.00	10.00	0.00	0.00
78	Scott	10.00	10.00	0.00	0.00
79	Colonial Heights (City)	10.00	10.00	0.00	0.00
80	Sussex	7.29	7.29	0.00	0.00
81	Buena Vista (City)	5.75	5.75	0.00	0.00
82	Stafford	5.63	5.62	0.00	0.00
83	Clarke	5.00	5.00	0.00	0.00
84	Salem (City)	3.20	0.80	0.00	2.40
85	Albemarle	1.15	1.15	0.00	0.00
86	Alexandria (City)	1.00	1.00	0.00	0.00
87	New Kent	0.02	0.02	0.00	0.00
88	Gloucester	0.01	0.01	0.00	0.00
89	Bland	0.00	0.00	0.00	0.00
90	Cumberland	0.00	0.00	0.00	0.00

Virginia TRI Report – Summary of Data from 2019 Facility Reports (issued March 2021)

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
91	Franklin	0.00	0.00	0.00	0.00
92	Galax (City)	0.00	0.00	0.00	0.00
93	Amelia	0.00	0.00	0.00	0.00
94	Patrick	0.00	0.00	0.00	0.00

APPENDIX J-2 - 2019 VA TRI Jurisdiction Ranking by On-Site Management

APPENDIX J-2 - 2019 VA TRI JURISDICTION RANKING BY ON-SITE MANAGEMENT

			T-4-1		
			Total Energy		
		Total On-Site	Recovery	Total	Total
		Management	On-Site	Recycled On-	Treated On-
Rank	County or City	(Pounds)	(Pounds)	Site (Pounds)	Site (Pounds)
1	Chesterfield	316,082,924.35	0.00	314,872,417.44	1,210,506.91
2	Hopewell (City)	271,207,503.20	1,160,820.00	268,930,147.00	1,116,536.20
3	Montgomery	44,494,869.38	0.00	31,350,981.00	13,143,888.38
4	Covington (City)	23,494,527.00	403,717.00	0.00	23,090,810.00
5	Isle Of Wight	17,611,376.00	0.00	0.00	17,611,376.00
6	Warren	7,704,642.00	0.00	7,698,296.00	6,346.00
7	Accomack	7,695,441.00	0.00	0.00	7,695,441.00
8	Shenandoah	6,611,665.00	0.00	0.00	6,611,665.00
9	Henry	5,411,062.80	715,113.00	1,741,294.80	2,954,655.00
10	Pittsylvania	5,218,258.00	0.00	4,753,158.00	465,100.00
11	King William	3,979,984.80	0.00	0.00	3,979,984.80
12	Suffolk (City)	3,368,357.00	0.00	3,192,945.00	175,412.00
13	Campbell	2,464,407.25	0.00	13,024.48	2,451,382.77
14	Rockingham	1,977,361.00	0.00	1,897.00	1,975,464.00
15	Botetourt	1,830,188.00	0.00	998.00	1,829,190.00
16	Wise	1,310,000.00	0.00	0.00	1,310,000.00
17	Halifax	1,269,887.00	0.00	0.00	1,269,887.00
18	Giles	1,252,360.00	1,012,053.00	0.00	240,307.00
19	Prince William	1,229,400.00	0.00	0.00	1,229,400.00
20	Roanoke	1,130,388.70	0.00	1,068,052.60	62,336.10
21	Winchester (City)	1,075,886.92	0.00	0.00	1,075,886.92
22	Hanover	900,000.00	0.00	0.00	900,000.00
23	Roanoke (City)	898,000.00	0.00	0.00	898,000.00
24	Bedford	853,300.00	0.00	0.00	853,300.00
25	Richmond (City)	758,365.44	0.00	206,012.00	552,353.44
26	Portsmouth (City)	651,335.00	0.00	613,991.00	37,344.00
27	Amherst	489,790.00	95,931.00	0.00	393,859.00
28	Pulaski	221,923.00	0.00	0.00	221,923.00

			Total	Ι	
			Energy		
		Total On-Site	Recovery	Total	Total
		Management	On-Site	Recycled On-	Treated On-
Rank	County or City	(Pounds)	(Pounds)	Site (Pounds)	Site (Pounds)
29	Frederick	145,070.38	0.00	198.18	144,872.20
30	Augusta	144,903.00	0.00	239.00	144,664.00
31	King George	125,932.00	0.00	0.00	125,932.00
32	Hampton (City)	85,881.00	0.00	0.00	85,881.00
33	Newport News (City)	75,421.70	0.00	64,215.70	11,206.00
34	Loudoun	41,363.00	0.00	7,725.00	33,638.00
35	Brunswick	31,329.00	0.00	0.00	31,329.00
36	Fairfax (City)	18,659.00	0.00	0.00	18,659.00
37	Lynchburg (City)	18,265.00	0.00	0.00	18,265.00
38	Greensville	13,700.00	0.00	0.00	13,700.00
39	Petersburg (City)	5,878.15	0.00	0.00	5,878.15
40	York	2,567.00	0.00	0.00	2,567.00
41	Westmoreland	2,490.00	0.00	0.00	2,490.00
42	Virginia Beach (City)	527.00	0.00	0.00	527.00
43	New Kent	374.76	0.00	374.76	0.00
44	Bristol (City)	140.00	0.00	0.00	140.00
45	Washington	70.00	0.00	0.00	70.00
46	Albemarle	0.00	0.00	0.00	0.00
47	Alexandria (City)	0.00	0.00	0.00	0.00
48	Amelia	0.00	0.00	0.00	0.00
49	Arlington	0.00	0.00	0.00	0.00
50	Bland	0.00	0.00	0.00	0.00
51	Buchanan	0.00	0.00	0.00	0.00
52	Buckingham	0.00	0.00	0.00	0.00
53	Buena Vista (City)	0.00	0.00	0.00	0.00
54	Caroline	0.00	0.00	0.00	0.00
55	Carroll	0.00	0.00	0.00	0.00
56	Charlotte	0.00	0.00	0.00	0.00

		Total On-Site Management	Total Energy Recovery On-Site	Total Recycled On-	Total Treated On-
Rank	County or City	(Pounds)	(Pounds)	Site (Pounds)	Site (Pounds)
57	Chesapeake (City)	0.00	0.00	0.00	0.00
58	Clarke	0.00	0.00	0.00	0.00
59	Colonial Heights (City)	0.00	0.00	0.00	0.00
60	Culpeper	0.00	0.00	0.00	0.00
61	Cumberland	0.00	0.00	0.00	0.00
62	Danville (City)	0.00	0.00	0.00	0.00
63	Dinwiddie	0.00	0.00	0.00	0.00
64	Fairfax	0.00	0.00	0.00	0.00
65	Falls Church (City)	0.00	0.00	0.00	0.00
66	Fauquier	0.00	0.00	0.00	0.00
67	Franklin	0.00	0.00	0.00	0.00
68	Galax (City)	0.00	0.00	0.00	0.00
69	Gloucester	0.00	0.00	0.00	0.00
70	Goochland	0.00	0.00	0.00	0.00
71	Harrisonburg (City)	0.00	0.00	0.00	0.00
72	Henrico	0.00	0.00	0.00	0.00
73	James City	0.00	0.00	0.00	0.00
74	Lee	0.00	0.00	0.00	0.00
75	Louisa	0.00	0.00	0.00	0.00
76	Lunenburg	0.00	0.00	0.00	0.00
77	Madison	0.00	0.00	0.00	0.00
78	Mecklenburg	0.00	0.00	0.00	0.00
79	Norfolk (City)	0.00	0.00	0.00	0.00
80	Northumberland	0.00	0.00	0.00	0.00
81	Nottoway	0.00	0.00	0.00	0.00
82	Patrick	0.00	0.00	0.00	0.00
83	Prince George	0.00	0.00	0.00	0.00
84	Richmond	0.00	0.00	0.00	0.00
85	Rockbridge	0.00	0.00	0.00	0.00
86	Russell	0.00	0.00	0.00	0.00

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)
87	Salem (City)	0.00	0.00	0.00	0.00
88	Scott	0.00	0.00	0.00	0.00
89	Smyth	0.00	0.00	0.00	0.00
90	Southampton	0.00	0.00	0.00	0.00
91	Spotsylvania	0.00	0.00	0.00	0.00
92	Stafford	0.00	0.00	0.00	0.00
93	Sussex	0.00	0.00	0.00	0.00
94	Wythe	0.00	0.00	0.00	0.00