

**REPORT OF THE
SECRETARY OF TRANSPORTATION, THE
SECRETARY OF PUBLIC SAFETY, THE
DEPARTMENT OF WASTE MANAGEMENT AND
THE DEPARTMENT OF EMERGENCY SERVICES TO**

**Study Transportation,
Manufacture and Storage
of "High Hazard" Solids,
Liquids, Gases, or
Compounds or Mixtures Thereof**

**TO THE GOVERNOR AND
THE GENERAL ASSEMBLY OF VIRGINIA**



SENATE DOCUMENT NO. 20

**COMMONWEALTH OF VIRGINIA
RICHMOND
1991**

EXECUTIVE SUMMARY

Hazardous materials have become an essential part of today's society as they provide a great number of benefits. However, these same materials, while making the quality of our lives better, pose a threat to the health and safety of our citizens and the quality of the environment. In accordance with the mandates of Senate Joint Resolution No. 155, introduced by Senator Charles L. Waddell and passed by the 1989 Session of the Virginia General Assembly, the Departments of Emergency Services (DES) and Waste Management (DWM) have jointly examined issues associated with the use and transportation of these hazardous materials in the Commonwealth.

These agencies limited their study effort to the 1,085 hazardous chemicals which are considered by the federal government to pose the greatest threat. Predicated upon an extensive review of data by the DWM, it was determined that at least one-third or 352 of these hazardous chemicals are used in Virginia's businesses and industries. Since these hazardous chemicals are used in Virginia, it was determined with relative accuracy that these same hazardous chemicals are also moved on Virginia's vast transportation networks. This final report provides the locations of these materials used in industry throughout the Commonwealth

The risks posed by these hazardous chemicals are significant in terms of potential human, environmental and economic impact. However, research for this study revealed that Virginia is better able to deal with the accidental release of these hazardous chemicals than most other states. The current Virginia Hazardous Materials Response Program, recognized as a potential national model, provides for training to all levels of public safety responders in a multitude of areas related to management of hazardous chemical releases. Additionally, the Commonwealth has a very effective capability to respond to these events when they occur.

During the past four years, the greatest majority (31%) of the 4,875 hazardous chemical spills or releases have occurred at Fixed Facility sites such as industrial plants. The next most prevalent (17%) location of spills and releases were on Virginia's highways. In nearly 60 percent of all highway incidents, spills and release are the result of human error, a factor not easily controlled.

The Commonwealth maintains an ability to monitor the release of these hazardous chemicals, particularly at industrial sites. This capability mandated by SARA Title III not only requires that releases be reported, but it also requires the public and private sectors to work together in planning for chemical emergencies as well as informing the citizens about the hazards posed by these materials.

The issue of designating routes to transport these hazardous chemicals throughout the Commonwealth was also examined. Development of a highway routing program for hazardous chemicals would require the dedication of legislative action, management resources and financial support (\$400,00 minimum) in order to be successful. A routing program must comply with the recently reauthorized federal Hazardous Materials Transportation Act which has been amended to include major provisions in this area. Regulations governing the establishment and management of routing programs are due to be published on or about November 16, 1991.

Establishment of routing programs in other states have yielded mixed results. In Colorado, a statewide program was used to guide shipments of hazardous chemicals along the safest routes and usually those with the best of that state's limited emergency response resources. In the case of California's more regionalized system, post implementation studies found that a routing program made a minimal impact on traffic as the majority of transporters use the safest routes as they are usually the easiest. Predicated upon the high level of capability within the Commonwealth's current emergency response and monitoring programs, the need for a statewide or regional routing system should be weighed carefully prior to undertaking any development and implementation efforts.

1989 SESSION

LD9224136

1 SENATE JOINT RESOLUTION NO. 155
2 AMENDMENT IN THE NATURE OF A SUBSTITUTE
3 (Proposed by the House Committee on Rules
4 on February 16, 1989)
5 (Patron Prior to Substitute—Senator Waddell)

6 *Requesting the Secretary of Transportation and Public Safety, the Department of Waste*
7 *Management and the Department of Emergency Services to study transportation,*
8 *manufacture and storage of "high hazard" solids, liquids, gases, or compounds or*
9 *mixtures thereof.*

10 WHEREAS, the transportation, manufacture and storage of "high hazard" solids, liquids,
11 gases, or compounds or mixtures thereof, within and through the Commonwealth provides a
12 threat to the health and safety of our citizens and our environment in the event of spills,
13 fires and related accidents; and

14 WHEREAS, these "high hazard" solids, liquids, gases, or compounds or mixtures thereof,
15 may be involved in incidents which endanger the environment and the health, safety and
16 welfare of the people of the Commonwealth; and

17 WHEREAS, there exists in Chapter 3.5 (§ 44-146.34 et seq.) of Title 44 of the Code of
18 Virginia the authority to develop hazardous materials emergency response programs; and

19 WHEREAS, under the provisions of Chapter 3.5, a program has been established and
20 there currently exist within the Commonwealth several state-sponsored regional hazardous
21 materials emergency response teams; and

22 WHEREAS, under the provisions of Chapter 3.5, a statewide hazardous materials training
23 program has been established; and

24 WHEREAS, under the provisions of Title III, Superfund Amendments and
25 Reauthorization Act (SARA), Public Law 99-499, there exists a requirement to establish a
26 Community Right-to-Know Program and local emergency planning councils; and

27 WHEREAS, current federal and state regulations direct carriers to operate vehicles
28 containing hazardous substances "over routes which do not go through or near heavily
29 populated areas, places where crowds are assembled, tunnels, narrow streets, or alleys";
30 and,

31 WHEREAS, criteria need to be developed to include population density, response
32 capability, traffic flow, and other elements in these regulations; and

33 WHEREAS, the identification of low-risk transportation routes protects the public health,
34 safety and welfare in advance of an accident and improves the efficiency of emergency
35 medical response in event of an accident; and

36 WHEREAS, the risk assessment software to project the risk probabilities of each
37 quarter-mile stretch of highway in regions for transportation of "high hazard" solids,
38 liquids, gases, or compounds or mixtures thereof, has been developed and tested; and

39 WHEREAS, the federal Environmental Protection Agency has identified 366 chemicals
40 as "high hazard" substances according to the 1986 Superfund Amendments and
41 Reauthorization Act and an additional 713 chemicals have been identified as
42 environmentally and health sensitive under the Comprehensive Environmental Response
43 Compensation and Liability Act; now, therefore, be it

44 RESOLVED by the Senate, the House of Delegates concurring, That the Secretary of
45 Transportation and Public Safety, the Department of Waste Management and the
46 Department of Emergency Services are requested to study the transportation, manufacture
47 and storage of "high hazard" solids, liquids, gases, or compounds or mixtures thereof,
48 within and through the Commonwealth. The study shall seek to identify and catalog any
49 and all hazardous substances, the transportation, manufacture and storage of which would
50 constitute a threat to Virginia's citizens and the quality of the environment. Additionally,
51 the study shall develop criteria to analyze and select a regionally coordinated system of
52 safest available routes for transporting "high hazard" solids, liquids, gases, or compounds or
53 mixtures thereof.

54 The Secretary and the Departments shall complete their work in time to jointly submit

1 their findings and recommendations to the Governor and the 1991 Session of the General
2 Assembly and provide an interim report of its progress to the 1990 Session of the General
3 Assembly as provided in the procedures of the Division of Legislative Automated Systems
4 for processing legislative documents.

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Official Use By Clerks	
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Date: _____	Date: _____
_____ Clerk of the Senate	_____ Clerk of the House of Delegates

I. INTRODUCTION:

Today's society is one that is heavily reliant on hazardous materials. From the polymers used to manufacture our office furniture to the fuels needed to sustain the operations of this country's vast transportation network, hazardous materials touch our lives every day. Even the clothing we wear is dependent upon the use of hazardous materials in the manufacturing process. To put it simply, hazardous materials make our everyday life better in many ways.

However, the everyday benefits of hazardous materials also carry risks. In order for hazardous materials to better our daily lives, they must be manufactured and stored in our jurisdictions as well as moved by our transportation networks. Thus, it can be assumed that every citizen of the nation is a risk taker because they demand the benefits from hazardous materials. It should be recognized, however, that these same citizens depend upon applicable industry and government officials to minimize these risks by ensuring that hazardous materials are manufactured, transported, and stored as safely as possible.

II. SENATE JOINT RESOLUTION 155

As mandated by Senate Joint Resolution No. 155 (SJR 155), introduced by Senator Charles L. Waddell and passed by the 1989 session of the Virginia General Assembly, the Department of Emergency Services (DES), in conjunction with the Department of Waste Management (DWM), has examined the transportation, manufacture, and storage of hazardous solids, liquids, gases, or compounds within the Commonwealth. The study has been limited to the 360 "extremely hazardous substances" defined under Section 302 of the Emergency Planning and Community Right-to-Know Act, also known as Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) as well as the 725 "hazardous substances" defined under Section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Development of these parameters for the study process was necessary to ensure that the area of study was maintained at a manageable level without compromising the quality of the final product.

The study is seeking to identify and catalog any and all previously-defined hazardous substances, the transportation, manufacture, and storage of which would constitute a threat to the health of the public and the quality of the environment within the Commonwealth. Additionally, the study is seeking to develop criteria to analyze and select a regionally-coordinated system of safest available routes for transporting these hazardous solids, liquids, gases, or compounds or mixtures. This project is being prepared under the coordinated direction and efforts of George W. Foresman of the Department of Emergency Services and Sharon Kenneally-Baxter of the Department of Waste Management, utilizing all available professional and technical expertise from both the public and private sectors.

An interim report was delivered to the Governor and the 1990 Session of the General Assembly. This report identified information which served as the basis for completion of the second phase of the study process. This information included: creation of parameters to determine which chemicals are considered to pose the greatest threat Virginia's citizens and the quality of the environment, evaluation of the Commonwealth's Hazardous Materials Training and Emergency Response Programs, evaluation of the current status of SARA Title III in Virginia and considerations regarding the development of a state-wide hazardous materials routing program.

III. METHODOLOGY:

Preparation of this study was undertaken in two phases. The first phase consisted of identifying, obtaining, and reviewing all applicable federal, state, and local government documents, records, reports, studies, and regulations which would support this study process. Additionally, relative data was solicited from appropriate private sector corporations and organizations for use in the study process. Within the purview of this first phase, deficiencies of information needed to complete the study were identified and actions for obtaining this information were instituted. This Interim Progress Report, resultant of the first phase of study, reviewed the current issues of the transportation, manufacture, and storage of hazardous materials in the Commonwealth. In addition, it provided relative discussion concerning project completion.

Within the second phase of this study, all data assembled during the first phase as well as any acquired during the second phase, was cataloged, reviewed, and analyzed and then integrated into the study. As mentioned previously, the completed study, based on the aforementioned data, has sought to identify and catalog any and all previously-defined hazardous substances, the transportation, manufacture, and storage of which would constitute a threat to the health of the public and the quality of the environment within the Commonwealth. Additionally, the study has presents the criteria needed to analyze and select a regionally-coordinated system of safest available routes for transporting previously defined, solids, liquids, gases, or compounds or mixtures thereof.

This final study document, in response to Senator Waddell's resolution, addresses three major areas of study. First, the completed study document provides a comprehensive analysis and assessment of the presence and risk posed by the 1,085 previously-defined hazardous materials to the health and safety of Virginia's citizens and the environment. Secondly, the report provides a comprehensive analysis of the current status of the Commonwealth's hazardous materials response, training, planning and release reporting programs. Within the text of the final study, the overall criteria for development of a highway hazardous materials routing program is discussed.

PHASE I ACTIVITIES:

1. Develop Criteria for Phase II completion.
2. Identify the hazard.
3. Evaluate the Commonwealth's Hazardous Materials Response Program.
4. Evaluate the Commonwealth's Hazardous Materials Training Program.
5. Evaluate the current status of SARA Title III in Virginia.
6. Evaluate the means for developing routing systems.
7. Develop an Interim Progress Report.

PHASE II ACTIVITIES:

1. Calculate actual and probable hazardous materials incidents in Virginia.
2. Determine the risks posed by hazardous materials to Virginia's citizens and the quality of our environment.
3. Recommend actions to enhance the Commonwealth's Hazardous Materials Emergency Response Program.
4. Recommend actions to enhance the Commonwealth's Hazardous Materials Training Programs.
5. Develop criteria for creation of a Hazardous Materials Routing Program in Virginia
6. Develop Final Study Report.

IDENTIFICATION OF THE HAZARD

Virginia has been fortunate to have experienced significant economic and population growth during the past decade. Much of this can be directly related to increases in the manufacturing sector. The manufacturing industry is the largest basic employer in Virginia; in 1985, some 424,300 persons were employed in over 5,600 facilities, accounting for shipments of goods totaling \$45.5 billion.

The large manufacturing presence in Virginia is certainly predicated upon the state's geographic location in relation to major markets as well as its good transportation network. The Mid-Atlantic location of Virginia provides an ideal base upon which to serve the established consumer and industrial markets in the northern and eastern urban centers as well as the expanding markets in the southeastern portion of the United States. Nearly one-half of the nation's population is located within 500 miles of Richmond. Three-fifths of the population and two-thirds of the manufacturing employment for the entire country is within a 750-mile radius of Richmond. In addition, Virginia's well-developed rail and highway transportation corridors combined with the port of Hampton Roads make movement of raw materials and finished products both rapid and cost effective.

However, with the establishment of Virginia's industrial markets and transportation centers, the amount of hazardous materials transported, manufactured, and stored within the Commonwealth will increase. As previously noted, the two lists of chemical substances that are the focus of this study are the list of "extremely hazardous substances" (EHSs) designated by Section 302 of SARA Title III and the list of "hazardous substances" designated by Section 101(14) of CERCLA. The list of extremely hazardous substances and threshold planning quantities assigned to each substance are intended to assist communities in identifying those facilities and substances of the most immediate concern for emergency planning and response. CERCLA hazardous substances are those which, when released into the environment, may present substantial danger to the public health or welfare or the environment; some hazardous wastes are also included on this list. Eighty-five chemical substances are common to both lists (see Appendix E).

At present, no agency in the Commonwealth maintains comprehensive data on the transportation, manufacture, and storage of hazardous materials. Under the mandates of SARA Title III, the

Department of Waste Management has been collecting information regarding the use in manufacturing and non-manufacturing facilities of certain chemicals, including those on the previously-noted chemical lists. However, given the recent nature of the legislation, a comprehensive data base on chemical use within the Commonwealth is not currently available from the SARA Title III program.

The Bureau of Toxic Substances, Department of Health (created under the Toxic Substances Information Act) has been collecting information on chemical use since 1976. Under the mandates of the law, the owner of each commercial establishment in the state is required to report an inventory of every chemical, regardless of the amount or type, which is used in the manufacturing process. Approximately 3,200 companies currently report to the Bureau, primarily on an annual basis.

The Bureau was asked to provide information relative to chemicals on the previously-noted lists that have been reported by manufacturers. The two lists were compared to the Bureau's computer-based chemical inventory. Based on this information, it was determined that at least 114 of the 360 SARA extremely hazardous substances and 295 of the 725 CERCLA hazardous substances had been reported by manufacturers in the state. Combining these two lists, approximately one-third or 352 of the hazardous substances that are the subject of this study were reported by Virginia facilities. (see Appendices A and B for listings of these hazardous substances by city and county).

Although this analysis provides an indication of relative usage of chemicals, it is important to note that the Bureau's chemical inventory changes daily due to continuous updates received from facilities. It is also difficult to determine the relative amounts of the chemicals present because usage is reported in ranges, some of which are extremely broad (e.g., 1,001 - 10,000 kg/yr to more than 100,000 kg/yr). In addition, the inventory does not take into consideration chemical usage by non-manufacturing.

When the Department of Waste Management is able to complete development of the comprehensive chemical data base program relative to SARA Title III, the Commonwealth will be in a position to continuously monitor which of the most dangerous chemicals are used in Virginia. In addition to providing a relatively accurate assessment of those hazardous chemicals used in the manufacturing

process, this information will provide state officials with a good indication of what materials are being transported on Virginia's highways. While there are no quantitative figures available, it is safe to assume that very few industrial sites manufacture the chemicals on-site needed to support the manufacturing process. The Department expects to complete development of this data base sometime in 1991.

Shipments of hazardous materials pass throughout the state daily. These consist of those originating at Virginia facilities bound for other in-state facilities, those originating out-of-state bound for Virginia facilities, those originating in Virginia bound for out-of-state facilities, and those passing through the state en-route from one state to another. It is reasonable to assume that chemicals reported as being either used or produced by manufacturing facilities are also being transported in the Commonwealth. Currently, there is no method to track which chemicals are only transported through the state between points of origin and destinations outside of Virginia.

VIRGINIA'S HAZARDOUS MATERIALS INCIDENT HISTORY

As previously noted, Virginia's large industrial base and quality transportation networks provide a means for hazardous materials to be manufactured, stored, and transported within the Commonwealth. For the most part, there have not been large numbers of loss of life in the state as a result of either fixed facility or transportation accidents related to hazardous materials. However, this should not be construed to say that the potential does not exist. Current training and safety standards for both the transportation and manufacturing industry will help to minimize the potential for accidents involving hazardous materials but will not totally eliminate such occurrences. Plain and simple--accidents will occur.

There was a tenfold increase in the number of reported incidents involving hazardous materials between 1983 and 1990. Much of this increase can be attributed to the enactment of federal legislation which required business and industry to report the release of hazardous chemicals into the environment. The implementation of Virginia's Hazardous Materials Emergency Response Program has increased awareness of reporting requirements, primarily due to the fact that SARA Title III staff from the Department of Waste Management have undertaken an aggressive and successful effort to educate business and industry. Certainly the number of incidents involving hazardous materials releases has increased, in real terms, since the early-1980's, but probably not at a tenfold rate. Instead, there has, in all probability, been only a moderate increase in the number of actual incidents, but compliance with reporting requirements and an increased safety awareness has caused the dramatic increase in the numbers.

It should be noted that the number of reported incidents include not only accidental releases of dangerous chemicals (ie: those being reviewed in this study) but also materials such as motor oils. However, the implementation of the SARA Title III emergency release notification requirements in 1987 has provided the base by which releases of extremely hazardous substances can be tracked. The number of Title III accidental release notifications has steadily increased since the inception of the program with 7 being reported in 1987, 27 in 1988, 37 in 1989 and 22 through November of 1990.

The following is a breakdown of total number of hazardous materials incidents reported to the Virginia Emergency Operations Center between January 1, 1987, and November 30, 1990:

	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Reported Incidents	642	1,014	1,532	1,687
On-Scene Responses*	73	136	194	271

* Represents an on-scene response by a DES State Hazardous Materials Officer, in some cases with the assistance from one of the Department's Regional Hazardous Materials Response Teams.

MODE/FACILITY:

Highway	108	206	211	307
Railroad	17	27	23	27
Fixed Facility	203	355	391	592
Marine	194	290	131	463
Other	120	136	776	298

CONTAINER:

Truck Tanker	55	86	81	70
Rail Tanker	15	21	13	18
Fixed Storage Tanks	49	117	111	177
Saddle Tanks	10	38	50	54

HAZARD CLASS

Explosives	-	4	11	7
Compressed Gas	36	61	59	53
Flammable Liquids	378	635	1,023	1,094
Flammable Solids/Combustibles	4	4	10	5
Oxidizers	8	12	12	8
Poisons/Etiological Agents	11	19	27	44
Radioactive Materials	4	6	8	10
Corrosives	4	48	69	80
Other (Miscellaneous)	155	225	313	3

RISK DETERMINATION

In the late-1970's, the National Fire Protection Association implemented the 704 marking system used to identify the relative risk posed by hazardous materials. The 704 system, as it is commonly referred to in emergency response circles, has primarily been used in fixed facilities to identify the major categories of risks posed by hazardous materials. However, these categories are applicable in determining the risks posed to the citizens and environment by hazardous materials in manufacturing, storage, and transportation. The categories are the toxicity of a material or its effect on health, the flammability of a material or its susceptibility to ignition and fire, the reactivity of a material or its effect on other materials, as well as a category for special considerations.

The July 1988 Report of the Governor's Task Force on Emergency Medical Response Disaster Planning identified hazardous materials incidents as the Commonwealth's number one disaster risk from an emergency medical standpoint. Hazardous materials come in a variety of forms such as solids, liquids, and gases--many are odorless and colorless. Some may cause serious injury or death from minimal exposure, while others are relatively harmless, unless exposure is in large amounts. However, it is abundantly clear that exposure to hazardous materials poses a great risk to the health and welfare of emergency response personnel and the general population. The Task Force report indicated that, despite the state's commitment and success in developing the Hazardous Materials Emergency Response Program to deal with mitigating hazardous material releases, the Commonwealth's emergency medical system is "woefully unprepared" to deal with the medical consequences of these type accidents.

The November 29, 1988, deaths of six fire fighters in Kansas City, Missouri, exemplify the dangers posed by hazardous materials to public safety response personnel. In this instance, fire fighters were unaware that a trailer in which they were trying to extinguish a fire contained 30,000 pounds of an Ammonium Nitrate - Kerosene mix. The resulting explosion obliterated the trailers and killed the fire fighters and left two 35-foot wide by 7-foot deep craters. Ammonium Nitrate is the same material which was blamed for one of this country's worst disasters--the 1947 ship explosion in Texas

City, Texas, which killed more than 550 people, injured at least 3,000, and did \$500 million in damage (1947 dollars).

In February 1982, the release of a highly-toxic gas at a Hanover County business resulted in the death of one employee and the permanent disability of another. Additionally, 12 volunteer rescue squad members and scores of hospital workers became sick when exposed to the material; and due to the contamination, the Medical College of Virginia emergency room was closed and quarantined for the first time in history. The material, Pentaborane, was so lethal that then Governor Charles Robb had to intercede to obtain permission from federal authorities to allow the product to be moved to Fort A. P. Hill for explosive destruction.

While the potential impact of hazardous materials releases on the population is of paramount concern, attention should be given to the effect of such a release on the environment. The November 1989 report of the Virginia Joint Committee On Spill Prevention and Response Readiness looked primarily at the effect of a major petroleum spill on the environment of Virginia. While a large petroleum spill would likely present health and fire hazards, there would more likely be a greater hazard associated with the effect on the environment. Virginia's economic base is predicated, in part, on tourists who come to enjoy the state's inland and coastal water bodies as well as the scenic countryside. In addition, our agricultural and fishing industries depend on a clean environment, particularly water, to support crop growth and maritime resources respectively. A major hazardous materials release, either on land or in the water, could certainly result in appreciable environmental as well as economic damage to the Commonwealth.

The greatest risk from hazardous materials in Virginia typically occurs when the materials are in transit, whether by highway, rail, or ship. When these materials are introduced into our transportation networks, the potential for an accident increases. When a hazardous material is located on a plant site, either in storage or during the manufacturing process, public access is typically limited. In addition, environmental conditions, equipment monitoring, and technical monitoring of the material is easier to achieve. However, when a material is moved by highway, rail, water, pipeline, and even air, the transport medium is exposed to outside factors such as other transport mechanisms, environmental conditions, a minimized ability for monitoring the material and equipment and, most importantly,

the general population. As a result, the increase in the number of unknown accident potentials causes a corresponding increase in the risk.

The most prevalent of these transport mediums is the trucking industry. In 1988, the Virginia State Police reported that nearly 75 percent of the 13,424 trucks inspected had either a minor (eg. a marker light burned out) or major (eg. faulty brake system) safety defect. In the case of 40 percent of those inspections, the safety defect was serious enough to require that the vehicle be taken out of service. With 52 percent of the inspections, drivers were found to be in violation of established rules, most notably for too many hours driving. In 13 percent of these cases, the violation was serious enough to warrant the driver being taken out of service.

In 1988, there were over 600,000 trucks registered to operate within Virginia's borders, both for interstate and intrastate travel. Recent studies indicate that more than 60 percent of hazardous materials transported annually are moved by truck. Throughout the 1988 calendar year, the Virginia Department of Transportation reported that nearly 10.4 million trucks were weighed at Virginia's weigh stations. The U.S. Department of Transportation estimates that, for 1988, 18 percent of all trucks traveling the highways carried hazardous materials. If that data is extrapolated out, it can be calculated that with 600,000 trucks registered to operate within the state, 18 percent, or approximately 108,000 trucks, might carry hazardous materials. If the same 18 percent figure is applied to those weighed, it could be estimated that nearly 1.8 million of the trucks that passed through Virginia's weighing stations may have carried a hazardous material. It should be noted, however, that the number of trucks registered and weighed include many that do not fit the U.S. Department of Transportation's guidelines for those carrying hazardous materials. It was not possible to determine with available data the exact percentage that do not fall into the DOT guidelines. Therefore, these figures could tend to be on the high side.

The 1988 and 1989 editions of the Virginia Crash Facts reported that there were 3,864 accidents involving tractor-trailers in 1988 and 3,687 in 1989. If the 18 percent figure for hazardous materials transportation is again utilized, then the potential exists that nearly 700 of those accidents in 1988 and 663 accidents in 1989 involved tractor-trailers carrying hazardous materials. Since tractor-trailers do fit into the Department of Transportation's 18 percent guideline,

these figures tend to be more accurate. Again, it must be pointed out that a truck simply being involved in an accident does not mean that a hazardous material would be released.

In fact, only 13 percent, or 211 of the 1,532 hazardous materials incidents reported in 1989, involved highway transportation. In 1990 the percentage of highway related incidents increased to 18 percent when 307 of the 1,687 incidents occurred on the highways of the Commonwealth. This would tend to indicate that in actuality, the number of reported incidents is relatively low when compared to the amount of traffic and potential for hazardous material transportation. When accidents do occur with trucks carrying hazardous materials, there is usually a great deal of attention. These accidents can sometimes result in massive traffic tie-ups and the resulting specialized emergency responses that are necessary to mitigate the problem make exciting news.

There are some areas of the Commonwealth that are more susceptible than others to the traffic problems which result from a highway related hazardous materials incident. Obviously such areas as Northern Virginia and Hampton Roads, because of the large daily traffic volume and existing congestion, experience major problems when hazardous materials incidents restrict the use of or close major roadways. These problems can be exacerbated when incidents occur on commuter feeder roads, such as Rt. 15 in Loudoun County, as alternate routes are not usually readily available for detouring.

Transportation-related hazardous materials incidents tend to be among the riskiest for emergency responders. Despite federal regulations which require vehicles carrying hazardous materials to be posted with warning placards and have appropriate shipping papers, the destructive nature of accidents and spills often results in the loss of these or other means to identify the product. Consequently, emergency responders must often contact the shipper to find out what the vehicle is transporting. The Chemical Manufacturers Association (CMA) operates a 24-hour-a-day emergency center, CHEMTREC, where emergency response personnel can call to seek technical advice and assistance in identifying the product. However, this organization is limited in its ability to provide emergency responders with appropriate information.

The U. S Congress is currently considering legislation (HR 2584) introduced by Representative Douglas Applegate of Ohio calling for

the establishment of a computerized system to track hazardous materials shipments. Estimates put the price tag of such a program at over \$1 billion nationwide. The intent of the program is to provide communities, and subsequently emergency response personnel, with listings of hazardous materials which will transit their area. Critics charge that the resulting paperwork and paper flow would bury local officials under massive amounts of documentation and would serve no useful purpose. For example, it was previously noted that as many as 1.8 million of the trucks passing through the state's weigh scales in 1988 may have carried a hazardous material. If registration information concerning each one of these shipments were provided to every jurisdiction along the shipping route, some localities could receive as many as 34,615 notifications per week or 4,931 notifications per day. Even with this information, it is questionable as to whether public safety officials would change current response techniques. Hazardous material responses tend to be reactive in nature and the proposed computer program is considered to be the opposite of that--proactive. Therefore, given the sheer volume of hazardous materials transported, it is questionable if such a program would be effective from either the industry or public safety side.

Virginia's maritime transportation system is also vulnerable to release of hazardous materials. According to the 1989 Report of the Virginia Joint Committee on Spill Prevention and Response Readiness, nearly 10,000 sailings occurred in and out of the port of Hampton Roads and the port of Baltimore during 1988. Figures from 1987 show that 11 million tons, or 69,854,000 barrels, of petroleum products traveled Virginia waters to and from the port of Hampton Roads or the port of Baltimore. Fortunately, petroleum spills into Virginia's navigable waters involving products in transit have not been numerous. However, the sheer volume transported indicates the potential for spills.

As a corollary to maritime travel, the Spill Committee reported that in 1988 there were 561 petroleum-related spills reported state-wide to either the Coast Guard or the State Water Control Board. In two-thirds of the cases, the spills reached state waters. Despite the fact that most of the spills did not exceed 25 gallons each, the total estimated amount of product spilled was 319,445 gallons, with nearly 259,015 gallons reaching state waters.

Virginia has a significant concentration of railroads operating in the state. The number of reported hazardous materials incidents related to these railroads accounted for about three percent of the total 1,014 recorded incidents during 1988. In 1989 and 1990 the number of incidents amounted to less than two percent. While none of these incidents resulted in an appreciable human or economic loss, the potential does exist. Nationwide in 1988, U.S. railroads carried over 1.1 million carloads of hazardous materials, including poisons, pesticides, and other dangerous chemicals. Hazardous materials shipping violations for railroads during 1988 numbered 3,575--up some 600 percent from 1984 when 499 violations were reported. This increase in numbers likely reflects a more stringent enforcement program as well as higher volumes of hazardous materials being transported.

The nature of rail transportation of hazardous materials does carry risks. Volumes of hazardous materials transported per car by rail tend to be greater than those moved by highway carriers. In addition to larger volumes, rail transportation can result in different types of hazardous materials being transported in the same train. Thus, when accidents/spills do occur, there may be larger volumes involved and the materials may be mixed, creating a synergistic effect. In many cases, accident/spill response may be exacerbated by the fact that rail lines sometimes traverse remote and relatively-inaccessible areas. Consequently, responses may be time consuming and logistically difficult.

The risks of pipeline releases appear to be minimal. In 1988, only two percent of all reported incidents involved pipelines. This figure remained steady for 1989 and 1990. There are four major natural gas and two major petroleum pipelines which cross the state. While the incident history is low, it should be noted that the sheer volumes carried in these pipelines could result in large quantities of hazardous materials being released when accidents do occur. This was evident when, last year, the Colonial Pipeline ruptured near Fredericksburg contaminating that City's water supply. A rupture of the same pipeline this past year in Chesterfield County caused a significant spill into a privately owned pond.

Manufacturing and storage facilities using or storing hazardous materials also pose a risk. In 1989 25 percent of reported incidents involved releases at fixed facilities. During 1990 that number increased to 35 percent. While many of the reportings were to meet

the requirements of SARA Title III, it should be realized that these facilities have the potential for large releases. The 1984 Union Carbide chemical release in Bhopal, India, which killed and injured thousands and resulted in the new federal legislation aimed at hazardous materials emergency notification and planning (SARA Title III) as well as the more recent October 23, 1989, Phillips Plastics Plant explosion in Pasadena, Texas, which killed 19 workers, exemplify the hazards posed by the manufacture and storage of hazardous materials.

It was noted earlier that manufacturing and storage facilities generally offered a better ability to monitor and control the factors affecting hazardous materials. While this can help to minimize the potential for an accident, the large quantities and differing types of chemicals stored at many sites increase the risk. Where in transportation quantities are generally limited, storage and manufacturing facilities tend to have much larger quantities which, when released, can adversely affect a much larger area. Additionally, many of the differing types of hazardous materials stored on sites and in facilities are synergistic; that is, when the combined effect of two or more chemicals is more dangerous than either of the chemicals on their own. In the cases of facilities, the different types and larger quantities of hazardous materials can be especially dangerous and hard to contain.

In many of the larger facilities, trained personnel are on hand to deal with hazardous materials releases on the property. The sheer size of some releases, though, may overwhelm these teams and require the assistance of outside public safety resources. Of particular concern are the manufacturing and storage facilities which are large enough to maintain a big inventory of hazardous materials but not large enough to staff on-site response teams. These facilities will rely on public safety resources to provide emergency support in the event of a release or spill.

If anything good came out of the injury and deaths of thousands in Bhopal, India, it would be SARA Title III. The requirements of this federal mandate have forced government and industry to work together in planning for and responding to chemical emergencies. Rather than being on opposite sides of the fence, government and industry emergency management experts have begun to come together to face the risks posed by hazardous materials.

While it is difficult to quantify the risks posed by hazardous materials there is a significant threat in Virginia. Of the 1, 085 chemicals considered by the federal government to be hazardous or extremely hazardous substances, nearly 32 percent of those are used or manufactured in the Commonwealth. Thus, they are obviously transported to and from industrial sites and pose both a risk in transportation as well as in the manufacturing process. Given the wide variety of these chemicals, there is no way accurately determine all of the potential medical, environmental and economic impacts when spills and releases occur. However, the key to successfully dealing with these situations when they do occur, is the maintenance of a quick and efficient response capability.

RESPONSE PROGRAM

In April 1986, the Virginia Secretary of Transportation and Public Safety directed that a Hazardous Materials Task Force examine problems posed by hazardous materials, considering their use, storage, and transportation and the state's capability to train for and respond to hazardous materials incidents. After meeting extensively during 1986, the task force determined that a definite state-wide hazardous materials incident response problem existed; and with the limited state and local response capabilities, state-level development and funding would be required. The task force determined the need for a standardized hazardous materials training program and a regional network of emergency response teams.

In 1987, HB 1172 was passed by the Virginia General Assembly establishing the Virginia Hazardous Materials Emergency Response Program. Administration of this program was placed under the State Coordinator of Emergency Services who is also Director of the Department of Emergency Services. The intent of the response portion of the program was to establish a cadre of state-level response personnel, to be supplemented by regional teams made up of local fire service personnel, to deal with hazardous materials incidents.

The nature of mitigating hazardous materials incidents can be either simple or complex, requiring few or many response personnel. The geographic size of the state, coupled with the need to respond to these incidents in a timely fashion made development of the cadre and regional response teams both efficient and cost effective. Responses to hazardous materials incidents by these personnel can generally be classified into two categories--Level II or Level III. A Level II response primarily consists of defensive tactics aimed at containing a spill or leak and typically does not directly expose the hazardous materials technician to a product. The Level III response, which is generally considered to be more technical and offensive, is geared towards containing and interdicting the leak. This type of response requires a great deal of specialized equipment and training and usually results in the responder working in direct contact with the hazardous environment, protected by specialized garments.

As of November 30, 1990, the Department of Emergency Services had 13 staff members employed in the Hazardous Materials Emergency Response Program, 8 of which are field response

personnel. The staff is responsible for basic program development/administration, and field employees provide technical advice, on-scene response, assistance for Level III response course development and training, and liaison with local hazardous materials coordinators. The state has been divided into eight response areas with regional offices being located in Pulaski, Culpeper, Richmond, and Newport News.

The regional hazardous materials emergency response team program began to materialize during 1988 with the actual signing of agreements between local jurisdictions and the Virginia Department of Emergency Services. Through these agreements with local governments, Virginia is well along in the process of developing adequate state-wide hazardous materials emergency response coverage.

It is estimated that nearly 80 percent of all hazardous materials incidents can be handled effectively and safely by a Level II response using defensive tactics. A state-wide Level II response capability will allow every locality in the Commonwealth to handle the majority of incidents they are likely to face. Localities can reach this Level II designation through a combination of specialized training (40 hours per individual) and equipment. The state is providing localities that sign these Level II agreements with \$1,500 to assist in purchasing technical guidebooks and defensive materials. As of September 1989, 115 of Virginia's 138 jurisdictions had signed Level II agreements and approximately \$172,500 had been disbursed to localities.

A certain percentage of hazardous materials incidents require sophisticated equipment and highly-technical expertise to mitigate the problem. The Level III classification provides that response capability in the form of regional hazardous materials response teams. In addition to Level I and II training, Level III certification requires an additional 200 hours of instruction. Thus far, seven Level III teams have signed agreements with the Virginia Department of Emergency Services to form a state-wide hazardous materials emergency response network. The teams from Alexandria, Henrico County, Newport News, Danville, Portsmouth (supported by Virginia Beach, Chesapeake, and Norfolk) and composite teams from the Roanoke Valley (Roanoke County, Salem, Roanoke City) and the Upper Shenandoah Valley (Augusta County, Harrisonburg and Rockingham County) have agreed to respond to incidents within their

assigned areas at the request of the Virginia Department of Emergency Services. Each team is trained sufficiently to provide, at a minimum, eight members per response. A total of \$1,552,500 of state funds has been disbursed to assist in the training and equipping of these teams.

Additionally, the Commonwealth has developed a Level II Enhanced (II-E) classification to give the state better coverage in those areas that are unable to staff and train a Level III team. The Level II-E teams will be called upon to respond just as the Level III teams are and would undertake specialized Level II responses pending arrival of the Level III teams. These teams can serve as a resource to the Level III teams. Level II-E teams include: the Cities of Bristol, Charlottesville, Danville and Winchester as well as the Counties of Giles and Wise. Approximately \$405,000 has been disbursed to support the Level II-E response program.

As previously noted, the response programs for Levels II and III operate under signed agreements between the localities and the state. Localities participating as either Level II or Level III teams agree, in return for state-sponsored equipping and training, to do the following:

1. Respond at the request of the Virginia Department of Emergency Services within an assigned response area on a 24-hour-a-day basis.
2. Provide a specified number of personnel for on-scene responses.
3. Complete training and refresher training.
4. Purchase and maintain necessary equipment from a provided list.

In return for this, the state agrees to:

1. Provide training to the teams at no cost to the locality.
2. Provide funding for team equipment and reimbursement of all expenses incurred while the teams are responding to an incident at the request of the state.

3. Provide team members with workers' compensation, liability coverage and, if required, legal representation.

The concept of developing these local government based teams has allowed the Commonwealth to develop a strong response program which is efficient and cost effective; but most importantly, it allows for quick responses to hazardous materials-related emergencies anywhere in the state.

It should be noted, however, that these teams are trained to deal primarily with surface transportation-related accidents (highway, rail, pipeline) or fixed facilities. Consequently, while the teams are trained to deal with these types of events and subsequent spills into creeks and small rivers, they lack the necessary training or expertise to deal with releases into navigable waters such as the James River or the Chesapeake Bay. However, releases into these types of large bodies of water are the responsibility of the Coast Guard and the Environmental Protection Agency. Thus, while these teams would not have a primary response role, they could certainly be considered as a very capable resource from which to draw trained individuals.

The November 1989 report of the Virginia Joint Committee on Spill Prevention and Response Readiness included recommendations to "define and dedicate the resources necessary to ensure adequate planning for, training for, and response to oil spill incidents". Within the context of this recommendation, they recommended that personnel within the State Water Control Board (the state's lead agency for petroleum spills) be trained at least annually in petroleum clean-up technology. In addition, it was recommended that appropriate training for state responders also be conducted so that the Commonwealth has an effective cadre to supplement federal agencies responding to these types of spills.

The hazardous materials response program in Virginia has been recognized as a national model. Continued effectiveness on the part of the Commonwealth to maintain a viable response capability will be predicated upon maintaining financial support. The ability to readily respond and mitigate hazardous materials incidents improves the chances of minimizing the health, environmental and economic consequences of such an event. Without this capability, an incident could escalate into monumental proportions with disastrous results.

TRAINING

In reviewing the current status of training activities regarding hazardous materials transportation, manufacture, and storage, an attempt was made to categorize the information into two groups. These two categories were training standards for public safety personnel involved in potential responses to hazardous materials incidents and training standards for business/industry workers involved in hazardous materials-related activities.

In 1988 alone, some 7,472 students representing a cross section of public safety personnel (fire, rescue, law enforcement, public works, etc.) took part in Virginia's multi-level hazardous materials training program. In 1989 an additional 6,800 students received various levels of hazardous materials training. The training program includes four levels of instruction: Awareness and Recognition Training (Level I - 16 hours), Defensive Techniques Training (Level II - 40 hours), Control and Abatement Training (Level III - 200 hours), and Operational Command and Management Training (Level IV - 40 hours). Levels I and II training are provided through the Virginia Department of Fire Programs and Levels III and IV are provided through the Virginia Department of Emergency Services.

As a result of recommendations contained in the 1986 Final Report of the Hazardous Materials Task Force, the training programs have been designed and implemented to provide training for public safety personnel where it is most needed. The report and subsequent training programs indicated that all public safety first responders (police, fire, and rescue) should receive, at a minimum, Level I training. This will provide a basis where potential hazardous materials involvement can be recognized by initial responders, thus allowing appropriate emergency protective actions to be initiated. These actions can help to minimize exposure of response personnel and citizens as well as to allow for quicker response from specially-trained hazardous materials teams.

The task force also identified the need for selected fire, law enforcement, and rescue personnel to have Level II training. The subsequent training programs are designed to provide these response personnel with not only the ability to recognize hazardous materials involvement but also to possess sufficient expertise to initiate defensive (containment) measures pending the arrival of Level III response personnel. This training program recognizes that

these response personnel would not normally be engaged in controlling an incident, but might be confronted with a situation which would require they take some action.

It should be noted that the Division of Emergency Medical Services (EMS), Department of Health, has developed a modified Level II program, primarily for emergency medical personnel. This program is oriented towards providing medical care to patients contaminated by hazardous materials and includes measures for protecting care givers and their equipment. Funds designated for training under the auspices of the Hazardous Materials Emergency Response Program have been provided to EMS to support this effort.

Level III training was recommended by the task force for all members of the previously-mentioned regional response teams. This training is considered to be of the highest level and provides the teams with sufficient expertise to not only contain a spill or leak but also to mitigate it. All regional response teams have received or are in the process of receiving Level III training.

A training program has also been initiated for those who are in the command and control function of a hazardous materials incident. This program, Level IV, provides instruction in the principles of planning for and commanding such an operation. Typically, students of this program are administrative- or management-level personnel.

The aforementioned training programs have included private industry personnel. Many of the larger manufacturing facilities in the Commonwealth possess their own fire and rescue squad brigades. These groups are typically responsible for dealing with emergencies within the confines of their facilities. However, these individuals are required to have the same levels of training as their public safety counterparts and, in fact, many also serve with fire and rescue organizations in their communities. Consequently, training programs are providing a response capability within the confines of Virginia's manufacturing industry. In addition, some of Virginia's industrial facilities have specialized response teams which will respond off-site to deal with emergencies involving their products. While some of these teams may not be directly trained through the Commonwealth's hazardous materials training program, the national standardization of response techniques allows them to work effectively with state and local response personnel.

Implementation of Levels I and II training programs has been effective. The Department of Fire Programs, as the lead training agency, has worked with the Department of Criminal Justice Services and the Virginia Association of Volunteer Rescue Squads to provide training to fire, law enforcement, and rescue personnel. The emphasis on hazardous materials within these communities has created the desire to receive this training. However, the ever changing world of hazardous materials response will require a continued and dedicated effort to ensure response personnel stay informed. Additionally, continuing efforts need to be made to provide this training to those still untrained, particularly in the volunteer fire and rescue communities where training activities compete for available time of the emergency response personnel.

Implementation of Levels III and IV training programs with the Department of Emergency Services as the lead agency has also been effective. Regional response teams have received or are in the process of receiving Level III training and at least one individual from most of the Commonwealth's 138 political subdivisions has received Level IV training necessary for development of federally-required emergency response plans. It should be noted that while the Department of Emergency Services has been the lead agency, personnel from other state and federal agencies as well as the private sector have been utilized in the teaching process so as to ensure the highest level of instruction.

The State Hazardous Materials Emergency Response Advisory Committee (SHMERAC) has recently undertaken a review of the current training program. The committee intends to revise the training programs to reflect changes in response procedures as well as to make the programs more accurately meet the needs of Virginia's first responders. Given the Commonwealth's response capabilities, the revised training program for basic responders as well as hazardous materials teams will ensure that all incidents can be effectively and, most importantly, safely handled. However, it must be ensured that all agencies within the Commonwealth who might respond to a hazardous materials incident have appropriate levels of training. This will require that the lead agencies in this area, the Departments of Emergency Services and Fire Programs as well as the Division of Emergency Medical Services and Virginia Association of Volunteer Rescue Squads continue to promote the receipt and delivery of hazardous materials training curriculum.

Training standards for industry/business personnel involved in the transportation, manufacture, and storage of hazardous materials do exist. The State Department of Labor and Industry is Virginia's lead agency in the regulation of safety and health activities for workers in both the public and private sectors. The Commonwealth has adopted national standards (Federal Occupational Safety and Health Act of 1970, Public Law 91-596) which serve as the basis for the Department's regulatory activities.

The Department, in the role of a regulatory agency, does not provide, for the most part, training for workers involved in the handling of hazardous materials. They do, however, maintain listings of training sessions being conducted for workers by the Occupational Safety and Health Administration (federal) as well as private consultants. Ensuring that workers handling hazardous materials have appropriate training comes under the purview of the Department. Some of the more significant regulations follow.

**Hazardous Waste Operations and Emergency Response Standard:
(Effective March 6, 1990)**

The standard requires all employers involved in the clean up, abatement, mitigation, and/or emergency response to situations involving hazardous substances or hazardous wastes as defined under the Comprehensive Emergency Response, Compensation, and Liability Act (federal) or the U.S. Department of Transportation's Hazardous Materials Transportation Act to provide workers with certain minimum levels of training. At minimum, workers are generally required to take 40 hours of off-site training combined with three days of actual field training before they are allowed to work on sites where they may be exposed to hazardous substances or health hazards. If monitoring and evaluation of a site indicate exposure levels are below permissible limits and the threat of any emergency developing is minimal, then these standards may be reduced to 24 hours of off-site training with one day actual field experience. The aforementioned training generally involves personal protective actions for workers combined with safety and handling guidelines.

Occupational Safety and Health Administration's Hazardous Waste Operations and Emergency Response Standard: (Present Rule)

This is the current standard for employers involved in the cleanup, abatement, mitigation, and/or emergency response to situations involving hazardous substances or hazardous wastes, as defined under the Comprehensive Emergency Response, Compensation, and Liability Act (federal) or the U.S. Department of Transportation's Hazardous Materials Transportation Act to provide workers with certain minimum levels of training. The training requirements, in terms of length of time, follow closely that of the standard which became effective in March 1990. The new rule, however, will strengthen the current training standards.

Virginia Confined Space Standard for General Industry and the Construction Industry/Virginia Confined Space Standard for the Telecommunications Industry:

These standards provide the requirements for workers involved in activities in confined spaces where the presence of a hazardous atmosphere may cause the potentials for illness, injury, disablement, or death. Training in the use of respirators, hazard recognition, and personal protection is required. However, there are no training time requirements outlined in the standard.

As previously noted, the Commonwealth has adopted the OSHA Standards for General Industry as the basis for regulation of safety and health standards for workers in Virginia. These standards include significant regulations concerning the use and handling of hazardous materials in the workplace. Consequently, it is necessary for many businesses to train their employees in the safe handling, use, storage, and transportation of hazardous materials so as to ensure compliance with the law. In addition, increasing insurance rates are forcing businesses to implement safety programs for employees so as to help minimize the potential for accidents and subsequent insurance claims.

It would be unwise to conclude that the mere presence of regulations or increasing insurance rates will ensure that workers are trained in the safe use of hazardous materials. Recent events in the state such as the AVTEX Fibers Plant in Front Royal have shown that the regulations may not always be adhered to. The end result can be

accidental releases of hazardous materials and wastes which can injure and kill workers and the general population; and in the case of the Front Royal Plant, have a significant negative impact on the environment.

The transportation of hazardous materials, particularly by highway, has received wide attention because transportation-related accidents generally gain a great deal of media coverage. The U.S. Department of Transportation's Hazardous Materials Transportation Act contains regulatory requirements concerning hazardous materials transportation. As with OSHA requirements, the transportation industry must provide training to their personnel in order to ensure compliance with provisions of the Act. However, this by no means ensures that shippers carrying hazardous materials are trained to deal with the materials. In many cases hazardous materials are loaded and off-loaded by appropriately-trained personnel and then turned over to the shipper. Consequently, the shipper may know that they are transporting a hazardous material but have no knowledge of how to deal with it should an accident occur.

In January 1990, new federal legislation took effect requiring truck drivers to obtain specialized commercial drivers' licenses. Prior to this the only requirement to obtain a license to drive a truck in Virginia is that an applicant obtain a chauffeur's license with an endorsement to drive a truck. It is likely that these new license requirements will require additional training for truckers. When California implemented this program in 1989 (the first state to do so), nearly 35 percent of the applicants failed the test on their first try. For those transporting hazardous materials additional testing will be necessary. While the new licenses do not ensure total trucking safety, they do provide an increased awareness on the part of drivers to the hazards faced on the road. In addition, the testing program should help to screen out the operators who lack the knowledge and expertise required to be a professional driver.

Of parallel interest is the licensing requirements for shipping vessels in Virginia's waters. Pilots of commercial vessels operating in navigable waters of the Commonwealth are required to be licensed by the U.S. Coast Guard. In most cases, when a vessel enters Virginia waters it takes on a commercial pilot from the Virginia Pilot Association (VPA) who is more familiar with the waterways and thus better qualified to operate the vessel with a higher degree of safety. There are cases, though, when a VPA pilot may not be taken on and

the vessel is operating in Virginia waters with a pilot unfamiliar with the waterway. In light of the Exxon Valdez accident, the Coast Guard is currently studying requirements for pilot training and subsequent licensing. The end result could be that the Commonwealth will be in a position to set training and licensing requirements for boat pilots, particularly for inland waters.

The railroad industry has recognized the necessity of safety and training standards. The inherent risks posed to workers by the size and mechanical complexity of railroad cars, require that personnel receive annual safety training. This training includes sections dealing with the movement of hazardous materials by rail.

It is of paramount importance that the Commonwealth continue to encourage the private sector to train employees involved in hazardous materials operations, relative to proper handling and emergency response procedures. Based on the fact that over 60 percent of the hazardous materials releases on highways are the result of human error, it is important that we continue to strengthen our training in this area. The key to a successful prevention program is built upon a strong safety and training program.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 - SARA TITLE III

On October 17, 1986, the "Superfund Amendments and Reauthorization Act of 1986" (SARA) was signed into law. One part of the new SARA provision is Title III: the Emergency Planning and Community Right-to-Know Act of 1986. Title III requires states to establish the process for developing local chemical emergency preparedness programs and to receive and disseminate information on hazardous chemicals present in local communities and the release of certain toxic chemicals into the environment .

Title III is being implemented in Virginia by the Virginia Emergency Response Council (VERC). The Council was appointed by Governor Baliles in April 1987. The Executive Director, Department of Waste Management, Cynthia V. Bailey, was designated to serve as chair. The 1987 Session of the Virginia General Assembly acknowledged the state's role and responsibility in this area with the passage of HB 1172, the Virginia Hazardous Materials Emergency Response Program, which established the VERC. Apart from Title III implementation, the Hazardous Materials Emergency Response Program is being implemented by the Department of Emergency Services.

The requirements of Title III mandate that the VERC become responsible for and, in some instances, coordinate a number of new activities including emergency planning, emergency response notification, community right-to-know reporting, and toxic chemical release reporting. In particular, the community right-to-know provisions are intended to increase the public's knowledge and access to information on the presence of hazardous chemicals in their communities and the release of certain toxic chemicals into their environment .

Provisions of the Act

Title III has four major components: emergency planning (Sections 301-303), emergency release notification (Section 304), community right-to-know reporting (Sections 311 and 312), and toxic chemical release reporting (Section 313).

Sections 301-303

Section 301 requires the VERC to designate emergency planning districts within Virginia to facilitate the preparation and implementation of emergency plans required under Section 303. In addition, Section 301 requires the VERC to appoint a Local Emergency Planning Committee (LEPC) in each of those districts. The VERC has designated 114 emergency planning districts and committees.

Section 302 requires any facility that produces, uses, or stores any of the substances on the list of extremely hazardous substances (EHSs) in quantities equal to or greater than the established threshold planning quantity to notify the VERC. If the facility is covered by this section, the owner/operator of the facility should have notified the VERC by May 17, 1987. After May 17, 1987, the owner/operator must notify the VERC and the LEPC within 60 days if an extremely hazardous substance becomes present at the facility in a quantity that equals or exceeds the established threshold planning quantity. To date, 1,282 facilities have notified the VERC that they are subject to the emergency planning requirements of SARA Title III; however, facilities are not required to report which EHS is present at their facility under Section 302 (see Appendix D for a current listing of these facilities). A covered facility must designate a facility representative to participate in the planning process at the local level. In addition, the facility owner/operator must submit additional information to the LEPC upon request and keep that group informed of any relevant changes occurring at the facility.

Section 303 required each local planning committee to prepare an emergency response plan by October 17, 1988, and review it at least annually thereafter. In developing this plan, the local committee evaluates available resources for preparing for and responding to a potential chemical accident. Each plan must: identify facilities and transportation routes of extremely hazardous substances; describe emergency response procedure, on-site and off-site; designate a community coordinator and facility coordinator(s) to implement the plan; outline emergency notification procedures; describe methods for determining the occurrence of a release and the probable affected area and population; describe community and industry equipment and facilities and identify persons responsible for them; outline evacuation plans; describe a training program for emergency response personnel (including schedules); and present methods and schedules for exercising emergency response plans.

The VERC is responsible for reviewing the emergency response plans. To date, 72 of the 114 LEPCs have submitted plans; 34 have met the minimum requirements outlined in the statute. As of July 1, 1989, two positions in the Department of Emergency Services have been dedicated full-time to review local emergency response plans. Technical assistance is available to aid those communities that are not yet in compliance with the law.

Section 304

Under Section 304, the owner/operator of a facility must immediately notify the VERC, the LEPC, and the National Response Center when a release of a listed hazardous substance occurs which is not federally permitted and which exceeds the reportable quantity established for that substance and results in exposure to persons off-site. Section 304, unlike other reporting requirements of the law, does apply to transportation incidents. Substances subject to this notification requirement include those on EPA's list of 360 extremely hazardous substances and the 725 hazardous substances subject to the emergency notification requirements under Section 103(a) of CERCLA (those designated under Section 110(14) of CERCLA). The VERC has designated the Department of Emergency Services to receive all initial notifications of reportable releases under SARA Title III in Virginia. Notification must also be given to the LEPC's community emergency coordinator. In addition, notification must also be given to the National Response Center in Washington, D.C. The notification must include the following information: chemical identity; whether it is an extremely hazardous substance; amount released; time and duration of release; environmental media into which the release occurred; known or anticipated acute or chronic risks and advice regarding medical attention necessary for exposed individuals; precautions to be taken, such as evacuation; and the name and telephone number of contact person.

Additionally, Section 304 requires that the owner/operator provide a written follow-up emergency notice as soon as practicable after the release. This should include: an update of the information included in the initial release notification; information on actions taken to respond to and contain the release; any known or anticipated acute or chronic health risks associated with the release; and, where

appropriate, advice regarding medical attention necessary for exposed individuals.

Since August 1987, the VERC has received 93 immediate and/or written follow-up notifications: 7 in 1987; 27 in 1988; and 37 in 1989 and 22 through November of 1990. Appendix I, illustrates that several of the listed chemicals (sulfur dioxide, sulfuric acid, ammonia, and chlorine) account for almost 50 percent of the notifications. Appendix J provides a summary of the notifications in chronological order.

Sections 311-312

There are two community right-to-know reporting requirements under SARA Title III. Section 311 requires the owner/operator of a facility, which must prepare or have available Material Safety Data Sheets (MSDSs) under the Occupational Safety and Health Administration (OSHA) Hazard Communications Standard regulations, to submit either copies of its MSDSs or a list of MSDS chemicals to the VERC, the LEPC, and the local fire department. Section 312 requires an annual inventory of those chemicals reported under Section 311 be submitted to the same organizations every March 1. At present, the VERC has received reports under Sections 311 and 312 from 5,241 facilities; a facility tracking data base currently stores facility identification information and a record of reports submitted. A chemical inventory is not yet completely entered into the data base.

Reports under Section 311 must include information on "hazardous chemicals," as defined by the OSHA physical and health hazard categories. Hazardous chemicals present in amounts equal to or greater than the 10,000 pound threshold amount must be reported; Because this reporting requirement is based on the properties of the chemical, there is no list of OSHA "hazardous chemicals" which must be reported; as many as 575,000 to 750,000 products may fit the definition. When SARA Title III was passed in 1986, OSHA's regulations applied only to manufacturers. OSHA has since expanded its hazard communications standard to include most facilities where workers are exposed to hazardous chemicals.

Before the expansion in the hazard communication standard, about 350,000 facilities were covered by OSHA; now an estimated 4.5 million are covered. Because the requirements of Title III are tied to those of OSHA, in Virginia the number of facilities reporting under

Title III will likely increase from approximately 5,000 in 1989 to over 70,000 during the next two years as facilities become aware of their new responsibilities. To date, it is estimated that the VERC has received 22,000 MSDSs (each contains approximately four pages) requiring storage in 11 file cabinets.

In addition, the Section 311 reports must include information on "extremely hazardous substances" present in amounts equal to or greater than 500 pounds or the established threshold planning quantity for that substance, whichever is lower. The initial submission deadline was October 17, 1987, for all manufacturing facilities and, following the expansion of the hazard communication standard, the submission deadline for non-manufacturing was September 24, 1988.

The reporting requirement for Section 312 requires facilities to submit an emergency and hazardous chemical inventory form to the VERC, the LEPC, and the local fire department. The hazardous chemicals covered by Section 312 are the same chemicals for which facilities are required to submit MSDSs or a list of MSDS chemicals under Section 311. Facilities can report either using the Tier One form or the Tier Two form as developed by EPA; however, a Tier One is the minimum form required under the law (see Appendix D).

Under Tier One, facilities must submit the following aggregate information for each health and physical hazard category established by the EPA: an estimate (in ranges) of the maximum amount of chemicals for each category which were present at the facility at any time during the preceding calendar year; and estimate (in ranges) of the average daily amounts of chemicals in each category; and the general location of hazardous chemicals in each category. Tier One information should have been submitted on or before March 1, 1988, and annually thereafter on March 1.

Each reporting facility has the option of completing the more detailed Tier Two form in lieu of the required Tier One. The Tier Two form can also be requested by the VERC, the LEPC, or the local fire department if more information is required. The information contained in the Tier Two form includes: the chemical name or the common name of the chemical being reported; the applicable health and physical categories; an estimate (in ranges) of the maximum amount of the hazardous chemical present at the facility during anytime in the preceding calendar year; an estimate (in ranges) of

the average daily amount of the hazardous chemical present at the facility during the preceding calendar year; and a brief description of the manner of storage of the hazardous chemical. Information regarding the storage location of the chemical may be claimed as confidential by the owner/operator.

Section 313

Section 313 requires certain manufacturing facilities to submit reports annually on July 1 on the amounts of toxic chemicals their facilities release into the environment. These reports are submitted to the appropriate state agency (in Virginia, the VERC) and EPA only. The purpose of this reporting requirement is to inform the public and government officials about routine releases of toxic chemicals into the environment. The list of toxic chemicals subject to reporting includes 300 chemicals and 20 chemical compound categories. Some of the chemicals appear also on the EHS and/or CERCLA lists. Fifty-six are on both the Sections 302 and 313 list. Two hundred and fourteen are on both the CERCLA 101(14) and SARA Section 313 lists (see Appendix E).

The Section 313 reporting requirement applies to owners/operators of facilities that are in the Standard Industrial Classification (SIC) Codes 20-39, that have ten or more full-time employees, and that manufacture, process, or otherwise use a listed toxic chemical in excess of specified threshold amounts.

Facilities otherwise using listed toxic chemicals in quantities over 10,000 pounds in a calendar year are required to submit a report by July 1 of the following year. Facilities manufacturing or processing any of the listed chemicals in excess of 75,000 pounds in 1987 were to have reported by July 1, 1988. Facilities manufacturing or processing in excess of 50,000 pounds in 1988 were to have reported by July 1, 1989; thereafter, facilities manufacturing or processing more than 25,000 pounds in a year are required to submit a report annually by July 1.

EPA has developed a form, the Toxic Chemical Release Form R, to be used by facilities when reporting (see Appendix F). The following information is required on the form: facility identification information; off-site locations to which the facility transfers toxic chemicals in waste; whether the chemical is manufactured, processed, or otherwise used and the general categories of the use of

the chemical; an estimate (in ranges) of the maximum amount of the toxic chemical present at the facility at any time during the preceding calendar year; quantity of the chemical entering each medium (air, water, land) annually; waste treatment/disposal methods and efficiency of methods for each waste stream; optional information on waste minimization; and a certification by a senior facility official that the report is complete and accurate.

In 1988, 397 facilities submitted 1,461 Section 313 reports for calendar year 1987. In 1989, 438 facilities had submitted 1,584 reports for 1988. The 1989 release data is currently being entered into a data base to facilitate analysis and retrieval at the state level (see Appendices G and H for summaries of release data).

Public Availability of Title III Information

The information submitted by facilities under Sections 304, 311, 312, and 313 must generally be made available to the public by the VERC and the LEPCs.

Receipt, Storage, and Analysis of Data

In 1987, the VERC recognized that successful implementation of SARA Title III in Virginia would require a computer-assisted retrieval system. On November 16, 1988, the VERC adopted the Emergency Information System/Chemical version (EIS/C) software, developed by Research Alternatives, Inc., as the state standard for computer software for the implementation of SARA Title III in the Commonwealth. By promoting state-wide adoption of this software, the VERC hopes to create a network of EIS/C users and facilitate a more thorough analysis of submitted data.

EIS/C, a map driven system, is a joint development effort of emergency responders and planners and complies with all the provisions of SARA Title III. EIS/C has a complete chemical inventory data base, Tier One and Tier Two reporting formats, plus all of the required mapping capabilities for emergency planning.

Other relevant features of the software include: the resource inventory program which tracks and maps government and facility resources; a special emergency needs program which identifies the locations of hospitals, nursing homes, schools, and other facilities or individuals who may need help in a chemical incident; the site

characterization program which summarizes facts about each chemical facility and provides quick reference information for emergency response personnel; the chemical inventory program which provides complete lists of chemicals at each facility; the hazards analysis program which summarizes the population at risk from a release, important facilities and preplanning information; and a personal resources program which allows the user to recall Incident Command Staff. An add-on communications module for the EIS/C software has been developed which will allow the rapid exchange of data, plans, maps and graphics to provide fast decision support for on-scene responders and executive decision-makers.

The VERC staff has begun entering the hazardous chemical inventory information submitted by facilities under Section 312. A local area network and an additional full-time staff member are facilitating data entry. Given the volume of material being entered, it is difficult to assess when this initial data entry phase will be complete. Currently, approximately 20 localities have adopted the EIS/C system.

HAZARDOUS MATERIALS ROUTING PROGRAMS

A major task assigned by SJR 155 was the development of "criteria to analyze and select a regionally coordinated system of safest available routes for transporting 'high-hazard' solids, liquids, gases, or compounds or mixtures thereof". Development of an overall hazardous materials routing program would require establishment of two main subprogram elements: an administrative element to provide for the legislative, implementation, and management aspects of the program; and a risk analysis element to provide a qualitative analysis of proposed routes.

Transportation of hazardous materials is regulated by the United States Department of Transportation under Title 49, Code of Federal Regulations. These regulations serve as the implementation guidelines for the Hazardous Materials Transportation Act (HMTA) of 1975. Virginia has adopted these standards for regulation of hazardous materials transportation in the Commonwealth. Therefore, any routing program established in Virginia must be consistent with federal regulations.

The United States Congress has just recently completed a major reauthorization of the HMTA which was signed into law by President Bush on November 16, 1990. This reauthorization, in the form of the Hazardous Materials Transportation Safety Improvement Act of 1990 (Public Law 101-449), has amended the HMTA to include specific guidelines for the development of hazardous materials routing programs.

The HMTA was initially adopted in 1975 as the principal Federal law for regulating the safe transportation of hazardous and radioactive materials. Despite the ever increasing risks posed by hazardous and radioactive materials on the nations transportation routes, no major revision of the law was undertaken until this most recent action. The original intent of the the HMTA was to provide the federal Department of Transportation with the regulatory and enforcement authority to protect the public against the risks posed by all forms of hazardous materials transportation. Coupled with this was the intent of precluding the enactment multiple state or local regulations which might vary or conflict with federal regulations. Authority for enforcement of this Act was delegated to the the Research and Special Programs Branch of DOT as well as the Federal Highway

Administration, the Federal Railroad Administration, the Federal Aviation Administration and the U. S. Coast Guard.

In 1986 the federal Office of Technology Assessment (OTA) undertook an review of Federal hazardous materials laws and enforcement practices. In July of 1986, OTA published a report in which three major policy issues were discussed. These included: development of a national uniform truck driver licensing program, community emergency planning needs for hazardous materials incidents and community right-to-know guidelines. As a result, a national truck licensing program has been established and the reauthorization of the federal Superfund program included the regulations governing both emergency planning and community right-to-know laws. The latter of the two, emergency planning and community right-to-know, are mainly concerned with fixed facilities but certainly have applicability to transportation. The reauthorized HMTA includes provisions for additional work in the area of planning and community-right-to-know as they relate to hazardous materials transportation.

Though the original HMTA included provisions for regulating the routing of radioactive materials, there was an absence of specific guidance on the routing of hazardous chemicals. Consequently, state and local governments were left to their own devices for establishing such programs if they chose to do so. However, DOT retained the authority and responsibility for ensuring such programs were not inconsistent with the limited guidance included in the HMTA. To ensure that there was adequate guidance for the future establishment of any hazardous materials routing programs, the reauthorization of the HMTA included major provisions for such actions.

The revised HMTA requires that the federal DOT issue standards for states to use in the designation of highway routes for the movement of hazardous chemicals. The parameters for designation of such routes would include: a need to enhance overall public safety, require that affected local jurisdictions are properly consulted, allow for comment by the general public and most importantly, not cause an unreasonable burden to commerce. Specific factors that would require evaluation prior to route designation include: population density near proposed routes, types of highways being proposed, types and quantities of hazardous materials to be transported, emergency response capabilities, continuity of routes both inter- and

intra-state, terrain, alternate routes, effects on commerce and consultation with affected parties. Included with these requirements is that the federal DOT develop a dispute resolution process to adjudicate routing disputes among adjacent states.

The federal DOT is provided by the revised HMTA a period of one year, from the date of enactment of the legislation, to issue standards governing the development and implementation of routing programs. This information will provide states with the appropriate guidance for use in developing routing programs so as to ensure that they are consistent with federal guidelines. Development of routing standards by local jurisdictions will be subject to the same provisions as those established for states. In addition, states will be responsible for ensuring that any local provisions are in compliance with federal standards. The federal DOT must, within 18 months of enactment of the revised HMTA, issue regulations governing the resolution of disputes among states and federal agencies affected by any such routing programs.

Despite the impending reauthorization of the HMTA, several states have proceeded with the development of routing programs. While these programs have been developed within the general parameters as were expected to be included within the reauthorization of the HMTA, the involved states will likely have to amend these programs to comply with the new regulations being developed by the federal DOT.

As the Commonwealth has adopted Section 49, Code of Federal Regulations, as the standard for transportation of hazardous materials within and through the state, any routing requirements placed on shippers cannot be inconsistent with these federal regulations. Several states, to include Colorado, Ohio and Pennsylvania have initiated or are in the process of initiating routing programs for the transportation of hazardous materials. These programs are designed to restrict the travel of shippers carrying hazardous materials to routes which have been predetermined to be the safest available routes for moving these hazardous materials.

Development of the routing programs in the states of Colorado and Pennsylvania have required the acquisition of private sector consultants to provide the analytical framework for implementation. The nature of the development process requires that copious amounts of data concerning roadway characteristics, accident

statistics, property evaluations, demographics, land uses, and traffic characteristics be reviewed and analyzed. This information is being used to determine accident probabilities, population risks, and property risks for various segments of roadways, usually by breaking each segment of the routes into one-mile lengths. Subjective factors such as emergency response capabilities and public facilities as well as alternate routes are also being considered. Guidance to support this analytical program development process is contained in the Federal Highway Administration publication, Guidelines for Applying Criteria to Designate Routes for Transporting hazardous Materials.

Virginia's highway system encompasses almost 54,000 miles of interstate, primary, and secondary roads and is the third largest in the nation. If hazardous materials routing standards were developed for the entire system it would be a monumental undertaking. Procurement of a contractor to develop a risk analysis program would likely be required ensure that sufficient manpower and technical expertise are applied to the development process. This would allow Virginia to produce a hazardous materials routing program which is adequate for Virginia and is consistent with federal regulations.

The Commonwealth of Pennsylvania Department of Transportation (PennDOT) retained the services of the Center for Transportation Research at Virginia Polytechnic Institute and State University (VPI&SU) to develop a hazardous materials analysis program for their state. This is the same group that provided the Department of Emergency Services with the 1985 report on selection of preferred highway routes for the shipment of spent nuclear fuel between the Surry and North Anna Power Stations. The program allows PennDOT to determine vulnerable areas in the state and the minimum risk routes for traversing those areas on a continuous basis, utilizing annual accident report data. Much of the work that was done on the Pennsylvania system could be applied here in Virginia, resulting in the delivery of a more cost effective routing program. Typically, the work includes transferring vast amounts of roadway-specific data into an individually tailored computer risk analysis program which then can be used to analyze each segment of roadway. Given the fact that Virginia has at least 54,000 miles of roadway, it is conceivable that data entry would be required for at least the same number of mile-long segments if it was undertaken on a state-wide basis.

If it was determined that implementation of a state-wide program was not a viable option, then some consideration could be given development of regional routing systems. A regional approach could allow implementation of routing programs in selected areas of the Commonwealth. These areas would likely be those which have been determined to have a higher risk for occurrence of transportation related hazardous materials incidents. While this type of program would minimize the amount of roadway information to be analyzed, it would still require legislation as well as management and enforcement support. Additionally, a regional program must comply with the new federal DOT regulations to be published in response to reauthorization of the HMTA.

Though a regional approach could be fiscally advantageous with regard to the cost of analyzing road segments, it could create problems with regard to implementation. Route designations would have to be coordinated with areas outside of the region to ensure that they are contiguous. In addition, analytical data could be required to demonstrate that the routes for those non-participating areas are the safest. Consequently, a multitude of complex legal and management issues might arise which would have to be carefully examined. Also, pending receipt of new federal routing standards, it is not known what parameters will be placed on the establishment of regional programs.

The Center for Transportation Research also believes that a comprehensive assessment of the risks associated with the manufacture and storage of hazardous materials could be provided in conjunction with the development of a route analysis program. Preliminary estimates show that a hazardous materials route analysis program as well as an assessment of risks associated with the storage and manufacture of hazardous materials would require 12 to 18 months to complete and would likely cost an estimated \$400,000 or more at today's prices.

However, the development of a hazardous materials routing analysis package would only be one portion of the establishment of an overall routing program. The State of Colorado has implemented a similar program, and this required the dedication of financial resources (\$500,000+ per year), legislative action, manpower, and the cooperation of state and local government to ensure its success. Management and enforcement of the program, which was mandated by the Colorado Hazardous Materials Transportation Act of 1987, was

placed under the Colorado State Patrol, a sub-element of the Department of Highways. The Act provides the Patrol the authority to, in consultation with local governments and the State Highway Department, designate routes for the transportation of hazardous materials in the State. The program includes not only hazard analysis of road segments but public education and enforcement programs.

As previously noted in this report, transportation of hazardous materials is regulated under Section 49, Code of Federal Regulations. These regulations provide for the transport of these materials by the most direct and safest available routes so as to minimize the potential impact on the population. The regulations are intended to allow for the safe movement of these hazardous materials while protecting a shipper's right to conduct interstate and intrastate state commerce materials.

An Overview of the Colorado Program

The routing program in Colorado is generally thought to be consistent with federal regulations. In fact, the Department of Transportation has reportedly looked towards that state as the model for others to follow. As was noted earlier the State Patrol, which is a sub-element of the the Colorado Department of Highways, actually designates hazardous materials routes through the authority of the State Hazardous Materials Transportation Act of 1987.

The process involves the State Patrol's receipt of route designation petitions from authorized applicants to include cities and counties for any public road maintained within their jurisdictions as well as the Colorado Department of Highways for any road it maintains outside incorporated places, at the request of a municipality for any road maintained by the state within that jurisdiction.

The petitioning packet must identify the businesses known to be reliant on hazardous materials transportation and which would be affected by the designation.

Route designations are not applicable to vehicles carrying gasoline, diesel fuel, or liquified petroleum gas unless requested by the petitioner. Each petition can request various route restrictions, closings of streets and highways, and other conditions with the

exception of hours of operation and curfews. Vehicles going to or from a farm and carrying hazardous materials are exempt.

The Patrol utilizes the following factors in determining route designations:

- It must be feasible, practical, and cost effective.
- Must be continuous, both within and between jurisdictions.
- Be safer than other feasible routes.
- Must not be unreasonably burdensome to intrastate or interstate commerce.
- Must not be arbitrary or intended merely to divert hazardous materials to other communities.
- Should not interfere with the pickup or delivery of hazardous materials.
- Must be consistent with all federal laws and regulations.

The Patrol is required to inform applicable local governments by certified letter and citizenry by public notice of the intended route designation and then must hold an informal public hearing. If there is no opposition and the Patrol deems it appropriate, the route designation may be approved. Should there be opposition, the Patrol must hold a formal public hearing in order to resolve any conflicts. Final designation authority rests with the State Patrol and must be undertaken within six months of receipt of the application. Information regarding Colorado's program is included in this study document for reference (See Appendix K).

A similar route designation program could work in Virginia. However, Virginia's road network is considerably larger than that of Colorado's and thus would require more effort and work. As an alternative, routing programs could be limited to address regional concerns but this would still require major work. A major portion of any designation activity is the identification of the safest available routes. As noted earlier, a risk analysis program, based on all available data, would be required to undertake this part of program implementation.

REQUIREMENTS FOR A ROUTING PROGRAM IN VIRGINIA

In response to the mandates of SJR-155, several areas of discussion relative to required program criteria have been prepared to outline issues associated with the possible development of a routing system.

Risk Analysis Models

If the Commonwealth were to consider the development and implementation of a hazardous material routing program it would, as previously noted, have to be in compliance with the soon to be published (November 1991) federal DOT regulations. More than that, however, the state would have to develop a risk assessment program model to use as the basis for route selection. There are generally four types of risk models which can be used as the basis of such programs.

The least sophisticated of these is the Routing Indices model which develops a risk assessment based on a rating or scoring scheme. In general, roadway segments would be rated based on a numerical scale. Kansas State University used such a model in developing a routing analysis for the San Francisco Bay area. These types of models are easy to use, require minimal data and are particularly applicable for small communities. They do, however, lack precision.

Quantitative models can also be used in developing a risk analysis program. These models are based on product accident probabilities and accident consequences and use historical data to determine the future potential for an accident. While this type of program tends to be more suited than a rating program, it lacks universal application as accident data may not be available for all segments of roadway requiring application.

A risk analysis can also be developed using a Probabilistic type model. These models are based on accident rates per segment of roadway, probability distribution of accident forces, probability of quantities of hazardous materials released and probabilities of meteorological conditions. While this type of model can consider the probability of an incident for a combination of events, different transport modes and specific scenarios, it is hard to explain and thus

not useful for a program where you are trying to obtain widespread understanding.

The last of the potential models is the Network model such as currently being used in Colorado and Pennsylvania. This model requires the acquisition of risk factors for each segment of roadway being analyzed. Though the data required for this type of model is extensive, it allows the user to consider all possible routes and can apply either quantitative or probabilistic scenarios. It is this type of model which would be required to evaluate potential routes within the parameters to be established by federal DOT under the HMTA.

Public Perception In Developing a Routing Program

Development of a state-wide routing program would obviously require the input of citizens, industry representatives and trade associations. The issue of hazardous materials routing is a complex mix of political, regulatory, legal and technical issues. Consequently, development of any routing program would have to be developed with these factors in mind as public perception would play an important role.

Implementation of a routing program would have to be supported by historical events. As noted previously in this report, of the 1687 hazardous materials incidents reported in the Commonwealth in 1990, only 307 or 18 percent occurred on the highways. While many of these events were relatively minor in nature, the resulting traffic problems garnered the attention of the media and thus, the incidents were thrust into the public limelight. The 1989 edition of the Virginia Traffic Crash Facts reported that there were approximately 12,780 accidents involving vehicles which are the type (trucks, tractor-trailers) that normally carry hazardous materials. If the current federal DOT standard is used, 18 percent or 2,300 of those vehicles are likely to be carrying hazardous materials. Thus, the number of potential hazardous materials incidents is much greater than the actual number. It should also be noted that all hazardous materials incidents on highway do not result from vehicular accidents. In many cases, human error or equipment malfunction may result in the accidental release of these chemicals. The 1986 federal Office of Technology Assessment report on Transportation of Hazardous Materials found that more than 60 percent of the accidental releases of hazardous materials were the result of human error.

Another major factor that must be considered is the current success of the Commonwealth's emergency response capabilities. The U. S. Senate's Committee on Commerce, Science and Transportation recently recognized Virginia's hazardous materials response program as a model for nationwide development of similar programs in other states. They were particularly impressed by the level of state-wide expertise, cost effectiveness of the program and capability to respond to an incident in a timely manner. This is evidence that the Commonwealth does indeed have a strong response capability.

Given the facts that the number of actual incidents is low, most incidents are the result of human error which is not readily controllable and the capability of local and state level agencies to effectively respond to these events, the public would have to be gaged to determine if they would support the establishment of a routing program. In most cases the public expresses no major concern with routing unless it involves their jurisdiction. When one route is selected over another, those individuals who are adjacent to the route are likely to object. This raises the question of why a route should "go through our jurisdiction and not our neighbors". This type of dialogue is known as risk equity determination

Various trade associations, such as those in the manufacturing and transportation industries would have to be consulted. Generally speaking, these groups will be concerned with the economic impact of a routing program. The California Highway Patrol (CHP) found that after implementation of a "regionalized" routing program on over 15,000 miles of roadway in that state, there was no appreciable change in traffic patterns. According to one CHP official, the majority of transporters were using the routes prior to designation as they were the safest, quickest and easiest to use. Thus, many of the trade associations might argue, with certain accuracy, that hazardous materials are currently being transported by the safest route.

The development of any routing program will require an analytical framework which can be understood by the average citizen. This framework would need to include the methodology for routing decisions, criteria for selection and data that is used as the basis for the selection process. Public perception of a routing program will be based upon their ability to understand the need, parameters and justification for such as system.

Government Policy in Developing a Routing Program

In May of 1990, state and local government officials from around the nation gathered in St. Louis to discuss issues associated with the transportation of hazardous material. Among the participants were representatives from both Colorado and California, states with routing programs of some form. At this conference, these officials indicated that implementation of routing programs merits careful review and analysis. In the case of California, nearly 16,000 miles of roadway have been designated for hazardous materials routing but according to the California Highway Patrol, this has made a minimal impact on traffic flow. As was previously noted, it was explained that post implementation studies have found that the majority of trucks carrying hazardous materials used the selected routes prior to enactment of the program because they were the safest and easiest to use. These sentiments were echoed by Colorado representatives who indicated if they had it to do over again, they would not likely have implemented a routing program.

However, these officials indicated that lessons learned dictate that state and local officials answer some very fundamental questions if they intend to implement a routing program. These considerations include: Clearly defining the state concern for implementing such a program, the impact that routing would have on industry, what are the provisions for local pick-up and delivery off designated routes, how does the program affect inter- and intra-state commerce, what products will be affected, analytical evaluation of selected routes (Colorado uses two miles either side), how do you ensure too few versus too many routes and provisions for ensuring continuity between jurisdictions and adjacent states.

Officials also indicated the need for development of the enforcement aspects of such a program. This type of development should include: a means of route identification for users (Colorado uses maps and signs), the importance of keeping it very simple, education and documentation about the program for users, must be clear and concise to minimize the need or potential for interpretation and most importantly will it be enforced by all law enforcement agencies or just specially trained groups.

Finally, state and local officials should look at the potential disadvantages of such a system. Issues that must be explored include: will there be a greater accident risk by possibly having

products in transit for longer periods of time, what are the effects of increased product exposure in terms of environmental and accident consequences, how will increased transport times and costs affect business and industry and will routing cause a funnel effect where all of the dangerous chemicals are forced into a single area.

The state of Colorado had a very minimal response program in place prior to the enactment of the routing system. It was their intent to not only force hazardous materials shippers to use the safest routes but to have them move shipments in those areas that had at least some response capabilities. This would provide them with the capability of better responding to accidents when they occur as a routing program is not going to entirely eliminate the potential for accidents. Unlike Colorado, Virginia already has a successful hazardous materials response capability state-wide.

Financial Considerations

Development and implementation of a hazardous materials routing program in Virginia would not be inexpensive. As previously noted in this report, a major component to this effort would be the development of a risks analysis model to evaluate potential routes. This would require a one-time expenditure of more than 400,000 dollars. Coupled with this would be the maintenance of an on-going program to provide for route designation and enforcement. While no figures are readily available for the Commonwealth, the State of Colorado with a road system approximately two-thirds the size of Virginia, spends over 500,000 dollars annually on this program. To offset the cost of this they have developed a permitting fee system for hazardous materials shippers. However, the revenues from this permitting system does not cover the full cost of program management.

The recently reauthorized HMTA included funding provisions for grants to states in support of planning and training programs. The legislation specifically provided for funding for the "surveying of routes", among other items. Appropriations amounting to 10.6 million for FY 1990, 12 million for FY 1991 and 12 million for FY 92 were approved. Given the national attention to the issues associated with hazardous materials, it is unknown how much funding might be available to Virginia to support development of a routing program. It is expected that many of the states will be seeking financial support for hazardous materials training and planning activities.

FINDINGS

The mandates of Senate Joint Resolution No. 155 required that the Departments of Emergency Services and Waste Management in coordination, determine the threat of hazardous materials to the health and safety of Virginia's citizens and quality of environment. In addition, it required that these agencies determine criteria for the development of a hazardous materials routing program in the state. As a result of these actions the following findings are presented:

1. Approximately one-third, or 352 of the 1,085 chemicals considered by the federal government to be either hazardous or extremely hazardous substances are manufactured, stored and transported in the Commonwealth.
2. The number of hazardous materials incidents reported in the Commonwealth has increased nearly tenfold since 1983. Much of this increase can be attributed to new federal release reporting requirements under SARA Title III.
3. The greatest majority of these incidents during the past four years have involved Fixed Facility (31%) and Highway (17%) related releases. The types of chemicals most often released are Flammable Liquids (64%).
4. The state and local capability to respond to hazardous materials incidents in the Commonwealth is good. Virginia's Hazardous Materials Response Program is considered to be the national model.
5. Virginia's hazardous material training program for public safety personnel is considered among the best in the nation, offering varying levels of expertise.
6. Training for private-sector workers involved in hazardous materials related operations exists and is getting better.

(continued)

7. The Superfund Amendments and Reauthorization Act (SARA) of 1986 has provide the Commonwealth with the responsibility and authority for monitoring the use and release of selected hazardous materials, those thought to pose the greatest risk to citizens and environment.
8. Emergency planning and community right-to-know programs have forced industry and government to work together in a partnership towards preparing for chemical emergencies. This has included provisions for ensuring the public is adequately informed of the hazards associated with the use of these chemicals in Virginia's businesses and industries.
9. New federal initiatives related to the Hazardous Materials Transportation Act (HMTA) will be providing states with detailed guidance to support the development of hazardous materials routing programs. This guidance should be available on or before November 16, 1991, and Virginia will be subject to the provisions of this Act.
10. Development of either state-wide or regional hazardous materials routing programs for highways would require legislative action, development of risk analysis programs, and creation of administrative management capabilities. A significant dedication of financial resources would be required to support either type of effort.
11. Limited funding from the Federal government or a fee permitting system could assist in meeting financial obligations.
12. Routing programs established in other states have not resulted in appreciable changes to traffic patterns as the majority of highway hazardous materials transporters use the safest routes as they are generally the easiest.
13. The majority of hazardous materials incidents (60%) result from human error, a factor not easily controllable.

APPENDIX A

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

The two lists of chemical substances that are the focus of this study are the list of "extremely hazardous substances" (EHSs) designated by Section 302 of SARA Title III and the list of "hazardous substances" designated by Section 101(14) of the Comprehensive Environmental Resource and Conservation Liability Act (CERCLA). The list of extremely hazardous substances and the threshold planning quantities assigned to each substance are intended to assist communities in identifying those facilities and substances of the most immediate concern for emergency planning and response. CERCLA hazardous substances are those which, when released into the environment, may present substantial danger to the public health or welfare or the environment; some hazardous wastes are also included on this list. Eight-five chemical substances are common to both lists. Appendix A lists by county those EHS and CERCLA chemicals reported to the Bureau of Toxic Substances Information of the Department of Health as being present within Virginia.

COUNTY: ACCOMACK

ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMMONIUM BICHROMATE	7789095
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
CADMIUM	7440439
COPPER	7440508
FORMALDEHYDE	50000
HYDROQUINONE	123319
LEAD	7439921
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TRICHLOROPHENOL	25167822
ZINC	7440666
ZINC NITRATE	7779886
ZINC SULFATE	7733020

COUNTY: ALBEMARLE

1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROPROPANE	78875
ACETIC ACID	64197
ACETONE	67641

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ACRYLONITRILE	107131
AMMONIA	7664417
AMMONIUM BIFLUORIDE	1341497
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
ANTIMONY	7440360
ARSENIC	7440382
ARSENIC OXIDE	1327533
ARSENOUS OXIDE	1327533
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZYL CYANIDE	140294
BORON TRIFLUORIDE	7637072
BROMINE	7726956
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CHLORINE	7782505
CHLOROACETIC ACID	79118
CHLOROBENZENE	108907
CHLOROFORM	67663
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIETHYLAMINE	109897
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ETHER	60297
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13814965
MERCURIC CHLORIDE	7487947
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
MONOMETHYLAMINE	74895
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NAPHTHALENE	91203
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHENOL	108952
PHOSPHORIC ACID	7664382
PHTHALIC ANHYDRIDE	85449
PIPERIDINE	110894
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PYRIDINE	110861
RESORCINOL	108463
SILVER	7440224
SODIUM	7440235
SODIUM AZIDE	26628228
SODIUM BICHROMATE	10588019
SODIUM BIFLUORIDE	1333831
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
STRONTIUM CHROMATE	7789062
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
THIOUREA	62566
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207
ZINC ACETATE	557346
ZINC AMMONIUM CHLORIDE	52628258
COUNTY: ALLEGHANY	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROPROPANE	78875
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
ANTIMONY TRIOXIDE	1309644
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CADMIUM OXIDE	1306190
CALCIUM HYPOCHLORITE	7778543
CARBAMIC ACID, ETHYL ESTER	51796
CHLORINE	7782505
CHLOROFORM	67663
ETHYL ACETATE	141786
ETHYLENE THIOUREA	96457
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
SEC-BUTYL ACETATE	105464
SODIUM	7440235
SODIUM HYDROXIDE	1310732

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TRICHLOROETHYLENE	79016
XYLENE (MIXED ISOMERS)	1330207
COUNTY: AMELIA	
2,4-D	94757
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
CADMIUM	7440439
CHROMIUM	7440473
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
DISULFOTON	298044
DISULTOTON	298044
ETHOPROPHOS	13194484
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
HYDROQUINONE	123319
ISOPHRONE	78591
LEAD	7439921
MERCURY	7439976
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: AMHERST		
	AMMONIUM HYDROXIDE	1336216
	AMYL ACETATE	628637
	CHROMIUM	7440473
	FORMALDEHYDE	50000
	HYDROCHLORIC ACID	7647010
	HYDROGEN SULFIDE	7783064
	HYDROQUINONE	123319
	LEAD	7439921
	METHANOL	67561
	N-BUTYL ALCOHOL	71363
	NICKEL	7440020
	NITRIC ACID	7697372
	PHOSPHORIC ACID	7664382
	PHOSPHORUS	7723140
	POTASSIUM HYDROXIDE	1310583
	SILVER	7440224
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SODIUM HYPOCHLORITE	7681529
	SULFUR TRIOXIDE	7446119
	SULFURIC ACID	7664939
	TETRACHLOROETHYLENE	127184
	TOLUENE	108883
	XYLENE (MIXED ISOMERS)	1330207
	ZINC	7440666
COUNTY: APPOMATTOX		
	AMYL ACETATE	628637
	BUTYL ACETATE	123864
	CHROMIUM	7440473
	FORMALDEHYDE	50000
	HYDROQUINONE	123319
	METHYL ISOBUTYL KETONE	108101
	NICKEL	7440020
	PHOSPHORUS	7723140
	POTASSIUM HYDROXIDE	1310583
	SILVER	7440224

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM HYDROXIDE	1310732
STYRENE	100425
TOLUENE	108883
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
COUNTY: ARLINGTON	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIUM BICHROMATE	7789095
AMMONIUM THIOCYANATE	1762954
COPPER	7440508
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
METHANOL	67561
N-DIOCTYLPHTHALATE	117840
N-NITROSODIETHANOLAMINE	1116547
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC NITRATE	7779886
COUNTY: AUGUSTA	
1,1,1-TRICHLOROETHANE	71556

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
1,4-DIOXANE	123911
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ALUMINUM PHOSPHIDE	20859738
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CARBAMATE	1111780
AMMONIUM CARBONATE	506876
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BROMINE	7726956
BUTYL ACETATE	123864
CADMIUM	7440439
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACLORO-	8001352
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
CUPRIC CHLORIDE	7447394
CUPRIC NITRATE	3251238
CUPRIC SULFATE	7758987
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHOATE	60515
DIMETHYL PHTHALATE	131113
EDTA	60004
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ETHER	60297
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FERRIC NITRATE	10421484

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
FERROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPYLENE OXIDE	75569
SEC-BUTYL ACETATE	105464
SELENIOUS ACID	7783008
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7758294
SODIUM SELENITE	10102188
STYRENE	100425
SULFUR TRIOXIDE	7446119

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SULFURIC ACID	7664939
TITANIUM TETRACHLORIDE	7550450
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC NITRATE	7779886
ZINC SULFATE	7733020
COUNTY: BATH	
1,1,1-TRICHLOROETHANE	71556
ACETONE	67641
ALUMINUM SULFATE	10043013
BUTYL BENZYL PHTHALATE	85687
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
ETHYL ACETATE	141786
HYDROGEN PEROXIDE	7722841
ISOPHRONE	78591
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
NAPHTHALENE	91203
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
STYRENE	100425
SULFURIC ACID	7664939
TOLUENE	108883
TRICHLOROMONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
COUNTY: BEDFORD	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROETHANE	107062
ACETONE	67641
AMMONIUM CHLORIDE	12125029

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHLORINE	7782505
CHROMIUM	7440473
COUMAPHOS	56724
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
FERRIC SULFATE	10028225
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
NICKEL	7440020
PHOSPHINE	7803512
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SODIUM HYDROXIDE	1310732
SODIUM SELENITE	10102188
SULFURIC ACID	7664939
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
COUNTY: BLAND	
PHOSPHORIC ACID	7664382
SODIUM HYDROXIDE	1310732
XYLENE (MIXED ISOMERS)	1330207
COUNTY: BOTETOURT	
CHROMIUM	7440473
CUPRIC SULFATE	7758987
ETHYL ACETATE	141786
HYDROFLUORIC ACID	7664393
METHYL ETHYL KETONE	78933
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	SILVER	7440224
	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
	TOLUENE	108883
	XYLENE (MIXED ISOMERS)	1330207
	ZINC	7440666
	ZINC SULFATE	7733020
COUNTY: BRUNSWICK		
	2,4-D	94757
	AMMONIA	7664417
	AMMONIUM FLUORIDE	12125018
	CAMPHENE, OCTACHLORO-	8001352
	CAMPHENE, OCTACHLORO-	8001352
	CUPRIC SULFATE	7758987
	DICAMBA	1918009
	DISULFOTON	298044
	DISULTOTON	298044
	ETHOPROPHOS	13194484
	FERROUS SULFATE	7720787
	FORMALDEHYDE	50000
	HYDROQUINONE	123319
	PHOSPHORUS	7723140
	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
	ZINC SULFATE	7733020
COUNTY: BUCHANAN		
	ALUMINUM SULFATE	10043013
	CHROMIUM	7440473
	HYDROQUINONE	123319
	NICKEL	7440020
	POTASSIUM HYDROXIDE	1310583
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SULFUR TRIOXIDE	7446119
	SULFURIC ACID	7664939

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: BUCKINGHAM	
2,4-D	94757
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CUPRIC SULFATE	7758987
DICAMBA	1918009
DISULFOTON	298044
DISULTOTON	298044
ETHOPROPHOS	13194484
FERROUS SULFATE	7720787
METHYL ETHYL KETONE	78933
PHENOL	108952
PHOSPHORUS	7723140
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
ZINC SULFATE	7733020
COUNTY: CAMPBELL	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ACRYLAMIDE	79061
ACRYLONITRILE	107131
AMMONIA	7664417
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
ARSENIC ACID	7778394
ASBESTOS (FRIABLE)	1332214
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
CADMIUM	7440439
CALCIUM CARBIDE	75207

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CALCIUM HYPOCHLORITE	7778543
CARBON TETRACHLORIDE	56235
CHLORINE	7782505
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CUPRIC NITRATE	3251238
CYCLOHEXANONE	108941
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
DODECYLBENZENESULFONIC ACID	27176870
ETHANOL, 2-ETHOXY-	110805
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LINDANE	58899
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
VINYLDENE CHLORIDE	75354
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CYANIDE	557211
ZINC NITRATE	7779886
COUNTY: CAROLINE	
1,4-DIOXANE	123911
AMMONIA	7664417
ARSENIC ACID	7778394
CALCIUM HYPOCHLORITE	7778543
CHLORINE	7782505
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
FERRIC CHLORIDE	7705080
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
METHYL ETHYL KETONE	78933

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
N-BUTYL ALCOHOL	71363
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: CARROLL	
2,4-D	94757
ACETIC ACID	64197
BUTYL ACETATE	123864
CHROMIUM	7440473
DICAMBA	1918009
METHYL ETHYL KETONE	78933
NICKEL	7440020
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
COUNTY: CHARLOTTE	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
HYDROGEN PEROXIDE	7722841
LINDANE	58899
METHYL ETHYL KETONE	78933

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ISOBUTYL KETONE	108101
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
XYLENE (MIXED ISOMERS)	1330207
COUNTY: CHESTERFIELD	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ADIPIC ACID	124049
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
ANTIMONY	7440360
ANTIMONY TRIOXIDE	1309644
AZIRIDINE	151564
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZOIC ACID	65850
BERYLLIUM	7440417
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
BUTYLAMINE	109739
CARBON DISULFIDE	75150
CHLORINE	7782505
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CUMENE	98828
CUPRIC ACETATE	142712
CUPRIC CHLORIDE	7447394
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MALEIC ACID	110167
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NAPHTHALENE	91203
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHURUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SILVER CYANIDE	506649
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
SULFURIC ACID (FUMING)	8014957
TETRACHLOROETHYLENE	127184

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
TOLUENE	108883
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC SULFATE	7733020
COUNTY: CLARKE	
ACETONE	67641
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
COPPER	7440508
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHthalate	117840
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SODIUM HYDROXIDE	1310732
STYRENE	100425
TOLUENE	108883
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: CRAIG	
ACETONE	67641
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
ETHYL ACETATE	141786
FORMALDEHYDE	50000
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
PHOSPHORIC ACID	7664382
SEC-BUTYL ACETATE	105464
XYLENE (MIXED ISOMERS)	1330207
COUNTY: CULPEPER	
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ACROLEIN	107028
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM THIOCYANATE	1762954
ASBESTOS (FRIABLE)	1332214
BERYLLIUM	7440417
BUTYL ACETATE	123864
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBARYL	63252
CARBOFURAN	1563662
CHLORINE	7782505
CHROMIC ACID	11115745

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHROMIUM	7440473
COPPER	7440508
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
DISULFOTON	298044
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
FERROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
LEAD	7439921
METHANOL	67561
METHOMYL	16752775
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
NICKEL	7440020
PARATHION	56382
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	TRICHLOROETHYLENE	79016
	VINYL ACETATE	108054
	VINYL CHLORIDE	75014
	ZINC SULFATE	7733020
COUNTY: CUMBERLAND	2,4-D	94757
	CAMPHENE, OCTACHLORO-	8001352
	CUPRIC SULFATE	7758987
	DICAMBA	1918009
	DISULTOTON	298044
	FERROUS SULFATE	7720787
	PHOSPHORIC ACID	7664382
	PHOSPHORUS	7723140
	TOLUENE	108883
	ZINC SULFATE	7733020
COUNTY: DICKENSON	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SULFUR TRIOXIDE	7446119
COUNTY: DINWIDDIE	ADIPIC ACID	124049
	DI(2-ETHYLHEXYL) PHTHALATE	117817
	METHYL ETHYL KETONE	78933
	SODIUM	7440235
	SODIUM DODECYLBENZENESULFONATE	25155300
	SULFUR TRIOXIDE	7446119
	TRICHLOROETHYLENE	79016
COUNTY: ESSEX	1,1,1-TRICHLOROETHANE	71556
	2,4-D	94757
	ACETIC ACID	64197
	CAMPHENE, OCTACHLORO-	8001352
	CAMPHENE, OCTACHLORO-	8001352
	CUPRIC SULFATE	7758987
	DICHLOROMETHANE	75092

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
DISULFOTON	298044
DISULTOTON	298044
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
METHANOL	67561
PHOSPHORIC ACID	7664382
SULFURIC ACID	7664939
TOLUENE	108883
ZINC SULFATE	7733020
COUNTY: FAIRFAX	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMINOPTERIN	54626
AMMONIA	7664417
AMMONIUM BICARBONATE	1066337
AMMONIUM BICHROMATE	7789095
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYAMATE	1762954
AMMONIUM VANADATE	7803556
AMYL ACETATE	628637
ASBESTOS (FRIABLE)	1332214
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BERYLLIUM	7440417
BETA-PROPIOLACTONE	57578
BUTYL ACETATE	123864
CADMIUM	7440439
CHLOROBENZENE	108907
CHROMIC ACID	7738945
CHROMIUM	7440473

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC CHLORIDE	7447394
CUPRIC SULFATE	7758987
CYANIDES	57125
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIETHYL PHTHALATE	84662
DIMETHYL PHTHALATE	131113
EDTA	60004
EPICHLOROHYDRIN	106898
ERGOCALCIFEROL	50146
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ETHER	60297
FERRIC AMMONIUM CITRATE	1185575
FERRIC CHLORIDE	7705080
FERRIC NITRATE	10421484
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN CYANIDE	74908
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13814965
M-CRESOL	108394
MERCURIC CHLORIDE	7487947
METHANOL	67561
METHYL ETHYL KETONE	78933

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-NITROSODIETHANOLAMINE	1116547
NICKEL	7440020
NICKEL CHLORIDE	7718549
NITRIC ACID	7697372
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CHROMATE	7789006
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
SACCHARIN	81072
SELENIOUS ACID	7783008
SILVER	7440224
SODIUM	7440235
SODIUM AZIDE	26628228
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
SODIUM SELENITE	10102188
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE-2,4-DIISOCYANATE	584849
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC CHLORIDE	7646857
ZINC NITRATE	7779886

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	ZINC SULFATE	7733020
COUNTY: FAUQUIER	2,4-D	94757
	ACETIC ACID	64197
	ACETONE	67641
	AMMONIA	7664417
	AMMONIUM CHLORIDE	12125029
	AMMONIUM CITRATE, DIBASIC	3012655
	AMMONIUM THIOCYANATE	1762954
	AMMONIUM VANADATE	7803556
	AMYL ACETATE	628637
	CADMIUM	7440439
	CAMPHENE, OCTACHLORO-	8001352
	CAMPHENE, OCTACHLORO-	8001352
	CARBON TETACHLORIDE	56235
	CHLOROFORM	67663
	CHROMIC ACID	7778509
	CUPRIC SULFATE	7758987
	DICAMBA	1918009
	EDTA	60004
	ETHYL ACETATE	141786
	FERRIC CHLORIDE	7705080
	FERROUS AMMONIUM SULFATE	10045893
	FERROUS SULFATE	7782630
	FORMALDENYDE	50000
	FORMIC ACID	64186
	HYDROCHLORIC ACID	7647010
	HYDROQUINONE	123319
	MERCURIC NITRATE	10045940
	METHANOL	67561
	METHYL ETHYL KETONE	78933
	NAPTHALENE	91203
	NICKEL	7440020
	NITRIC ACID	7697372
	O-TOLIDINE	119937
	PHOSPHORIC ACID	7664382
	PHOSPHORUS	7723140
	POTASSIUM CYANIDE	151508

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
ZINC SULFATE	7733020
COUNTY: FLOYD	
ACETONE	67641
CYCLOHEXYLAMINE	108918
ISOPROPYL ALCONOL	78831
METHANOL	67561
METHYL ISOBUTYL KETONE	108101
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7758294
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
COUNTY: FLUVANNA	
1,1,1-TRICHLOROETHANE	71556
ALUMINUM SULFATE	10043013
CYCLOHEXYLAMINE	108918
DICHLOROMETHANE	75092
METHYL ETHYL KETONE	78933
SODIUM HYDROXIDE	1310732
SULFURIC ACID	7664939
TOLUENE	108883

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: FRANKLIN	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACETONE	67641
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ARSENIC ACID	7778394
ASBESTOS (FRIABLE)	1332214
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CALCIUM HYPOCHLORITE	7778543
CHROMIUM	7440473
COPPER	7440508
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHENOL	108952
PHENYLMERCURIC ACETATE	62384
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
COUNTY: FREDERICK	
1,1,1-TRICHLOROETHANE	71556
1,1,2-TRICHLOROETHANE	79005
4,4'-METHYLENEBIS(2-CHLOROANILINE)	101144
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
CHROMIUM	7440473
COPPER	7440508
CUPRIC SULFATE	7758987

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
ETHYL ACETATE	141786
ETHYL ETHER	60297
FERRIC NITRATE	10421484
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13826830
MALEIC ACID	110167
MERCURIC NITRATE	10045940
MERCURIC THIOCYANATE	592858
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM CACODYLATE	124652
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
TRICHLOROETHYLENE	79016
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: GILES	
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
ACETOPHENONE	98862
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
ANTIMONY	7440360
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
CALCIUM HYPOCHLORITE	7778543
CHLORINE	7782505
CHROMIUM	7440473
DICHLOROMETHANE	75092
ETHYL ACETATE	141786
FERRIC SULFATE	10028225
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
N-BUTYL PHTHALATE	84742
NICKEL	7440020
NITRIC ACID	7697372
NITROGEN DIOXIDE	10544726
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM CYANIDE	143339
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, DIBASIC	7558794

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
COUNTY: GLOUCESTER	
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
AMMONIA	7664417
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
CARBARYL	63252
CHLOROXYURON	1982477
CHROMIUM	7440473
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICAMBA	1918009
FORMALDEHYDE	50000
HYDROQUINONE	123319
METHANOL	67561
METHONYL	16752775
METHYL ETHYL KETONE PEROXIDE	1338234
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
TRICHLOROETHYLENE	79016

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: GOOCHLAND	2,4-D	94757
	DISULFOTON	298044
	DISULTOTON	298044
	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
COUNTY: GRAYSON	1,1,1-TRICHLOROETHANE	71556
	1,4-DIOXANE	123911
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
	BUTYL ACETATE	123864
	BUTYL BENZYL PHTHALATE	85687
	CHROMIUM	7440473
	COPPER	7440508
	DI(2-ETHYLHEXYL) PHTHALATE	117817
	DICHLOROMETHANE	75092
	DIMETHYL PHTHALATE	131113
	ETHYL ACETATE	141786
	FERRIC CHLORIDE	7705080
	HYDROCHLORIC ACID	7647010
	ISO-BUTYL ACETATE	110190
	MALEIC ACID	110167
	METHANOL	67561
	METHYL ETHYL KETONE	78933
	METHYL ETHYL KETONE PEROXIDE	1338234
	METHYL ISOBUTYL KETONE	108101
	N-BUTYL ALCOHOL	71363
	N-BUTYL PHTHALATE	84742
	NITRIC ACID	7697372
	PHOSPHORIC ACID	7664382
	PHOSPHORUS	7723140
	POTASSIUM HYDROXIDE	1310583
	SODIUM HYDROXIDE	1310732
	STYRENE	100425

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	SULFURIC ACID	7664939
	TETRACHLOROETHYLENE	127184
	TOLUENE	108883
	TRICHLOROMONOFUOROMETHANE	75694
	TRIMETHYLAMINE	75503
	XYLENE (MIXED ISOMERS)	1330207
	ZINC	7440666
COUNTY: GREENE	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
COUNTY: GREENSVILLE	1,1,1-TRICHLOROETHANE	71556
	ACETONE	67641
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	ARSENIC ACID	7778394
	CYCLOHEXYLAMINE	108918
	DICHLOROMETHANE	75092
	FORMALDEHYDE	50000
	HYDRAZINE	302012
	ISOPROPYL ALCOHOL	78831
	METHANOL	67561
	PHENOL	108952
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SODIUM NITRITE	7632000
	SODIUM PHOSPHATE, TRIBASIC	7758294
	SULFUR TRIOXIDE	7446119
	TRIETHYLAMINE	121448
COUNTY: HALIFAX	1,1,1-TRICHLOROETHANE	71556
	ACETONE	67641
	ACRYLONITRILE	107131
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
ANTIMONY	7440360
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CADMIUM OXIDE	1306190
CHROMIC ACID	11115745
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CUMENE	98828
CYCLOHEXYLAMINE	108918
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIGLYCIDYL ETHER	2238075
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ACRYLATE	140885
ETHYL ETHER	60297
ETHYLENEDIAMINE	107153
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NAPHTHALENE	91203
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
NITRIC OXIDE	10102439
PHENOL	108952

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
POTASSIUM SILVER CYANIDE	506616
POTASSIUM SILVER CYANIDE	506616
SEC-BUTYL ACETATE	105464
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROMONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
COUNTY: HANOVER	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICROMATE	7789095
AMMONIUM BIFLUORIDE	1341497
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
ARSENIC	7440382
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CHLORINE	7782505
CHROMIUM	7440473
COPPER	7440508

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CUPRIC NITRATE	3251238
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
DISULFOTON	298044
DISULTON	298044
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYLENE OXIDE	75218
ETHYLENEDIAMINE	107153
FORMALDEHYDE	50000
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
MALEIC ACID	110167
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NICKEL	7440020
NITRIC ACID	7697372
PARAQUAT	1910425
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CHROMATE	7789006
POTASSIUM HYDROXIDE	1310583
SELENIUM	7782492
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019

APPENDIX A - ENS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM BISULFITE	7631905
SODIUM CHROMATE	7775113
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
TERBUFOS	13071799
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRINCLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC NITRATE	7779886
ZINC SULFATE	7733020
COUNTY: HENRICO	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROETHANE	107062
1,2-DICHLOROPROPANE	78875
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY	7440360
ARSENIC PENTOXIDE	1303282
ARSINE	7784421
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
BUTYLAMINE	109739
CALCIUM CARBIDE	75207
CARBARYL	63252
CARBON TETACHLORIDE	56235
CHLORINE	7782505
CHLOROBENZENE	108907
CHLORPYRIFOS	2921882
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CREOSOTE	8001589
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
CYANIDES	57125
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DICHLOROVOS	62737
DIMETHYL PHTHALATE	131113
EPICHLORHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13814965
LEAD SULFATE	7446142
MALATHION	121755
MERCURIC ACETATE	1600277
MERCURY	7439976
METHANOL	67561
METHOXYCHLOR	72435
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
MONOETHYLAMINE	75047
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHthalATE	117840
N-NITROSODIETHANOLAMINE	1116547
NALED	300765
NAPHTHALENE	91203
NICKEL	7440020
NICKEL SULFATE	7786814
NITRIC ACID	7697372
NITROBENZENE	98953
PENTACHLOROPHENOL	87865
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PYRETHRINS	8003347

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PYRIDINE	110861
SACCHARIN	81072
SELENIOUS ACID	7783008
SELENIUM	7782492
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BIFLUORIDE	1333831
SODIUM BISULFITE	7631905
SODIUM CHROMATE	7775113
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIOUREA	62566
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRIETHANOLAMINE DODECYLBENZENE SULFONATE	27323417
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
COUNTY: HENRY	
1,1,1-TRICHLOROETHANE	71556
2,3,4,6-TETRACHLOROPHENOL	58902
ACETIC ACID	64197
ACETONE	67641
ADIPIC ACID	124049
ALUMINUM SULFATE	10043013

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ARSENIC ACID	7778394
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CADMIUM	7440439
CHLORINE	7782505
CHLORPYRIFOS	2921882
CHROMIUM	7440473
COPPER	7440508
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DIAZINON	333415
DICHLOROMETHANE	75092
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PENTACHLOROPHENOL	87865
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
RESORCINOL	108463
SEC-BUTYL ACETATE	105464
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRIETHYLAMINE	121448
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
COUNTY: HIGHLAND	
ACETIC ACID	64197
AMMONIUM BICHROMATE	7789095
AMMONIUM THIOCYANATE	1762954
HYDROQUINONE	123319
PHOSPHORIC ACID	7664382
SULFURIC ACID	7664939
ZINC NITRATE	7779886

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

COUNTY:	ISLE OF WIGHT	
	ALUMINUM SULFATE	10043013
	AMMONIUM HYDROXIDE	1336216
	AMYL ACETATE	628637
	ANTIMONY	7440360
	ASBESTOS (FRIABLE)	1332214
	CHLORINE	7782505
	CHROMIUM	7440473
	CYCLOHEXANE	110827
	DICHLOROMETHANE	75092
	FORMALDEHYDE	50000
	LEAD	7439921
	METHANOL	67561
	NICKEL	7440020
	PHENOL	108952
	PHOSPHORIC ACID	7664382
	PHOSPHORUS	7723140
	SILVER	7440224
	SODIUM HYDROXIDE	1310732
	SODIUM HYPOCHLORITE	7681529
	SULFURIC ACID	7664939
	TOLUENE	108883
	XYLENE (MIXED ISOMERS)	1330207
COUNTY:	JAMES CITY	
	1,1,1-TRICHLOROETHANE	71556
	ACETIC ACID	64197
	ACRYLONITRILE	107131
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	CHLORINE	7782505
	CUPRIC CHLORIDE	7447394
	DI(2-ETHYLHEXYL) PHTHALATE	117817
	DICHLORODIFLUOROMETHANE	75718
	FERRIC CHLORIDE	7705080
	FORMALDEHYDE	50000
	FORMIC ACID	64186

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
ISOPROPYL ALCOHOL	78831
LINDANE	58899
METHANOL	67561
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	10101890
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TRICHLOROETHYLENE	79016
VINYL ACETATE	108054
ZINC	7440666
ZINC CHLORIDE	7646857
COUNTY: KING & QUEEN	
ASBESTOS (FRIABLE)	1332214
LINDANE	58899
METHYL ETHYL KETONE	78933
ZINC	7440666
COUNTY: KING GEORGE	
ACETIC ACID	64197
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
CAMPHENE, OCTACHLORO-	8001352
CHLORINE	7782505
CYCLOHEXYLAMINE	108918
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN SULFIDE	7783064
METHANOL	67561
METHYL MERCAPTAN	74931
SODIUM	7440235

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	SULFUR DIOXIDE	7446095
	SULFUR TRIOXIDE	7446119
	SULFURIC ACID	7664939
COUNTY: KING WILLIAM		
	1,1,1-TRICHLOROETHANE	71556
	2,4-D	94757
	ACETIC ACID	64197
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	CAMPHENE, OCTACLORO-	8001352
	CHLORINE	7782505
	COPPER	7440508
	DICAMBA	1918009
	DICHLOROMETHANE	75092
	ETHYL ACETATE	141786
	HYDROCHLORIC ACID	7647010
	HYDROGEN SULFIDE	7783064
	METHANOL	67561
	METHYL ISOBUTYL KETONE	108101
	METHYL MERCAPTAN	74931
	N-BUTYL ALCOHOL	71363
	PCP	88857
	PHOSPHORIC ACID	7664382
	POTASSIUM HYDROXIDE	1310583
	SILVER NITRATE	7761888
	SODIUM	7440235
	SODIUM BISULFITE	7631905
	SODIUM HYDROSULFIDE	16721805
	SODIUM HYDROXIDE	1310732
	SODIUM PHOSPHATE, TRIBASIC	10101890
	SULFURIC ACID	7664939
	TRICHLOROPHENOL	25167822
	KYLENE (MIXED ISOMERS)	1330207
COUNTY: LANCASTER		
	ACETIC ACID	64197
	CARBON DISULFIDE	75150

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	CARBON TETRACHLORIDE	56235
	HYDROCHLORIC ACID	7647010
	HYDROQUINONE	123319
	NITRIC ACID	7697372
	PHOSPHINE	7803512
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SULFUR DIOXIDE	7446095
	SULFUR TRIOXIDE	7446119
	TRICHLOROPHENOL	25167822
COUNTY: LEE	ACETIC ACID	64197
	AMMONIUM THIOCYANATE	1762954
	METHANOL	67561
	POTASSIUM HYDROXIDE	1310583
	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
	SULFURIC ACID	7664939
	TOLUENE	108883
	XYLENE (MIXED ISOMERS)	1330207
COUNTY: LOUDOUN	1,1,1-TRICHLOROETHANE	71556
	2,4-D	94757
	4,4'-METHYLENEBIS(2-CHLOROANILINE)	101144
	ACETIC ACID	64197
	ACETONE	67641
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
	BROMOMETHANE	74839
	BUTYL ACETATE	123864
	BUTYL BENZYL PHTHALATE	85687
	CAMPHENE, OCTACHLORO-	8001352
	CAMPHENE, OCTACHLORO-	8001352
	CARBARYL	63252
	CARBOFURAN	1563662

APPENDIX A - ENS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CARBON TETACHLORIDE	56235
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER CYANIDE	544923
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DISULFOTON	298044
DISULTOTON	298044
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MALATHION	121755
METHANOL	67561
METHYL BROMIDE	74839
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-NITROSODIETHANOLAMINE	1116547
NICKEL	7440020
NICKEL CHLORIDE	7718549
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TOLUENE-2,4-DIISOCYANATE	584849
TOLUENE-2,6-DIISOCYANATE	91087
TOLUENE-2,6-DIISOCYANTE	91087
TRICHLOROETHYLENE	79016
TRINCLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: LOUISA	
2,4-D	94757
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACLORO-	8001352
CHLORINE	7782505
CHROMIUM	7440473
COPPER	7440508
CYCLOHEXYLAMINE	108918
DICAMBA	1918009
DISULFOTON	298044
DISULTOTON	298044
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDRAZINE	302012
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: LUNENBURG	
ACETIC ACID	64197
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CHROMIUM	7440473
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROGEN PEROXIDE	7722841
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
SEC-BUTYL ACETATE	105464
SILVER	7440224
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFURIC ACID	7664939
TOLUENE	108883
TRIETHYLAMINE	121448
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
COUNTY: MADISON	
1,2-DICHLOROBENZENE	95501
2,4-D	94757
ACETONE	67641
AMMONIUM BIFLUORIDE	1341497
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CRESOL (MIXED ISOMERS)	1319773
DICHLOROMETHANE	75092
DODECYLBENZENESULFONIC ACID	27176870
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
SEC-BUTYL ACETATE	105464
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFURIC ACID	7664939
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: MATHEWS	
DICHLOROMETHANE	75092
FURAN, TETRAHYDRO-	109999
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
COUNTY: MECKLENBURG	
1,1,1-TRICHLOROETHANE	71556
1,2,4-TRICHLOROBENZENE	120821
1,4-DICHLOROBENZENE	106467
ACETIC ACID	64197
ACETONE	67641
ACRYLAMIDE	79061
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
CHROMIUM	7440473
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXYLAMINE	108918
DICHLOROMETHANE	75092

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPHORONE DIISOCYANATE	4098719
METHANOL	67561
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
NICKEL	7440020
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
SILVER	7440224
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
COUNTY: MIDDLESEX	
1,2-DICHLOROPROPANE	78875
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
CREOSOTE	8001589
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
ETHANOL, 2-ETHOXY-	110805
FERRIC FLUORIDE	7783508

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
FORMALDEHYDE	50000
HYDROQUINONE	123319
METHANOL	67561
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
COUNTY: MONTGOMERY	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
4,4'-METHYLENEBIS(2-CHLOROANILINE)	101144
ACETIC ACID	64197
ACETONE	67641
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CHROMIC ACID	7738945
CHROMIUM	7440473
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
DIURON	330541
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ETHYL ACETATE	141786
FERRIC CHLORIDE	7705080
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD FLUOBORATE	13814965
LINDANE	58899
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NITRIC ACID	7697372
O-CRESOL	95487
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CHROMATE	7789006
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM SILVER CYANIDE	506616
POTASSIUM SILVER CYANIDE	506616
SILVER CYANIDE	506649
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM CYANIDE	143339
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	SULFUR TRIOXIDE	7446119
	SULFURIC ACID	7664939
	TOLUENE	108883
	TOLUENE-2,4-DIISOCYANATE	584849
	TRICHLOROETHYLENE	79016
	TRICHLOROMONOFUOROMETHANE	75694
	XYLENE (MIXED ISOMERS)	1330207
COUNTY: NELSON		
	ACETIC ACID	64197
	ANTIMONY	7440360
	CHROMIUM	7440473
	DICHLOROMETHANE	75092
	NICKEL	7440020
	PHOSPHORUS	7723140
	POTASSIUM HYDROXIDE	1310583
	SILVER	7440224
	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
COUNTY: NEW KENT		
	ARSENIC ACID	7778394
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SULFUR TRIOXIDE	7446119
COUNTY: NORTHAMPTON		
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	ASBESTOS (FRIABLE)	1332214
	METHYL ISOBUTYL KETONE	108101
	PHOSPHORIC ACID	7664382
	PHOSPHORUS PENTOXIDE	1314563
	STYRENE	100425
	TOLUENE	108883
COUNTY: NORTHUMBERLAND		
	AMMONIA	7664417
	HYDROQUINONE	123319

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
POTASSIUM HYDROXIDE	1310583
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TRICHLOROPHENOL	25167822
COUNTY: NOTTOWAY	
2,4-D	94757
ACETIC ACID	64197
AMMONIUM THIOCYANATE	1762954
BUTYL ACETATE	123864
CUPRIC SULFATE	7758987
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DISULFOTON	298044
DISULTOTON	298044
ETHANOL, 2-ETHOXY-	110805
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
FERROUS SULFATE	7720787
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM BICHROMATE	10588019
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC CHLORIDE	7646857
ZINC NITRATE	7779886
ZINC SULFATE	7733020
COUNTY: ORANGE	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
BUTYL ACETATE	123864
CAMPHERE, OCTACHLORO-	8001352
CAMPHERE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHLORPYRIFOS	2921882
CHROMIUM	7440473
COPPER	7440508
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DIAZINON	333415
DICAMBA	1918009
DIMETHYL PHTHALATE	131113
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
MALATHION	121755
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSMET	732116
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SODIUM BIFLUORIDE	1333831

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM BISULFITE	7631905
SODIUM CHROMATE	7775113
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFURIC ACID	7664939
TOLUENE	108883
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: PAGE	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CYCLOHEXANONE	108941
DICAMBA	1918009
DICHLOROMETHANE	75092
DISULFOTON	298044
DISULTOTON	298044
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
LEAD	7439921
MALATHION	121755
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
NAPHTHALENE	91203
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
TOLUENE	108883

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
TRICHLOROETHYLENE	79016
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: PATRICK	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACRYLONITRILE	107131
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM BICHROMATE	7789095
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
CHLOROETHANE	75003
DODECYLBENZENESULFONIC ACID	27176870
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPRENE	78795
METHANOL	67561
N-BUTYL PHTHALATE	84742
PHOSPHORIC ACID	7664382
PHTHALIC ANHYDRIDE	85449
POTASSIUM HYDROXIDE	1310583
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFURIC ACID	7664939
TELLURIUM	13494809
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TRICHLOROETHYLENE	79016
ZINC NITRATE	7779886

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: PITTSYLVANIA	
1,1,1-TRICHLOROETHANE	71556
1,2,4-TRICHLOROBENZENE	120821
1,2-DICHLOROETHANE	107062
ACETIC ACID	64197
ACETONE	67641
ACRYLONITRILE	107131
AMMONIA	7664417
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFAMATE	7773060
AMMONIUM VANADATE	7803556
AMYL ACETATE	628637
ANTIMONY	7440360
ANTIMONY TRIOXIDE	1309644
ARSENIC OXIDE	1327533
ARSENIC PENTOXIDE	1303282
ARSENOUS OXIDE	1327533
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZIOINE	92875
BENZOIC ACID	65850
BUTYL ACETATE	123864
CHLORINE	7782505
CHROMIC ACID	7778509
CHROMIUM	7440473
COPPER	7440508
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIETHYL PHTHALATE	84662
DIMETHYL PHTHALATE	131113
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERRIC NITRATE	10421484
FERRIC SULFATE	10028225
FERROUS SULFATE	7720787
FLUORINE	7782414

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
MERCURIC NITRATE	10099748
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
N-NITROSODIPHENYLAMINE	86306
NAPHTHALENE	91203
NICKEL	7440020
NITRIC ACID	7697372
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
THIRAM	137268
TITANIUM TETRACHLORIDE	7550450
TOLUENE	108883
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
COUNTY: POWHATAN	
ACETIC ACID	64197

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	FORMALDEHYDE	50000
	HYDROQUINONE	123319
	POTASSIUM HYDROXIDE	1310583
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SULFUR TRIOXIDE	7446119
COUNTY: PRINCE EDWARD		
	1,1,1-TRICHLOROETHANE	71556
	ACETONE	67641
	AMMONIA	7664417
	AMMONIUM HYDROXIDE	1336216
	BUTYL ACETATE	123864
	CUMENE	98828
	DICHLOROMETHANE	75092
	ISOPROPYL ALCOHOL	78831
	METHANOL	67561
	METHYL ETHYL KETONE	78933
	METHYL ISOBUTYL KETONE	108101
	SILVER	7440224
	SULFUR TRIOXIDE	7446119
	TETRACHLOROETHYLENE	127184
	TOLUENE	108883
	TRICHLOROETHYLENE	79016
	XYLENE (MIXED ISOMERS)	1330207
COUNTY: PRINCE GEORGE		
	ACETONE	67641
	CUPRIC SULFATE	7758987
	FERROUS SULFATE	7720787
	FLUORINE	7782414
	ISO-BUTYL ACETATE	110190
	ISOPROPYL ALCOHOL	78831
	METHANOL	67561
	METHYL ETHYL KETONE	78933
	METHYL ISOBUTYL KETONE	108101
	PHOSPHORUS	7723140
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM SELENITE	10102188
SULFUR TRIOXIDE	7446119
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: PRINCE WILLIAM	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
ASBESTOS (FRIABLE)	1332214
AZIRIDINE, 2-METHYL-	75558
BUTYL ACETATE	123864
CALCIUM HYPOCHLORITE	7778543
CHLORINE	7782505
CHROMIUM	7440473
COPPER	7440508
CUMENE HYDROPEROXIDE	80159
CYCLOHEXANE	110827
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICAMBA	1918009
DICHLOROMETHANE	75092
ETHYL ACETATE	141786
ETHYL ACRYLATE	140885
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROQUINONE	123319

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ISOPHORONE DIISOCYANATE	4098719
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MALEIC ACID	110167
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-NITROSODIETHANOLAMINE	1116547
NICKEL	7440020
NITRIC ACID	7697372
NITRIC OXIDE	10102439
NITROGEN DIOXIDE	10544726
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
PROPYLENEIMINE	75558
RESORCINOL	108463
SACCHARIN	81072
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10101890
STRONTIUM CHROMATE	7789062
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE-2,4-DIISOCYANATE	584849
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	ZINC NITRATE	7779886
	ZINC SULFATE	7733020
COUNTY: PULASKI		
	1,1,1-TRICHLOROETHANE	71556
	1,2-DICHLOROBENZENE	95501
	2,4-D	94757
	ACETIC ACID	64197
	ACETONE	67641
	AMMONIA	7664417
	AMMONIUM BICHROMATE	7789095
	AMMONIUM CHLORIDE	12125029
	AMMONIUM HYDROXIDE	1336216
	AMMONIUM SULFITE	10196040
	ANTIMONY	7440360
	ANTIMONY TRIOXIDE	1309644
	BUTYL ACETATE	123864
	BUTYL BENZYL PHTHALATE	85687
	CADMIUM	7440439
	CADMIUM OXIDE	1306190
	CALCIUM HYPOCHLORITE	7778543
	CAMPHENE, OCTACHLORO-	8001352
	CAMPHENE, OCTACHLORO-	8001352
	CARBARYL	63252
	CHROMIC ACID	7738945
	CHROMIUM	7440473
	COPPER	7440508
	CUPRIC SULFATE	7758987
	CYANIDES	57125
	CYCLOHEXANONE	108941
	CYCLOHEXYLAMINE	108918
	DI(2-ETHYLHEXYL) PHTHALATE	117817
	DICAMBA	1918009
	DICHLORODIFLUOROMETHANE	75718
	DICHLOROMETHANE	75092
	DIMETHYL PHTHALATE	131113
	EPICHLOROHYDRIN	106898
	ETHANOL, 2-ETHOXY-	110805
	ETHYL ACETATE	141786

APPENDIX A - ENS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ETHYL ETHER	60297
ETHYLENEDIAMINE	107153
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
ISO-AMYL ACETATE	123922
ISO-BUTYL ACETATE	110190
LEAD	7439921
MALATHION	121755
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
P-CRESOL	106445
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	ZINC	7440666
	ZINC CHLORIDE	7646857
	ZINC NITRATE	7779886
	ZINC SULFATE	7733020
COUNTY: RICHMOND		
	2,4-D	94757
	AMMONIA	7664417
	ARSENIC	7440382
	COPPER	7440508
	CREOSOTE	8001589
	CUPRIC SULFATE	7758987
	DICHLOROMETHANE	75092
	DISULFOTON	298044
	DISULTOTON	298044
	PENTACHLOROPHENOL	87865
	PHOSPHORIC ACID	7664382
	SODIUM	7440235
	SULFUR TRIOXIDE	7446119
	ZINC	7440666
	ZINC SULFATE	7733020
COUNTY: ROANOKE		
	1,1,1-TRICHLOROETHANE	71556
	1,2-DICHLOROBENZENE	95501
	1,4-DIOXANE	123911
	ACETIC ACID	64197
	ACRYLONITRILE	107131
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM CHLORIDE	12125029
	AMMONIUM HYDROXIDE	1336216
	AMMONIUM SULFITE	10196040
	AMYL ACETATE	628637
	ASBESTOS (FRIABLE)	1332214
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
	BORON TRIFLUORIDE	7637072
	BUTYL ACETATE	123864
	CARBARYL	63252

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CARBON TETACHLORIDE	56235
CHLORDANE	57749
CHLORINE	7782505
CHLOROBENZENE	108907
CHLORPYRIFOS	2921882
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CREOSOTE	8001589
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DIAZINON	333415
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHOATE	60515
EDTA	60004
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERRIC CHLORIDE	7705080
FORMALDEHYDE	50000
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUORATE	13814965
LINDANE	58899
MALATHION	121755
MALEIC ACID	110167
METHANOL	67561
METHOXYCHLOR	72435

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NAPHTHALENE	91203
NICKEL	7440020
NITRIC ACID	7697372
PARAFORMALDEHYDE	30525894
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
PYRETHRINS	121299
SACCHARIN	81072
SEC-BUTYL ACETATE	105464
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
TETRACHLOROETHYLENE	127184
THIOUREA	62566
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: ROCKBRIDGE	
1,1,1-TRICHLOROETHANE	71556
1,2,4-TRICHLOROBENZENE	120821
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM HYDROXIDE	1336216
ARSENIC PENTOXIDE	1303282
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CALCIUM HYPOCHLORITE	7778543
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHROMIUM	7440473
COPPER	7440508
CREOSOTE	8001589
CUPRIC SULFATE	7758987
DICHLOROMETHANE	75092
DIMETHOATE	60515
EPICHLOROHYDRIN	106898
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
N-BUTYL ALCOHOL	71363
NAPHTHALENE	91203
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
SODIUM	7440235

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM HYDROXIDE	1310732
SODIUM SELENITE	10102188
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: ROCKINGHAM	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
2-PICOLINE	109068
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
BENZAMIDE,3,5-DICHLORO-N-(1,1-DIMETHYL-2-P	23950585
BENZENE	71432
CADMIUM	7440439
CAMPENE, OCTACHLORO-	8001352
CAMPENE, OCTACHLORO-	8001352
CARBARYL	63252
CARBOFURAN	1563662
CHLORINE	7782505
CHLOROACETIC ACID	79118
CHLOROFORM	67663
CHLORPYRIFOS	2921882
CHROMIC ACID	11115745
CHROMIUM	7440473

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COPPER	7440508
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DIAZINON	333415
DICAMBA	1918009
DICHLOROMETHANE	75092
DIETHYL PHTHALATE	84662
DIMETHYL SULFATE	77781
DISULFOTON	298044
DISULTOTON	298044
ETHANOL, 2-ETHOXY-	110805
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
ETHYL ETHER	60297
FERRIC CHLORIDE	7705080
FEROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN CYANIDE	74908
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MALATHION	121755
METHANOL	67561
METHIDATHION	950378
METHOXYCHLOR	72435
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
NICKEL	7440020
NITROGEN DIOXIDE	10102440
PARAQUAT	1910425

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS OXYCHLORIDE	10025873
POTASSIUM HYDROXIDE	1310583
SELENIUM	7782492
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRICHLOROPHENOL	25167822
TRIMETHYLAMINE	75503
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC NITRATE	7779886
ZINC SULFATE	7733020
COUNTY: RUSSELL	
2,4-D	94757
AMMONIUM HYDROXIDE	1336216
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CHLORINE	7782505
CUPRIC SULFATE	7758987
DISULFOTON	298044
DISULTOTON	298044
FERRIC SULFATE	10028225
HYDROCHLORIC ACID	7647010
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
ZINC SULFATE	7733020
COUNTY: SCOTT	
ALUMINUM SULFATE	10043013
AMMONIUM BIFLUORIDE	1341497
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXYLAMINE	108918
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
METHYL ETHYL KETONE	78933
NICKEL	7440020
PHENOL	108952
POTASSIUM HYDROXIDE	1310583
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SULFURIC ACID	7664939
TOLUENE	108883
COUNTY: SHENANDOAH	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
2,4-D	94757
2,4-D ESTERS	94804
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHLORINE	7782505
CHLORPYRIFOS	2921882
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DISULFOTON	298044
DISULTOTON	298044
DODECYLBENZENESULFONIC ACID	27176870
ETHOPROPHOS	13194484
FERROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
METHANOL	67561
METHOXYCHLOR	72435
N-BUTYL ALCOHOL	71363
NITRIC ACID	7697372
PARAFORMALDEHYDE	30525894
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SELENIUM	7782492
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
TETRACHLOROETHYLENE	127184
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC CHLORIDE	7646857
ZINC SULFATE	7733020
COUNTY: SMYTH	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ACRYLONITRILE	107131
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CHROMIUM	7440473
COPPER	7440508
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DISULFOTON	298044
DISULTOTON	298044
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SILVER	7440224
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
STRONTIUM CHROMATE	7789062
STYRENE	100425
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
COUNTY: SOUTHAMPTON	
ACETIC ACID	64197
AMMONIUM ACETATE	631618
CHROMIUM	7440473
DICHLORODIFLUOROMETHANE	75718
FERRIC CHLORIDE	7705080
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
NICKEL	7440020
PENTACHLOROPHENOL	87865
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
THIOUREA	62566
COUNTY: SPOTSYLVANIA	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROPROPANE	78875
ACETIC ACID	64197
ACETONE	67641

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
ASBESTOS (FRIABLE)	1332214
CHROMIC CHLORIDE	10025737
CREOSOTE	8001589
CUMENE HYDROPEROXIDE	80159
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
DODECYLBENZENESULFONIC ACID	27176870
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
METHANOL	67561
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
RESORCINOL	108463
SACCHARIN	81072
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE-2,4-DIISOCYANATE	584849
TRICHLOROETHYLENE	79016

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	TRICHLOROMONOFLUOROMETHANE	75694
	TRICHLOROPHENOL	25167822
	XYLENE (MIXED ISOMERS)	1330207
COUNTY: STAFFORD	ACETIC ACID	64197
	ALUMINUM SULFATE	10043013
	AMMONIUM CHLORIDE	12125029
	AMMONIUM HYDROXIDE	1336216
	CUPRIC SULFATE	7758987
	DICHLORODIFLUOROMETHANE	75718
	DICHLOROMETHANE	75092
	FERRIC CHLORIDE	7705080
	FERROUS SULFATE	7720787
	FORMALDEHYDE	50000
	HYDROCHLORIC ACID	7647010
	HYDROGEN PEROXIDE	7722841
	HYDROQUINONE	123319
	LEAD FLUOBORATE	13814965
	METHANOL	67561
	NITRIC ACID	7697372
	POTASSIUM HYDROXIDE	1310583
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	SULFUR TRIOXIDE	7446119
	SULFURIC ACID	7664939
	TOLUENE	108883
COUNTY: SURRY	AMMONIUM HYDROXIDE	1336216
	CHLORINE	7782505
	HYDRAZINE	302012
	SODIUM HYDROXIDE	1310732
	SULFURIC ACID	7664939
COUNTY: SUSSEX	ALDICARB	116063
	AMMONIUM CHLORIDE	12125029
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
BUTYL ACETATE	123864
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CUPRIC SULFATE	7758987
DICHLOROMETHANE	75092
DISULFOTON	298044
DISULTOTON	298044
ENDOSULFAN	115297
ETHYL ACETATE	141786
FENSULFOTHION	115297
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
ISO-BUTYL ACETATE	110190
METHANOL	67561
METHOMYL	16752775
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
PHENOL	108952
PHORATE	298022
PHOSPHORIC ACID	7664382
SEC-BUTYL ACETATE	105464
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
COUNTY: TAZEWELL	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
BUTYL ACETATE	123864
CAMPHERE, OCTACHLORO-	8001352
CAMPHERE, OCTACHLORO-	8001352
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXANONE	108941
DICAMBA	1918009
DICHLOROMETHANE	75092
DODECYLBENZENESULFONIC ACID	27176870
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
NICKEL	7440020
PHOSGENE	75445
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POLYCHLORINATED BIPHENYLS	1336363
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	10124568
STRONTIUM CHROMATE	7789062
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: WARREN	
2,4-D	94757
ACETIC ACID	64197
ACRYLONITRILE	107131
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
AZIRIDINE, 2-METHYL-	75558
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBON DISULFIDE	75150
CUPRIC SULFATE	7758987
DI(2-ETHYLHEXYL) PHTHALATE	117817
ETHYL ACETATE	141786
ETHYL ACRYLATE	140885
FORMALDEHYDE	50000
FORMIC ACID	64186
ISO-BUTYL ACETATE	110190
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
PHOSPHORIC ACID	7664382
PHTHALIC ANHYDRIDE	85449
PROPYLENEIMINE	75558
SODIUM	7440235
SODIUM HYPOCHLORITE	7681529
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COUNTY: WASHINGTON	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
CADMIUM	7440439
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHLORINE	7782505
CHLORPYRIFOS	2921882
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CRESOL (MIXED ISOMERS)	1319773
CUPRIC SULFATE	7758987
DICAMBA	1918009
DICHLOROMETHANE	75092
ETHANOL, 2-ETHOXY-	110805
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHENOXARSINE, 10,10'-OXYDI-	58366

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM CHROMATE	7775113
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10101890
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRICHLOROETHYLENE	79016
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC SULFATE	7733020
COUNTY: WESTMORELAND	
ACETIC ACID	64197
AMMONIUM HYDROXIDE	1336216
ARSENIC ACID	7778394
FORMALDEHYDE	50000
FORMIC ACID	64186
PHOSPHORIC ACID	7664382
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
COUNTY: WISE	
ACETIC ACID	64197
AMMONIA	7664417
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
CHROMIUM	7440473
FORMALDEHYDE	50000
HYDROQUINONE	123319

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
LINDANE	58899
NICKEL	7440020
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
COUNTY: WYTHE	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM CHLORIDE	12125029
ANTIMONY TRIOXIDE	1309644
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
CALCIUM HYPOCHLORITE	7778543
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBON TETACHLORIDE	56235
CHLORPYRIFOS	2921882
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CUPRIC SULFATE	7758987
CYANIDES	57125
DI(2-ETHYLHEXYL) PHTHALATE	117817
DIAZINON	333415
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHANOL	67561
METHIDATHION	950378
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL PHTHALATE	84742
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CHROMATE	7789006
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
RESORCINOL	108463
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TOLUENE-2,4-DIISOCYANATE	584849
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC NITRATE	7779886
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
AMMONIUM CHLORIDE	12125029
ANTIMONY	7440360
ARSENIC	7440382

COUNTY: YORK

APPENDIX A - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (COUNTY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ARSINE	7784421
BENZENE	71432
CADMIUM	7440439
CADMIUM OXIDE	1306190
CHLORINE	7782505
CHROMIUM	7440473
CRESOL (MIXED ISOMERS)	1319773
CUPRIC CHLORIDE	7447394
CYANIDES	57125
CYCLOHEXYLAMINE	108918
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROGEN CYANIDE	74908
HYDROGEN SULFIDE	7783064
LEAD	7439921
METHANOL	67561
METHYL MERCAPTAN	74931
MONOETHYLAMINE	75047
NICKEL	7440020
NITRIC OXIDE	10102439
NITROGEN DIOXIDE	10102440
OZONE	10028156
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS PENTOXIDE	1314563
POTASSIUM HYDROXIDE	1310583
SODIUM	7440235
SODIUM AZIDE	26628228
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRAETHYL LEAD	78002
TETRAMETHYLLEAD	75741
THIOPHENOL	108985
TRICHLOROPHENOL	25167822

APPENDIX B

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

The two lists of chemical substances that are the focus of this study are the list of "extremely hazardous substances" (EHSs) designated by Section 302 of SARA Title III and the list of "hazardous substances" designated by Section 101(14) of the Comprehensive Environmental Resource and Conservation Liability Act (CERCLA). The list of extremely hazardous substances and the threshold planning quantities assigned to each substance are intended to assist communities in identifying those facilities and substances of the most immediate concern for emergency planning and response. CERCLA hazardous substances are those which, when released into the environment, may present substantial danger to the public health or welfare or the environment; some hazardous wastes are also included on this list. Eight-five chemical substances are common to both lists. Appendix A lists by city those EHS and CERCLA chemicals reported to the Bureau of Toxic Substances Information of the Department of Health as being present within Virginia.

CITY: ALEXANDRIA

1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM BICARBONATE	1066337
AMMONIUM BICHROMATE	7789095
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMMONIUM VANADATE	7803556
AMYL ACETATE	628637
ASBESTOS (FRIABLE)	1332214
BENZENE	71432
BUTYL ACETATE	123864
CADMIUM	7440439
CADMIUM OXIDE	1306190
CARBON TETACHLORIDE	56235
CHLORINE	7782505
CHLOROFORM	67663
CHROMIC ACID	11115745

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICHLOROMETHANE	75092
DIETHYLAMINE	109897
EDTA	60004
ETHANOL, 2-ETHOXY-	110805
FERRIC NITRATE	10421484
FERROUS AMMONIUM SULFATE	10045893
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-AMYL ACETATE	123922
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13814965
MERCURIC NITRATE	10045940
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-NITROSODIETHANOLAMINE	1116547
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
O-TOLUIDINE	95534
P-NITROPHENOL	100027
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
POTASSIUM PERMANGANATE	7722647
SILVER	7440224
SILVER CYANIDE	506649
SODIUM	7440235
SODIUM AZIDE	26628228
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIOSEMICARBAZIDE	79196
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRIETHANOLAMINE DODECYLBENZENE SULFONATE	27323417
XYLENE (MIXED ISOMERS)	1330207
ZINC CYANIDE	557211
ZINC NITRATE	7779886
ZINC SULFATE	7733020
CITY: BEDFORD	
1,1,1-TRICHLOROETHANE	71556
1,1,2-TRICHLOROETHANE	79005
1,2-DICHLOROETHANE	107062
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
CADMIUM	7440439

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHROMIUM	7440473
CYCLOHEXANONE	108941
DI(2-ETHYLHEXYL) PHTHALATE	117817
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPIONIC ACID	79094
SILVER	7440224
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
STYRENE	100425
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRIETHYLAMINE	121448
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
CITY: BRISTOL	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIUM THIOCYANATE	1762954

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBAMIC ACID, ETHYL ESTER	51796
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIETHYLAMINE	109897
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SILVER	7440224
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROSULFIDE	16721805
SODIUM HYDROXIDE	1310732

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRICHLORONONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
ZINC NITRATE	7779886
ZINC SULFATE	7733020

CITY: BUENA VISTA

1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROETHANE	107062
ADIPIC ACID	124049
ANTIMONY TRIOXIDE	1309644
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
EPICHLOROHYDRIN	106898
ETHYL ACETATE	141786
ETHYLENE THIOUREA	96457
FORMALDEHYDE	50000
FURAN, TETRAHYDRO-	109999
HYDROQUINONE	123319
LEAD	7439921
LEAD SULFATE	7446142
MALATHION	121755
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
NICKEL	7440020
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHTHALIC ANHYDRIDE	85449
POTASSIUM HYDROXIDE	1310583
PROPYLENE OXIDE	75569
RESORCINOL	108463
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
THIRAM	137268
TOLUENE	108883
TRICHLOROETHYLENE	79016
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
XYLENOL	1300716
ZINC	7440666
ZINC BORATE	1332076
CITY: CHARLOTTESVILLE	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
2,4-D	94757
ACETIC ACID	64197
ALLYL ALCOHOL	107186
AMITROLE	61825
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY	7440360
ARSENIC ACID	7778394
BUTYL ACETATE	123864

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
BUTYLAMINE	109739
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHLORINE	7782505
CHLOROBENZENE	108907
CHLOROFORM	67663
CHLORPYRIFOS	2921882
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIGLYCIDYL ETHER	2238075
DISULFOTON	298044
DISULTOTON	298044
DODECYLBENZENESULFONIC ACID	27176870
EDTA	60004
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
LEAD	7439921
LEAD FLUORATE	13814965
MERCURIC CHLORIDE	7487947
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
NICKEL	7440020
NITRIC ACID	7697372

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC NITRATE	7779886
ZINC SULFATE	7733020
CITY: CHESAPEAKE	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
ANTHRACENE	120127
ARSENIC	7440382
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
CARBON DISULFIDE	75150
CHLORINE	7782505

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHROMIC ACID	7778509
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DODECYLBENZENESULFONIC ACID	27176870
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROGEN SULFIDE	7783064
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS PENTOXIDE	1314563
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CARBONATE	3486359
CITY: CLIFTON FORGE	
POTASSIUM HYDROXIDE	1310583
CITY: COLONIAL HEIGHTS	
ACETIC ACID	64197
AMMONIUM HYDROXIDE	1336216
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
CARBON TETACHLORIDE	56235
CHROMIUM	7440473
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMIC ACID	64186
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
LEAD	7439921
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NICKEL	7440020
PHENOL	108952
PHTHALIC ANHYDRIDE	85449

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
POTASSIUM HYDROXIDE	1310583
SODIUM HYDROXIDE	1310732
SULFURIC ACID	7664939
TOLUENE	108883
TRICHLOROETHYLENE	79016
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
CITY: COVINGTON	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
CHROMIUM	7440473
COPPER	7440508
CYCLOHEXANONE	108941
FORMALDEHYDE	50000
HYDROFLUORIC ACID	7664393
HYDROQUINONE	123319
METHYL ISOBUTYL KETONE	108101
NICKEL	7440020
NITRIC ACID	7697372
OZONE	10028156
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7758294
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
CITY: DANVILLE	
1,1,1-TRICHLOROETHANE	71556

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
1,2,4-TRICHLOROBENZENE	120821
1,2-DICHLOROBENZENE	95501
1,2-DICHLOROETHANE	107062
1,2-DICHLOROPROPANE	78875
2,4-D	94757
5-NITRO-O-TOLUIDINE	99558
ACETALDEHYDE	75070
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SILICOFLUORIDE	16919190
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY	7440360
BUTYL ACETATE	123864
CALCIUM HYPOCHLORITE	7778543
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBON DISULFIDE	75150
CARBON TETACHLORIDE	56235
CHLOROACETIC ACID	79118
CHLOROETHANE	75003
CHROMIUM	7440473
COPPER	7440508
CUPRIC ACETATE	142712
CYANIDES	57125
CYCLOHEXANONE	108941
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DISULFOTON	298044
DISULTOTON	298044
DODECYLBENZENESULFONIC ACID	27176870
ETHANOL, 2-ETHOXY-	110805

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

ETHOPROPHOS	13194484
ETHYL ACETATE	141786
ETHYL ACRYLATE	140885
ETHYLENE OXIDE	75218
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
LEAD	7439921
METHANOL	67561
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NAPHTHALENE	91203
NICKEL	7440020
NITRIC ACID	7697372
PARAFORMALDEHYDE	30525894
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS PENTOXIDE	1314563
PHOSPHORUS TRICHLORIDE	7719122
POTASSIUM HYDROXIDE	1310583
PYRIDINE	110861
SILVER	7440224
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRIETHANOLAMINE DODECYLBENZENE SULFONATE	27323417
TRIETHYLAMINE	121448
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC AMMONIUM CHLORIDE	14639986
ZINC CHLORIDE	7646857
ZINC NITRATE	7779886
ZINC SULFATE	7733020
CITY: EMPORIA	
1,1,1-TRICHLOROETHANE	71556
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
CALCIUM CARBIDE	75207
CALCIUM HYPOCHLORITE	7778543
CUMENE HYDROPEROXIDE	80159
CYCLOHEXYLAMINE	108918
DICHLOROMETHANE	75092
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
METHANOL	67561
POTASSIUM HYDROXIDE	1310583
SACCHARIN	81072
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM PHOSPHATE, TRIBASIC	10124568
TOLUENE	108883
ZINC CHLORIDE	7646857
CITY: FAIRFAX	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACETONE	67641
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
BUTYL ACETATE	123864
CHROMIUM	7440473
ETHYL ACETATE	141786
FORMALDEHYDE	50000
HYDROQUINONE	123319
LEAD	7439921
METHANOL	67561
METHYL ISOBUTYL KETONE	108101
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFLUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
CITY: FALLS CHURCH	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACETONE	67641
AMMONIA	7664417
AMMONIUM ACETATE	631618

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIUM BICHROMATE	7789095
AMMONIUM BIFLUORIDE	1341497
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BERYLLIUM	7440417
BUTYL ACETATE	123864
CHLOROBENZENE	108907
COPPER	7440508
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
DICHLOROMETHANE	75092
EDTA	60004
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
N-BUTYL ALCOHOL	71363
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHENOL	108952
PHOSPHORIC ACID	7664382
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPIONIC ACID	79094
SILVER	7440224
SILVER NITRATE	7761888
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
ZINC NITRATE	7779886
CITY: FRANKLIN	
2,4-D	94757
ACETIC ACID	64197
ALUMINUM SULFATE	10043013
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
DICAMBA	1918009
DISULFOTON	298044
DISULTOTON	298044
ETHANOL, 2-ETHOXY-	110805
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
FORMALDEHYDE	50000
PHOSPHORUS	7723140
ZINC SULFATE	7733020
CITY: FREDERICKSBURG	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMMONIUM THIOCYANATE	1762954
BUTYL BENZYL PHTHALATE	85687
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CHROMIUM	7440473
COPPER	7440508
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
DICAMBA	1918009
DISULFOTON	298044
DISULTOTON	298044
EDTA	60004
ETHOPROPHOS	13194484
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC SULFATE	7733020
CITY: GALAX	
1,1,1-TRICHLOROETHANE	71556
2,3,4,6-TETRACHLOROPHENOL	58902
ACETIC ACID	64197
ACETONE	67641
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
BUTYL BENZYL PHTHALATE	85687
COPPER	7440508
CUPRIC SULFATE	7758987
DI(2-ETHYLHEXYL) PHTHALATE	117817
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
ISO-BUTYL ACETATE	110190
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NITRIC ACID	7697372
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207
ZINC SULFATE	7733020
CITY: HAMPTON	
1,1,1-TRICHLOROETHANE	71556

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

1,4-DIOXANE	123911
4,4'-METHYLENEBIS(2-CHLOROANILINE)	101144
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM FLUORIDE	12125018
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY	7440360
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
BUTYLAMINE	109739
CALCIUM CARBIDE	75207
CHLOROBENZENE	108907
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CYCLOHEXANONE	108941
DICHLORO-DIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ETHER	60297
FERRIC CHLORIDE	7705080
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCONOL	78831
LEAD	7439921

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
MALEIC ACID	110167
MERCURIC CHLORIDE	7487947
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHthalate	117840
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHthalic ANHYDRIDE	85449
POTASSIUM HYDROXIDE	1310583
SACCHARIN	81072
SEC-BUTYL ACETATE	105464
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
CITY: HARRISONBURG	
1,1,1-TRICHLOROETHANE	71556
1,2,4-TRICHLOROBENZENE	120821
1,2-DICHLOROETHANE	107062
1,4-DIOXANE	123911
2,4-D	94757
2,4-D ESTERS	94804

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ACETIC ACID	64197
ACETONE	67641
ACETONITRILE	75058
ACRYLAMIDE	79061
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFAMATE	7773060
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
ANITMONY POTASSIUM TARTRATE	28300745
ANTIMONY	7440360
BENZAMIDE,3,5-DICHLORO-N-(1,1-DIMETHYL-2-P	23950585
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENESULFONYL CHLORIDE	98099
BUTYL ACETATE	123864
BUTYLAMINE	109739
CADMIUM	7440439
CALCIUM HYPOCHLORITE	7778543
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBARYL	63252
CARBOFURAN	1563662
CARBON DISULFIDE	75150
CARBON TETACHLORIDE	56235
CHLORINE	7782505
CHLOROFORM	67663
CHLORPYRIFOS	2921882
CHROMIC ACID	11115745
COBALTOUS FORMATE	544183
COPPER	7440508
CUMAPHOS	56724
CUPRIC CHLORIDE	7447394
CUPRIC NITRATE	3251238

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CUPRIC SULFATE	7758987
CYANIDES	57125
CYCLOHEXANE	110827
CYCLOHEXYLAMINE	108918
DIAZINON	333415
DICAMBA	1918009
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DICHLOROVOS	62737
DIMETHOATE	60515
DIMETHYL PHTHALATE	131113
DISULFOTON	298044
EDTA	60004
ETHANOL, 2-ETHOXY-	110805
ETHOPROPHOS	13194484
ETHYL ACETATE	141786
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FERRIC NITRATE	10421484
FERRIC SULFATE	10028225
FERROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD ACETATE	301042
LEAD SULFATE	7446142
LEAD THIOCYANATE	592870
MALATHION	121755
MALEIC ACID	110167
MERCURIC CHLORIDE	7487947

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

MERCURIC NITRATE	10045940
MERCURY	7439976
METHANOL	67561
METHIDATHION	950378
METHOXYCHLOR	72435
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHOSPHINE	7803512
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CHROMATE	7789006
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPIONIC ACID	79094
QUINOLINE	91225
RESORCINOL	108463
SEC-BUTYL ACETATE	105464
SELENIUM	7782492
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BICROMATE	10588019
SODIUM BIFLUORIDE	1333831
SODIUM BISULFITE	7631905
SODIUM CHROMATE	7775113
SODIUM CYANIDE	143339
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	10124568

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM SELENITE	7782823
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
THALLIUM SULFATE	10031591
THIOUREA	62566
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC SULFATE	7733020
CITY: HOPEWELL	
2,2-DICHLOROPROPIONIC ACID	75990
ACETALDEHYDE	75070
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
ACETYL CHLORIDE	75365
ACRYLAMIDE	79061
ADIPIC ACID	124049
ALDICARB	116063
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICARBONATE	1066337
AMMONIUM CARBONATE	506876
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFAMATE	7773060
AMMONIUM SULFITE	10196040
AMMONIUM VANADATE	7803556
ANTIMONY POTASSIUM TARTRATE	28300745
ANTIMONY TRIOXIDE	1309644
ASBESTOS (FRIABLE)	1332214
AZIRIDINE	151564
BENZENE	71432

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZOIC ACID	65850
BENZYL CHLORIDE	100447
BUTYL ACETATE	123864
BUTYLAMINE	109739
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHLORINE	7782505
CHLOROACETIC ACID	79118
CHLOROETHANE	75003
CHROMIC ACID	7778509
COPPER	7440508
CUMENE	98828
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DICHLORODIFLUOROMETHANE	75718
DIMETHYL SULFATE	77781
DIMETHYLAMINE	124403
DINOSEB	88857
DISULFOTON	298044
DISULTOTON	298044
EDTA	60004
ETHOPROPHOS	13194484
ETHYL ETHER	60297
ETHYLENE OXIDE	75218
ETHYLENEDIAMINE	107153
FENSULFOTHION	115902
FERRIC CHLORIDE	7705080
FEROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROGEN SULFIDE	7783064
HYDROQUINONE	123319
LEAD	7439921
LINDANE	58899

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHANOL	67561
METHOMYL	16752775
METHYL ETHYL KETONE	78933
METHYL MERCAPTAN	74931
MONOCROTOPHOS	6923224
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NITRIC ACID	7697372
NITRIC OXIDE	10102439
NITROGEN DIOXIDE	10102440
PARAQUAT	1910425
PERACETIC ACID	79210
PHENOL	108952
PHORATE	298022
PHOSPHORIC ACID	7664382
PHOSPHORUS PENTOXIDE	1314563
POTASSIUM HYDROXIDE	1310583
PROPYLENE OXIDE	75569
RESORCINOL	108463
SEC-BUTYL ACETATE	105464
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROSULFIDE	16721805
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10101890
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
SULFURIC ACID (FUMING)	8014957
TERBUFOS	13071799
THIOCARBAZIDE	2231574
TOLUENE	108883
TRINCLOROPHENOL	25167822
VANADIUM PENTOXIDE	1314621

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	WARFARIN	81812
	ZINC CHLORIDE	7646857
CITY: LEXINGTON		
	2,4-D	94757
	2,4-D ESTERS	94804
	ACETIC ACID	64197
	CAMPHENE, OCTACHLORO-	8001352
	CAMPHENE, OCTACLORO-	8001352
	CARBOFURAN	1563662
	CHLOROBENZENE	108907
	CHLORPYRIFOS	2921882
	CUPRIC SULFATE	7758987
	CYCLOHEXANONE	108941
	DIMETHOATE	60515
	PARAQUAT	1910425
	PHOSMET	732116
	POTASSIUM HYDROXIDE	1310583
	TERBUFOS	13071799
	ZINC SULFATE	7733020
CITY: LYNCHBURG		
	1,1,1-TRICHLOROETHANE	71556
	1,2,4-TRICHLOROBENZENE	120821
	1,2-DICHLOROETHANE	107062
	2,4-D	94757
	ACETIC ACID	64197
	ACETONE	67641
	ADIPIC ACID	124049
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMMONIUM CHLORIDE	12125029
	AMMONIUM HYDROXIDE	1336216
	AMMONIUM THIOCYANATE	1762954
	AMYL ACETATE	628637
	ANTIMONY	7440360
	ASBESTOS (FRIABLE)	1332214
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
	BENZOIC ACID	65850

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CADMIUM	7440439
CADMIUM OXIDE	1306190
CALCIUM CARBIDE	75207
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CHLORINE	7782505
CHLOROFORM	67663
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CRESOL (MIXED ISOMERS)	1319773
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIETHYL PHTHALATE	84662
DIMETHYL PHTHALATE	131113
DODECYLBENZENESULFONIC ACID	27176870
EDTA	60004
EPICHLOROHYDRIN	106898
ERGOCALCIFEROL	50146
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ETHER	60297
ETHYLENE OXIDE	75218
FERRIC CHLORIDE	7705080
FERROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
FURFURAL	98011
HYDROCHLORIC ACID	7647010

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13814965
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
MONOETHYLAMINE	75047
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NAPHTHALENE	91203
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
NITROGEN DIOXIDE	10102440
O-CRESOL	95487
PHENACETIN	62442
PHENOL	108952
PHENYL MERCURIC ACETATE	62384
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHTHALIC ANHYDRIDE	85449
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
POTASSIUM SILVER CYANIDE	506616
POTASSIUM SILVER CYANIDE	506616
SAFROLE	94597
SEC-BUTYL ACETATE	105464
SILVER	7440224
SILVER CYANIDE	506649
SODIUM	7440235

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM BICHROMATE	10588019
SODIUM BIFLUORIDE	1333831
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC CYANIDE	557211
ZINC PHENOLSULFONATE	127822
ZINC SULFATE	7733020
ZIRCONIUM POTASSIUM FLUORIDE	16923958
CITY: MANASSAS	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIUM THIOCYANATE	1762954
ANTIMONY	7440360
ARSINE	7784421
ASBESTOS (FRIABLE)	1332214
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, O-DIMETHYL	95476
BORON TRICHLORIDE	10294345
BORON TRIFLUORIDE	7637072
BUTYL ACETATE	123864
BUTYLAMINE	109739
CHLORINE	7782505
CHLOROBENZENE	108907
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
CUMENE HYDROPEROXIDE	80159
CUPRIC NITRATE	3251238
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERRIC CHLORIDE	7705080
FERRIC NITRATE	10421484
FLUORINE	7782414
FORMALDEHYDE	50000
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NITRIC ACID	7697372
PARAFORMALDEHYDE	30525894
PHOSPHINE	7803512
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS OXYCHLORIDE	10025873
PIPERIDINE	110894
POTASSIUM CHROMATE	7789006
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
STRONTIUM CHROMATE	7789062
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIOUREA	62566
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
CITY: MARTINSVILLE	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACETONE	67641

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CHROMIUM	7440473
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERRIC SULFATE	10028225
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NITRIC ACID	7697372
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PROPYLENE OXIDE	75569
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM SELENITE	7782823
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC NITRATE	7779886
CITY: NEWPORT NEWS	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROETHANE	107062
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTHRACENE	120127
ANTIMONY	7440360
ARSENIC	7440382

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

ASBESTOS (FRIABLE)	1332214
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BORON TRIFLUORIDE	7637072
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CADMIUM	7440439
CALCIUM HYPOCHLORITE	7778543
CHLORINE	7782505
CHLOROBENZENE	108907
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER	7440508
CUMENE HYDROPEROXIDE	80159
CUPRIC CHLORIDE	7447394
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
DODECYLBENZENESULFONIC ACID	27176870
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCOHOL	78831

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
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LEAD	7439921
LEAD FLUOBORATE	13814965
LEAD SULFATE	7446142
MALEIC ACID	110167
METHANOL	67561
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NITRIC ACID	7697372
NITROGEN DIOXIDE	10102440
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS OXYCHLORIDE	10025873
POTASSIUM CHROMATE	7789006
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPIONIC ACID	79094
SACCHARIN	81072
SEC-BUTYL ACETATE	105464
SELENIUM OXIDE	7446084
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR DIOXIDE	7446095

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TOLUENE-2,4-DIISOCYANATE	584849
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRINCLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
CITY: NORFOLK	
1,1,1-TRICHLOROETHANE	71556
1,1,2-TRICHLOROETHANE	79005
1,2-DICHLOROBENZENE	95501
1,2-DICHLOROPROPANE	78875
1,4-DICHLOROBENZENE	106467
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BIFLUORIDE	1341497
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
ANYL ACETATE	628637
ANTIMONY	7440360
ASBESTOS (FRIABLE)	1332214
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
BUTYLAMINE	109739

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CADMIUM	7440439
CALCIUM CARBIDE	75207
CARBAMIC ACID, ETHYL ESTER	51796
CARBON TETRACHLORIDE	56235
CHLORDANE	57749
CHLORINE	7782505
CHLOROBENZENE	108907
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DIAZINON	333415
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHthalATE	117840
N-NITROSODIETHANOLAMINE	1116547
NICKEL	7440020
NITRIC ACID	7697372
O-TOLUIDINE	95534
PENTACHLOROPHENOL	87865
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHthalIC ANHYDRIDE	85449
POTASSIUM HYDROXIDE	1310583
RESORCINOL	108463
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TOLUENE-2,4-DIISOCYANATE	584849
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CITY: NORTON	ACETIC ACID	64197
	AMMONIUM THIOCYANATE	1762954
	AMYL ACETATE	628637
	FORMALDEHYDE	50000
	POTASSIUM HYDROXIDE	1310583
	SODIUM HYDROXIDE	1310732
	SULFURIC ACID	7664939
CITY: PETERSBURG	1,1,1-TRICHLOROETHANE	71556
	2,4-D	94757
	ACETIC ACID	64197
	ACETONE	67641
	ADIPIC ACID	124049
	AMMONIA	7664417
	AMMONIUM BICHROMATE	7789095
	AMMONIUM CHLORIDE	12125029
	AMMONIUM HYDROXIDE	1336216
	AMMONIUM SULFITE	10196040
	AMMONIUM THIOCYANATE	1762954
	ASBESTOS (FRIABLE)	1332214
	BUTYL ACETATE	123864
	CADMIUM	7440439
	CHLORINE	7782505
	CHLOROFORM	67663
	CHROMIUM	7440473
	COPPER	7440508
	CUPRIC SULFATE	7758987
	CYANIDES	57125
	CYCLOHEXANONE	108941
	CYCLOHEXYLAMINE	108918
	DICHLOROMETHANE	75092
	DISULFOTON	298044
	DISULTOTON	298044
	ETHANOL, 2-ETHOXY-	110805
	ETHYL ACETATE	141786
	FERRIC NITRATE	10421484

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
FORMALDEHYDE	50000
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
MONOETHYLAMINE	75047
N-BUTYL ALCOHOL	71363
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM CYANIDE	143339
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROMONOFUOROMETHANE	75694
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CYANIDE	557211
ZINC NITRATE	7779886
ZINC SULFATE	7733020
CITY: POQUOSON	
ACETONE	67641

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHROMIUM	7440473
ISOPROPYL ALCOHOL	78831
METHANOL	67561
METHYL ISOBUTYL KETONE	108101
NICKEL	7440020
PHOSPHORUS	7723140
SILVER	7440224
SODIUM	7440235
SULFUR TRIOXIDE	7446119
TOLUENE	108883
XYLENE (MIXED ISOMERS)	1330207
CITY: PORTSMOUTH	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROETHANE	107062
ACETIC ACID	64197
ACETONE	67641
ALLYL CHLORIDE	107051
ALLYLAMINE	107119
AMMONIA	7664417
AMYL ACETATE	628637
BUTYLAMINE	109739
CHROMIUM	7440473
CREOSOTE	8001589
CUPRIC SULFATE	7758987
CYCLOHEXYLAMINE	108918
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DICHLOROVOS	62737
DIPROPYLAMINE	142847
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYLAMINE	78819
METHANOL	67561
MONOETHYLAMINE	75047
N-PROPYLAMINE	107108
NICKEL	7440020

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
PYRETHRINS	121299
SEC-BUTYLAMINE	13952846
SILVER	7440224
SODIUM	7440235
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	10124568
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TERT-BUTYLAMINE	75649
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
ZINC SULFATE	7733020
CITY: RADFORD	
1,1,1-TRICHLOROETHANE	71556
2,4-DINITROTOLUENE	121142
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM HYDROXIDE	1336216
AMYL ACETATE	628637
BENZENE	71432
BUTYL ACETATE	123864
CADMIUM OXIDE	1306190
CALCIUM CARBIDE	75207
CHROMIC ACID	7738945
CHROMIUM	7440473
COPPER CYANIDE	544923
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CUPRIC SULFATE	7758987
DIETHYL PHTHALATE	84662
ETHYL ETHER	60297
FORMALDEHYDE	50000
HYDROCHLORIC ACID	7647010
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
LEAD FLUOBORATE	13814965
LEAD STEARATE	7428480
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NICKEL	7440020
NICKEL CHLORIDE	7718549
NITRIC ACID	7697372
NITROGEN DIOXIDE	10544726
PHENOL	108952
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
SULFURIC ACID (FUMING)	8014957
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFLUOROMETHANE	75694
TRICHLOROPHENOL	25167822
VANADIUM PENTOXIDE	1314621
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CITY: RICHMOND	
1,1,1-TRICHLOROETHANE	71556
1,1,2-TRICHLOROETHANE	79005
1,2-DICHLOROBENZENE	95501
1,2-DICHLOROETHANE	107062
1,2-DICHLOROPROPANE	78875
1,4-DIOXANE	123911
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM BICHROMATE	7789095
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFAMATE	7773060
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY	7440360
ANTIMONY TRIOXIDE	1309644
ASBESTOS (FRIABLE)	1332214
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
BUTYLAMINE	109739
CADMIUM	7440439
CADMIUM OXIDE	1306190
CARBON DISULFIDE	75150
CHLORINE	7782505
CHLOROACETIC ACID	79118
CHLOROETHANE	75003
CHLOROFORM	67663
CHROMIC ACID	11115745
CHROMIUM	7440473

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
COPPER	7440508
COPPER CYANIDE	544923
CUMAPHOS	56724
CREOSOTE	8001589
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
CYANIDES	57125
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DICHLOROVOS	62737
DIETHYL PHTHALATE	84662
DIETHYLAMINE	109897
DIMETHYL PHTHALATE	131113
DODECYLBENZENESULFONIC ACID	27176870
EPICHLOROHYDRIN	106898
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERRIC CHLORIDE	7705080
FERRIC SULFATE	10028225
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROGEN SULFIDE	7783064
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPHRONE	78591
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD SULFATE	7446142
MALATHION	121755

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
MALEIC ACID	110167
METHANOL	67561
METHOXYCHLOR	72435
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
N-DIOCTYLPHTHALATE	117840
N-NITROSODIETHANOLAMINE	1116547
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NICOTINE	54115
NICOTINE AND SALTS	54115
NITRIC ACID	7697372
NITRIC OXIDE	10102439
NITROBENZENE	98953
NITROGEN DIOXIDE	10102440
P-NITROPHENOL	100027
PARAFORMALDEHYDE	30525894
PENTACHLOROPHENOL	87865
PHENOL	108952
PHOSPHINE	7803512
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
PROPYLENE OXIDE	75569
RESORCINOL	108463
SACCHARIN	81072
SEC-BUTYL ACETATE	105464
SILVER	7440224
SILVER CYANIDE	506649
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339

APPENDIX B - EMS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
SODIUM SELENITE	7782823
STRONTIUM CHROMATE	7789062
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
THIRAM	137268
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC CYANIDE	557211
ZINC SULFATE	7733020
CITY: ROANOKE	
1,1,1-TRICHLOROETHANE	71556
1,2,4-TRICHLOROBENZENE	120821
1,2-DICHLOROBENZENE	95501
1,2-DICHLOROETHANE	107062
1,4-DIOXANE	123911
ACETALDEHYDE	75070
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY POTASSIUM TARTRATE	28300745
ANTIMONY	7440360
ARSENIC	7440382
ARSINE	7784421
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BORON TRICHLORIDE	10294345
BROMINE	7726956
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
BUTYLAMINE	109739
CADMIUM	7440439
CARBON DISULFIDE	75150
CARBON TETRACHLORIDE	56235
CHLOROFORM	67663
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
DIETHYL PHTHALATE	84662
DIMETHYL PHTHALATE	131113
DODECYLBENZENESULFONIC ACID	27176870
EDTA	60004
ERGOCALCIFEROL	50146
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYLENE OXIDE	75218

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

FERRIC CHLORIDE	7705080
FERROUS SULFATE	7720787
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO- HYDRAZINE	109999
HYDROCHLORIC ACID	302012
HYDROFLUORIC ACID	7647010
HYDROGEN PEROXIDE	7664393
HYDROQUINONE	7722841
ISO-BUTYL ACETATE	123319
ISO-BUTYRIC ACID	110190
ISOPROPYL ALCOHOL	79312
LEAD	78831
MALEIC ACID	7439921
MERCURIC CHLORIDE	110167
MERCURY	7487947
METHANOL	7439976
METHYL ETHYL KETONE	67561
METHYL ISOBUTYL KETONE	78933
MONOETHYLAMINE	108101
N-BUTYL ALCOHOL	75047
N-BUTYL PHTHALATE	71363
N-DIOCTYLPHTHALATE	84742
NICKEL	117840
NICKEL CHLORIDE	7440020
NICKEL SULFATE	7718549
NITRIC ACID	7786814
PENTACHLOROPHENOL	7697372
PHENOL	87865
PHENYL MERCURIC ACETATE	108952
PHOSPHORIC ACID	62384
PHOSPHORUS	7664382
PHOSPHORUS OXYCHLORIDE	7723140
PHOSPHORUS PENTOXIDE	10025873
PHOSPHORUS TRICHLORIDE	1314563
POTASSIUM CYANIDE	7719122
POTASSIUM HYDROXIDE	151508
	1310583

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
POTASSIUM PERMANGANATE	7722647
PROPYLENE OXIDE	75569
PYRIDINE	110861
RESORCINOL	108463
SACCHARIN	81072
SEC-BUTYL ACETATE	105464
SELENIOUS ACID	7783008
SELENIUM	7782492
SILVER	7440224
SILVER CYANIDE	506649
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM DODECYLBENZENESULFONATE	25155300
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
SODIUM SELENITE	10102188
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TELLURIUM	13494809
TETRACHLOROETHYLENE	127184
THALLIUM	7440280
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC NITRATE	7779886
ZINC PHENOLSULFONATE	127822
ZINC PHOSPHIDE	1314847

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
	ZINC SULFATE	7733020
CITY: SALEM	1,1,1-TRICHLOROETHANE	71556
	1,2-DICHLOROBENZENE	95501
	1,2-DICHLOROETHANE	107062
	1,4-DIOXANE	123911
	ACETIC ACID	64197
	ACETONE	67641
	AMMONIA	7664417
	AMMONIUM BIFLUORIDE	1341497
	AMMONIUM CARBONATE	506876
	AMMONIUM CHLORIDE	12125029
	AMMONIUM HYDROXIDE	1336216
	AMMONIUM SULFITE	10196040
	AMMONIUM THIOCYANATE	1762954
	AMYL ACETATE	628637
	ANTIMONY	7440360
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
	BENZOIC ACID	65850
	BIS(2-CHLOROETHYL) ETHER	111444
	BUTYL ACETATE	123864
	CALCIUM HYPOCHLORITE	7778543
	CARBON TETRACHLORIDE	56235
	CHLORINE	7782505
	CHROMIC ACID	7738945
	CHROMIUM	7440473
	COPPER	7440508
	COPPER CYANIDE	544923
	CYCLOHEXANONE	108941
	DICHLOROMETHANE	75092
	EPICHLOROHYDRIN	106898
	ETHANOL, 2-ETHOXY-	110805
	FORMALDEHYDE	50000
	FORMIC ACID	64186
	HYDROCHLORIC ACID	7647010
	HYDROGEN PEROXIDE	7722841
	HYDROQUINONE	123319
	ISO-BUTYL ACETATE	110190

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
LEAD	7439921
MERCURIC ACETATE	1600277
METHANOL	67561
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
NICKEL	7440020
NITRIC ACID	7697372
PHENOL	108952
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM CYANIDE	143339
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	7758294
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
THIRAM	137268
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRIETHYLAMINE	121448
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC CYANIDE	557211
CITY: SOUTH BOSTON	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROBENZENE	95501
ACETIC ACID	64197
ACETONE	67641
AMMONIA	7664417

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
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ANTIMONY	7440360
CHLORINE	7782505
CHROMIUM	7440473
CRESOL (MIXED ISOMERS)	1319773
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-BUTYL PHTHALATE	84742
NICKEL	7440020
NITRIC ACID	7697372
PHOSPHORUS	7723140
PHTHALIC ANHYDRIDE	85449
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7758294
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

	CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CITY: STAUNTON	ACETIC ACID	64197
	ACETONE	67641
	AMMONIA	7664417
	AMMONIUM SULFITE	10196040
	CADMIUM	7440439
	COPPER	7440508
	DICHLOROMETHANE	75092
	HYDROQUINONE	123319
	METHYL ISOBUTYL KETONE	108101
	NICKEL	7440020
	PHOSPHORUS	7723140
	POTASSIUM HYDROXIDE	1310583
	SILVER	7440224
	SODIUM	7440235
	SODIUM HYDROXIDE	1310732
	STYRENE	100425
	SULFUR TRIOXIDE	7446119
	TOLUENE	108883
	XYLENE (MIXED ISOMERS)	1330207
	ZINC	7440666
CITY: SUFFOLK	1,1,1-TRICHLOROETHANE	71556
	2,3,4,6-TETRACHLOROPHENOL	58902
	ACETIC ACID	64197
	ACETONE	67641
	ALUMINUM SULFATE	10043013
	AMMONIA	7664417
	AMYL ACETATE	628637
	ANTIMONY	7440360
	ARSENIC	7440382
	ARSENIC ACID	7778394
	ASBESTOS (FRIABLE)	1332214
	BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
	BENZENE, P-DIMETHYL	106423
	BUTYL ACETATE	123864
	CHLORINE	7782505

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CHLOROFORM	67663
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CYCLOHEXANE	110827
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLORODIFLUOROMETHANE	75718
DICHLOROMETHANE	75092
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FORMALDEHYDE	50000
FORMIC ACID	64186
HYDRAZINE	302012
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHthalate	117840
NICKEL	7440020
NITRIC ACID	7697372
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS PENTOXIDE	1314563
POTASSIUM HYDROXIDE	1310583
SILVER	7440224
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM HYDROXIDE	1310732

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SODIUM PHOSPHATE, DIBASIC	7558794
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
CITY: VIRGINIA BEACH	
1,1,1-TRICHLOROETHANE	71556
ACETIC ACID	64197
ACETONE	67641
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BERYLLIUM	7440417
BUTYL ACETATE	123864
BUTYLAMINE	109739
CHROMIUM	7440473
COPPER	7440508
CYCLOHEXANONE	108941
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIMETHYL PHTHALATE	131113
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
FERRIC CHLORIDE	7705080
FORMALDENYDE	50000
FORMIC ACID	64186
HYDROCHLORIC ACID	7647010

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
MERCURY	7439976
METHANOL	67561
METHYL CHLORIDE	74873
METHYL ETHYL KETONE	78933
METHYL ETHYL KETONE PEROXIDE	1338234
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PENTACHLOROPHENOL	87865
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM HYDROXIDE	1310583
SEC-BUTYL ACETATE	105464
SELENIUM OXIDE	7446084
SILVER	7440224
SODIUM	7440235
SODIUM HYDROXIDE	1310732
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, TRIBASIC	7601549
STYRENE	100425
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TETRACHLOROETHYLENE	127184
TOLUENE	108883
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRICHLOROPHENOL	25167822
VINYL ACETATE	108054
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC BORATE	1332076

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
CITY: WAYNESBORO	
1,1,1-TRICHLOROETHANE	71556
2,4-D	94757
ACETIC ACID	64197
ACETONE	67641
ACRYLONITRILE	107131
ADIPIC ACID	124049
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM BICHROMATE	7789095
AMMONIUM BIFLUORIDE	1341497
AMMONIUM CHLORIDE	12125029
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMMONIUM THIOCYANATE	1762954
AMYL ACETATE	628637
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CADMIUM	7440439
CALCIUM HYPOCHLORITE	7778543
CAMPHENE, OCTACHLORO-	8001352
CAMPHENE, OCTACHLORO-	8001352
CARBOFURAN	1563662
CHLORINE	7782505
CHLOROFORM	67663
CHROMIC ACID	11115745
CHROMIUM	7440473
COPPER	7440508
COPPER CYANIDE	544923
CRESOL (MIXED ISOMERS)	1319773
CUMENE HYDROPEROXIDE	80159
CUPRIC CHLORIDE	7447394
CUPRIC SULFATE	7758987
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
DICHLOROMETHANE	75092
DIETHYLAMINE	109897
DIMETHOATE	60515
ETHANOL, 2-ETHOXY-	110805
ETHYL ACETATE	141786
ETHYL ETHER	60297
ETHYLENEDIAMINE	107153
FERRIC CHLORIDE	7705080
FERROUS AMMONIUM SULFATE	10045893
FLUORINE	7782414
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD FLUOBORATE	13814965
MALEIC ACID	110167
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NICKEL CHLORIDE	7718549
NICKEL SULFATE	7786814
NITRIC ACID	7697372
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
POTASSIUM CHROMATE	7789006
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPIONIC ACID	79094
PYRIDINE	110861

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SACCHARIN	81072
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM HYDROSULFIDE	16721805
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
SODIUM SELENITE	10102188
STYRENE	100425
SULFUR DIOXIDE	7446095
SULFUR TRIOXIDE	7446119
SULFURIC ACID	7664939
TERT-BUTYL ACETATE	540885
THIOUREA	62566
TOLUENE	108883
TOLUENE DIISOCYANATE	26471625
TRICHLOROETHYLENE	79016
TRICHLOROMONOFUOROMETHANE	75694
TRIETHYLAMINE	121448
TRINCLOROPHENOL	25167822
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC CHLORIDE	7646857
ZINC CYANIDE	557211
ZINC NITRATE	7779886
ZINC SULFATE	7733020
CITY: WILLIAMSBURG	
AMYL ACETATE	628637
CHROMIC ACID	7738945
CHROMIUM	7440473
DICHLOROMETHANE	75092
FORMALDEHYDE	50000
HYDROQUINONE	123319
METHANOL	67561
NITRIC ACID	7697372

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
PHOSPHORIC ACID	7664382
POTASSIUM HYDROXIDE	1310583
SODIUM HYDROXIDE	1310732
SODIUM PHOSPHATE, TRIBASIC	7601549
SULFURIC ACID	7664939
TOLUENE	108883
CITY: WINCHESTER	
1,1,1-TRICHLOROETHANE	71556
1,2-DICHLOROBENZENE	95501
2,3,4,6-TETRACHLOROPHENOL	58902
ACENAPHTHENE	83329
ACETIC ACID	64197
ACETIC ANHYDRIDE	108247
ACETONE	67641
ACRYLONITRILE	107131
ALUMINUM SULFATE	10043013
AMMONIA	7664417
AMMONIUM ACETATE	631618
AMMONIUM BICARBONATE	1066337
AMMONIUM FLUORIDE	12125018
AMMONIUM HYDROXIDE	1336216
AMMONIUM SULFITE	10196040
AMYL ACETATE	628637
ANTIMONY TRIOXIDE	1309644
ARSENIC OXIDE	1327533
ARSENOUS OXIDE	1327533
ASBESTOS (FRIABLE)	1332214
BENZENE	71432
BENZENE, 1-(CHLOROMETHYL)-4-NITRO	100414
BENZENE, P-DIMETHYL	106423
BENZOIC ACID	65850
BROMINE	7726956
BUTYL ACETATE	123864
BUTYL BENZYL PHTHALATE	85687
CADMIUM	7440439
CHLORINE	7782505
CHROMIC ACID	7778509
CHROMIUM	7440473

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

COPPER	7440508
CRESOL (MIXED ISOMERS)	1319773
CUPRIC SULFATE	7758987
CYCLOHEXANE	110827
CYCLOHEXANONE	108941
CYCLOHEXYLAMINE	108918
DI(2-ETHYLHEXYL) PHTHALATE	117817
DICHLOROMETHANE	75092
DIETHYLAMINE	109897
EDTA	60004
ETHYL ACETATE	141786
ETHYL ETHER	60297
FERRIC CHLORIDE	7705080
FERRIC NITRATE	10421484
FERROUS AMMONIUM SULFATE	10045893
FERROUS SULFATE	7720787
FORMALDEHYDE	50000
FORMIC ACID	64186
FURAN, TETRAHYDRO-	109999
HYDROCHLORIC ACID	7647010
HYDROFLUORIC ACID	7664393
HYDROGEN PEROXIDE	7722841
HYDROQUINONE	123319
ISO-BUTYL ACETATE	110190
ISOPROPYL ALCOHOL	78831
LEAD	7439921
LEAD SUBACETATE	1335326
LEAD SULFATE	7446142
LEAD SULFIDE	1314870
M-CRESOL	108394
MERCURIC CHLORIDE	7487947
MERCURIC NITRATE	10045940
MERCURIC OXIDE	21908532
MERCURIC THIOCYANATE	592858
MERCURY	7439976
METHANOL	67561
METHYL ETHYL KETONE	78933
METHYL ISOBUTYL KETONE	108101
N-BUTYL ALCOHOL	71363

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
N-DIOCTYLPHTHALATE	117840
NICKEL	7440020
NICKEL AMMONIUM SULFATE	15699180
NITRIC ACID	7697372
O-CRESOL	95487
O-TOLUIDINE	95534
P-CRESOL	106445
P-NITROPHENOL	100027
PARAFORMALDEHYDE	30525894
PENTACHLOROPHENOL	87865
PHENOL	108952
PHENOXARSINE, 10,10'-OXYDI-	58366
PHENYLMERCURIC ACETATE	62384
PHOSPHORIC ACID	7664382
PHOSPHORUS	7723140
PHOSPHORUS OXYCHLORIDE	10025873
PHOSPHORUS PENTOXIDE	1314563
PHOSPHORUS TRICHLORIDE	7719122
POTASSIUM CYANIDE	151508
POTASSIUM HYDROXIDE	1310583
POTASSIUM PERMANGANATE	7722647
PROPIONIC ACID	79094
PROPYLENE OXIDE	75569
SELENIUM	7782492
SILVER	7440224
SILVER NITRATE	7761888
SODIUM	7440235
SODIUM AZIDE	26628228
SODIUM BICHROMATE	10588019
SODIUM BISULFITE	7631905
SODIUM CYANIDE	143339
SODIUM FLUORIDE	7681494
SODIUM HYDROXIDE	1310732
SODIUM HYPOCHLORITE	7681529
SODIUM NITRITE	7632000
SODIUM PHOSPHATE, DIBASIC	7558794
SODIUM PHOSPHATE, TRIBASIC	10124568
STYRENE	100425
SULFUR TRIOXIDE	7446119

APPENDIX B - EHS AND CERCLA HAZARDOUS SUBSTANCES BY LOCATION (CITY)

CHEMICAL REPORTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER
SULFURIC ACID	7664939
THIOSEMICARBAZIDE	79196
THIOUREA	62566
THIRAM	137268
TOLUENE	108883
TRIETHANOLAMINE DODECYLBENZENE SULFONATE	27323417
VINYL ACETATE	108054
VINYL CHLORIDE	75014
XYLENE (MIXED ISOMERS)	1330207
ZINC	7440666
ZINC BORATE	1332076
ZINC SULFATE	7733020

APPENDIX C

COMPANY	ADDRESS	TELEPHONE
<p>Facilities that store SARA Title III Section 302 extremely hazardous substances (EHSs) in excess of their threshold planning quantities are required to notify the Virginia Emergency Response Council and their local emergency planning committee. These facilities must designate a facility emergency coordinator and participate in the emergency response planning process at the local level. Currently, there are 1278 such facilities within Virginia.</p>		
ABINGDON WASTE WATER TREATMENT PLANT	ROUTE 670, 1/2 MI. S. OF I-81, ABINGDON, 24210	703-628-4321
ADAMS AND ADKINS, INC.	1210 QUEEN STREET, ALEXANDRIA, 22314	703-836-6655
ADESSO PRECISION MACHINE COMPANY	3517 ARGONNE AVENUE, NORFOLK, 23509	804-857-5544
AEROFIN CORPORATION	4621 MURRAY PLACE, LYNCHBURG, 24502	804-845-7081
AG-CHEM, INC.	521 HILLMAN DRIVE, WINCHESTER, 22601	703-622-1742
AG-CHEM, INC.	ROUTE 13, P.O. BOX 6, EASTVILLE, 23347	804-678-5165
AG-CHEM, INC.	P.O. BOX 577, WAVERLY, 23888	804-678-5165
AH ROBINS COMPANY	2258 DARBYTOWN ROAD, RICHMOND, 23231	804-257-2000
AILEEN INC.	ROUTE 673, EDINBURG, 22824	703-984-4181
AIR PRODUCTS AND CHEMICALS, INC.	1800 BATTERY DANTZLER ROAD, CHESTER, 23831	804-796-3955
AIR PRODUCTS AND CHEMICALS, INC.	411 ROTARY STREET, HAMPTON, 23670	804-826-5430
AIR PRODUCTS AND CHEMICALS, INC.	603 CENTRE AVENUE, N.W., ROANOKE, 24016	703-343-3683
AIRCO INDUSTRIAL GASES	INDUSTRIAL STREET, HOPEWELL, 23860	804-458-0928
ALCATEL CABLE SYSTEMS	7635 PLANTATION ROAD, ROANOKE, 24019	703-265-0618
ALCO CONTROLS	555 PEPPERS FERRY ROAD, WYTHEVILLE, 24382	703-228-8131
ALEXANDRIA METAL FINISHERS, INC.	9418 GUNSTON COVE RD, LORTON, 22079	703-643-1636
ALEXANDRIA SANITATION AUTHORITY	835 S. PAYNE STREET, ALEXANDRIA, 22313	703-549-3381
ALLEGHENY POWER SYSTEM	RT 11 S, STEPHENS CITY, 22655	703-665-0115
ALLIANCE FERTILIZER OF NORTHERN NECK INC.	ROUTE 360, HEATHSVILLE, 22473	804-580-5600
ALLIANCE FERTILIZER OF NORTHERN NECK INC.	ROUTE 360, HAYNESVILLE, 22472	804-333-4234
ALLIED COLLOIDS, INC.	2301 WILROY ROAD, SUFFOLK, 23434	804-934-3700
ALLIED CONCRETE	1000 HARRIS STREET, CHARLOTTESVILLE, 22901	804-296-7181
ALLIED SIGNAL - CHESTERFIELD PLANT	4101 BERMUDA HUNDRED ROAD, CHESTERFIELD,	804-541-6124
ALLIED SIGNAL - HOPEWELL PLANT	RT. 10 E. RANDOLPH RD, HOPEWELL, 23860	804-541-5730
ALLIED SIGNAL - TECHNICAL CENTER	TECHNICAL CENTER, PETERSBURG, 23804	804-520-3221
ALLIMAC STAMPING COMPANY, INC.	301 N. DUNLOP STREET, PETERSBURG, 23803	804-732-5451
ALPENGLow SPARKLING CIDER	ROUTE 1, BOX 35, LINDEN, 22642	703-635-2118
ALTIZER PRINTING	ROUTE 220 SOUTH, MARTINSVILLE, 24112	703-638-1055
ALTUF CORPORATION	4625 EAST PRINCESS ANNE ROAD, NORFOLK, 23502	804-853-7641
AMELIA LUMBER COMPANY, INC.	LEIDIG & CROWDER STREETS, AMELIA, 23002	804-561-2155
AMERICAN FURNITURE COMPANY	HAIRSTON STREET, MARTINSVILLE, 24115	703-632-2061
AMERICAN GFH CORPORATION	1200 CAVALIER BLVD., CHESAPEAKE, 23323	804-487-2442
AMERICAN INKS & COATINGS, CORP.	111 AGENCY AVENUE, RICHMOND, 23225	804-232-5565
AMERICAN MIRROR COMPANY, INC.	602 EAST STUART DRIVE, GALAX, 24333	703-236-5111

COMPANY	ADDRESS	TELEPHONE
AMERICAN ORIGINAL CORPORATION	RT. 603 WILLIS WHARF RD, WILLIS WHARF, 23486	804-442-7011
AMERICAN TOBACCO COMPANY - LUCKY STRIKE STORAGES	1400 INGRAM AVENUE, RICHMOND, 23224	804-231-4421
AMERICAN TOBACCO COMPANY - TOM WALKER STORAGES	400 JEFFERSON DAVIS HIGHWAY, RICHMOND, 23224	804-231-4421
AMERICAN TOBACCO COMPANY - HAMMER DIVISION	13101 N. ENON CHURCH ROAD, CHESTER, 23860	804-748-4561
AMERICAN WOODMARK CORPORATION	109 BYRD AVENUE, PERRYVILLE, 22611	703-955-3174
AMOCO OIL COMPANY	YORKTOWN REFINERY, YORKTOWN, 23690	804-898-5120
AMP INC. - BUILDING 175	520 KIMBALL AVE., N.E., ROANOKE, 24006	703-433-1264
AMP INC. - BUILDING 151	1175 N. MAIN STREET, HARRISONBURG, 22801	703-433-1201
AMP INC. - BUILDING 150	ROUTE 11 NORTH, MOUNT SIDNEY, 24467	703-433-1240
AMSCO PRODUCTS - CAMCAR DIV. OF TEXTRON INC.	345 EAST MARSHALL STREET, WYTHEVILLE, 24382	703-228-8141
ANHEUSER-BUSCH, INC. - BREWERY OPERATIONS	7801 POCAHONTAS TR., WILLIAMSBURG, 23185	804-253-3692
APPALACIAN POWER CO. - CLINCH RIVER PLANT	P.O. BOX 157, CLEVELAND, 24225	703-889-1540
APPALACIAN POWER CO. - SHITH MTN. VISITORS CTR	RT 1 BOX 69, SANDY LEVEL, 24161	703-985-2376
APPOMATTOX SERVISTAR OIL COMPANY, INC.	CHURCH AND MAIN STREETS, APPOMATTOX, 24522	804-352-7141
APPOMATTOX RIVER WATER AUTHORITY	21300 CHESDIN ROAD, PETERSBURG, 23803	804-590-1145
AQUALON COMPANY	1111 HERCULES RD, HOPEWELL, 23860	804-541-4507
ARLINGTON PRINTERS & STATIONERS, INC.	2601 COLUMBIA PIKE, ARLINGTON, 22204	703-920-6200
ART PRINTING COMPANY	120 W. LUCK AVENUE, ROANOKE, 24011	703-342-0224
ASHLAND CHEMICAL CO.-INDUSTRIAL CHEM & SOLVENTS	2410 PATTERSON AVENUE S.W., ROANOKE, 24008	703-981-1251
AT&T - WARRENTON	RT 1 BOX 189, WARRENTON, 22186	703-373-0300
AT&T - ROANOKE	P.O. BOX 4707, ROANOKE, 24003	804-623-6712
AT&T - FREDERICKSBURG	P.O. BOX 1278 COLLEGE STN, FREDERICKSBURG, 22402	703-471-2143
AT&T - RICHMOND	2510 TURNER RD RM 100, RICHMOND, 23225	804-745-6545
AT&T - MOSELEY	20425 DUVAL RD, MOSELEY, 23120	804-628-0690
AT&T - KESWICK	RT 1 BOX 262, KESWICK, 22947	703-832-2218
AT&T - HERNDON	11820 LEESBURG PIKE, HERNDON, 22070	703-553-4714
AT&T - NORFOLK	136 W. BUTE ST 4TH FL, NORFOLK, 23510	804-628-0690
AT&T - AYLETT	RT 2 BOX 1216, AYLETT, 23009	804-225-1580
AT&T - PURCELLVILLE	RT 1 BOX 141, PURCELLVILLE, 22132	703-668-6152
AT&T - ARLINGTON	5301 22ND ST N, ARLINGTON, 22205	703-553-4708
AT&T - LYNCHBURG	700 CHURCH ST, LYNCHBURG, 24504	804-623-6712
AT&T - CHARLOTTESVILLE	1430 E. HIGH ST, CHARLOTTESVILLE, 22901	703-373-0300
AT&T - RICHMOND	703 E. GRACE ST, RICHMOND, 23220	804-225-1580
AT&T INFORMATION SYSTEMS - WASHINGTON SRV. CENT.	1201 S. HAYES STREET, ARLINGTON, 22202	703-553-5226
AT&T TECHNOLOGIES	ROUTE 679, EAST OF RT. 114, FAIRLAWN, 24141	703-731-8447
AT&T TECHNOLOGY SYSTEMS - RICHMOND WORKS	4500 S. LABURNUM AVENUE, RICHMOND, 23231	804-226-5641
ATLANTIC RESEARCH CORPORATION	6390 CHEROKEE AVENUE, ALEXANDRIA, 22312	703-642-6411
ATLANTIC RESEARCH CORPORATION	7511 WELLINGTON ROAD, GAINESVILLE, 22065-1699	703-642-6411
ATLANTIC WOOD INDUSTRIES, INC.	ROUTE 671, NEWSOMS, 23874	804-654-9462
ATLANTIC WOOD INDUSTRIES, INC.	3950 ELM AVENUE, PORTSMOUTH, 23704	804-397-2317

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
AUGUSTA COOPERATIVE FARM BUREAU, INC.	U.S. 11, FAIRFIELD, 24435	703-885-1265
AUGUSTA COOPERATIVE FARM BUREAU, INC.	1205 B RICHMOND ROAD, STAUNTON, 24401	703-885-1265
AUGUSTA COOPERATIVE FARM BUREAU, INC.	MAIN STREET, WEYERS CAVE, 24486	703-885-1265
AUGUSTA COOPERATIVE FARM BUREAU, INC.	1340 NEW HOPE ROAD, WAYNESBORO, 22980	703-885-1265
AUGUSTA COUNTY SERVICE AUTHORITY	RT 996 - WEYERS CAVE SEWER PLA, WEYERS CAVE, 24486	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 11 - MT. SIDNEY SEWER, MOUNT SIDNEY, 24467	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 340 - VESPER VIEW SEWER PLA, CRIMORA, 24431	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 42 - AUGUSTA SPRINGS WATER, AUGUSTA SPRINGS, 24411	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 664 - LYNDBURST WELL, LYNDBURST, 22952	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 654 - BROOKWOOD SEWER PLANT, BROOKWOOD, 24401	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 635 - STAUNTON PLAZA SEWER, STAUNTON, 24401	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 670 - MIDDLEBROOK WATER SYS, MIDDLEBROOK, 24459	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 794 - FISHERSVILLE SEWER PL, FISHERSVILLE, 22939	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 639 - STUARTS DRAFT SEWER P, STUARTS DRAFT, 24477	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 612 - VERONA SEWER PLANT, VERONA, 24482	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 703 - RIVERHEADS H.S. SEWER, GREENVILLE, 24440	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 778 - HARRISTON SEWER PLANT, HARRISTON, 24441	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 660 - COLES RUN WATER SYSTE, STUARTS DRAFT, 24477	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RT 778 - NEW HOPE SEWER PLANT, NEW HOPE, 24469	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 994 - DICES SPRING WATER SY, WEYERS CAVE, 24486	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RT 626 - BERRY FARM WATER SYST, VERONA, 24482	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY - WAREHOUSE	RT 877, FISHERSVILLE, 22939	703-886-9470
AUTOMATED CONVEYOR SYSTEMS, INC.	800 KEMPER STREET, LYNCHBURG, 24501	804-528-3822
AUTOMOTIVE INDUSTRIES, INC.	E. QUEEN STREET, STRASBURG, 22657	703-465-3741
BABCOCK & WILCOX - NAVAL NUCLEAR FUEL DIVISION	US ROUTE 460, MT. ATHOS, 24505	804-522-6000
BADGER POWHATAN	ROUTE 29 NORTH, CHARLOTTESVILLE, 22906	804-973-4361
BAGWELL OIL COMPANY, INC.	33 MARKET STREET, ONANCOCK, 23417	804-787-3580
BALL CORPORATION	8935 POCAHONTAS TRAIL, WILLIAMSBURG, 23185	303-469-5511
BARNES LUMBER CORPORATION	1325 CARLTON AVENUE, CHARLOTTESVILLE, 22901	804-295-4104
BARRETT-FORD OILS	HIGHWAY 186, BOYKINS, 23827	804-654-6464
BASF CORPORATION - FIBERS DIVISION	ROUTE 60, WILLIAMSBURG, 23187	804-887-6000
BASIC CONSTRUCTION COMPANY	538 OYSTER POINT RD., NEWPORT NEWS, 23602	804-877-6454
BASSETT FURNITURE INDUSTRIES	MAIN ST., BASSETT, 24055	703-629-7511
BAYSHORE CONCRETE PRODUCTS CORP.	BAYSHORE ROAD, NORFOLK, 23310	804-331-2300
BEAR ISLAND PAPER COMPANY	RT 738 EAST, GUM TREE, 23005	804-227-3394
BENDIX ELECTRONICS	615 BLAND BLVD, NEWPORT NEWS, 23602	804-875-7010
BENJAMIN MOORE & COMPANY	WEST ROSLYN RD, COLONIAL HEIGHTS, 23834	804-526-6611
BERNUTH, LEMBCKE CO., INC. - CHESEPEAKE FACILITY	101 FREEMAN AVENUE, CHESAPEAKE, 23324	904-355-6587
BGF INDUSTRIES, INC.	401 AMHERST AVE, ALTAVISTA, 24517	804-369-4751
BIG STONE OIL COMPANY, INC.	1809 E. SECOND AVE., BIG STONE GAP, 24219	703-523-0217

COMPANY	ADDRESS	TELEPHONE
BINSWANGER GLASS COMPANY	3737 VIRGINIA BEACH BLVD., NORFOLK, 23502	804-857-0601
BLACKSTONE FUEL & SUPPLY COMPANY, INC.	300 BROWN STREET, BLACKSTONE, 23824	804-292-7214
BLUE BEACON OF FREDERICKSBURG	195 & RT 17, FREDERICKSBURG, 22404	703-371-3786
BLUE BEACON OF FT. CHISWELL	181 EXIT 25, FT. CHISWELL, 24360	703-637-3468
BLUE RIDGE TALC COMPANY, INC.	P.O. BOX 39, HENRY, 24102	703-629-5325
BLUEFIELD BEVERAGE COMPANY	ROUTE 2, BOX 173-1, BLUEFIELD, 24605	703-322-3411
BOEING COMPUTER SERVICES	7910-7990 BOEING COURT, VIENNA, 22180	703-556-3768
BOOKCRAFTERS, INC. (AMERICAN BUSINESS PRODUCTS)	LEE HILL INDUSTRIAL PARK, FREDERICKSBURG, 22404	703-371-3800
BORDEN, INC. - DAIRY DIVISION	409 WEST FIRST STREET, RADFORD, 24141	703-639-3928
VALLEY MILK PRODUCTS	EAST KING STREET, STRASBURG, 22657	703-465-5113
BOXES TO SIZE, INC.	3019 IMPALA PLACE, RICHMOND, 23228	804-262-8604
BP OIL COMPANY	3950 BURTON'S POINT ROAD, PORTSMOUTH, 23704	804-397-3455
BRADLEY SAW MILL INC.	ROUTE 1, COVINGTON, 24426	703-962-1833
BRIDGE PRODUCTS, INC.	205 FRAZIER ROAD, ALTAVISTA, 24517	804-369-4741
BRIDGEWATER COLLEGE	EAST COLLEGE STREET, BRIDGEWATER, 22812	703-828-2501
BRIER'S CUSTOM BUILT CABINETS	5801 COURTHOUSE ROAD, PRINCE GEORGE, 23875	804-732-8475
BRISTOL COMPRESSORS, INC.	649 INDUSTRIAL PARK ROAD, BRISTOL, 24201	703-466-4121
BRISTOL VIRGINIA UTILITIES	ROUTE 1, BOX 407, BRISTOL, 24210	703-628-7521
BROCKWAY, INC.	ROUTE 3, BOX 190, RINGGOLD, 24586	804-799-5880
BRUNSWICK CORPORATION - DEFENSE DIVISION	150 JOHNSTON ROAD, MARION, 24354	703-783-3121
BUFFALO FORGE COMPANY	INDUSTRIAL PARK, AMHERST, 24521	804-946-7455
BURGESS SNYDER INDUSTRIES, INC.	560 BAKER ROAD, VIRGINIA BEACH, 23462	804-490-3131
BURLINGTON INDUSTRIES, INC. - GLASGOW PLANT	ANDERSON ST. EXT., RT. #1, GLASGOW, 24555	703-258-2811
BURLINGTON INDUSTRIES, INC. - NEWBERN PLANT	HIGHWAY 682, DUBLIN, 24084	703-980-4646
BURLINGTON INDUSTRIES, INC. - HALIFAX PLANT	COWFORD ROAD, HALIFAX, 24588	919-379-2503
BURLINGTON INDUSTRIES, INC. - CLARKSVILLE FINISH	HIGHWAY 722, CLARKSVILLE, 23927	919-379-2503
BURLINGTON INDUSTRIES, INC. - SOUTH HILL PLANT	800 GOODES FERRY BLVD, SOUTH HILL, 23970	804-448-1238
BURLINGTON INDUSTRIES, INC. - VINTON PLANT	RT 24 E. 323 VIRGINIA AVE, VINTON, 24179	703-343-4448
BURLINGTON INDUSTRIES, INC. - RADFORD PLANT	309 NORWOOD STREET, RADFORD, 24141	703-731-3603
C&A WOOD PRODUCTS, INC.	RIVERSIDE DR AT N. TAZEWEEL, TAZEWEEL, 24630	703-988-4890
C&P TELEPHONE CO. - ACCOMACK	150 MARKET STREET, ONANCOCK, 23417	804-857-9100
C&P TELEPHONE CO. - NORFOLK	15TH & BAY STREETS, NORFOLK, 23518	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	1020 INDIAN LAKES BLVD., VIRGINIA BEACH, 23462	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	6028 E. INDIAN RIVER ROAD, VIRGINIA BEACH, 23462	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	316 32ND STREET, VIRGINIA BEACH, 23451	301-236-1860
C&P TELEPHONE CO. - CHESAPEAKE	1414 GUERRIERE STREET, CHESAPEAKE, 23324	301-236-1860
C&P TELEPHONE CO. - RICHMOND	2521 WAYSIDE DRIVE, RICHMOND, 23235	301-236-1860
C&P TELEPHONE CO. - PORTSMOUTH	1100 OLD HODGES FERRY ROAD, PORTSMOUTH, 23701	301-236-1860
C&P TELEPHONE CO. - HAMPTON	11 WYTHE CREEK ROAD, HAMPTON, 23666	301-236-1860
C&P TELEPHONE CO. - RICHMOND	2820-2824 2ND AVENUE, RICHMOND, 23222	301-236-1860

COMPANY	ADDRESS	TELEPHONE
C&P TELEPHONE CO. - PORTSMOUTH	804 HIGH STREET, PORTSMOUTH, 23704	301-236-1860
C&P TELEPHONE CO. - TANGIER ISLAND	P.O. BOX 59, TANGIER ISLAND, 23440	804-857-9100
C&P TELEPHONE CO. - FALLS CHURCH	2935 GALLOWS ROAD, FALLS CHURCH, 22042	301-236-1860
C&P TELEPHONE CO. - EASTVILLE	P.O. BOX 35, EASTVILLE, 23347	301-236-1860
C&P TELEPHONE CO. - TEMPERANCEVILLE	P.O. BOX 28 OR 218, TEMPERANCEVILLE, 23442	804-857-9100
C&P TELEPHONE CO. - VIRGINIA BEACH	132 SOUTH PLAZA TRAIL, VIRGINIA BEACH, 23452	301-236-1860
C&P TELEPHONE CO. - HAMPTON	537 WOODLAWN ROAD, HAMPTON, 23669	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	CENTREVILLE TURNPIKE, VIRGINIA BEACH, 23464	301-236-1860
C&P TELEPHONE CO. - ALEXANDRIA	6316 GROVEDALE DRIVE, ALEXANDRIA, 22310	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	221 DORSET AVENUE, VIRGINIA BEACH, 23462	301-236-1860
C&P TELEPHONE CO. - NEWPORT NEWS	3305 HUNTINGTON AVE., NEWPORT NEWS, 23607	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	1585 GREAT NECK ROAD, VIRGINIA BEACH, 23454	301-236-1860
C&P TELEPHONE CO. - HAMPTON	1606 ABERDEEN ROAD, HAMPTON, 23666	301-236-1860
C&P TELEPHONE CO. - NORFOLK	8910 GRANBY STREET, NORFOLK, 23503	301-236-1860
C&P TELEPHONE CO. - WEST POINT	16TH & MAIN STREET, WEST POINT, 23181	301-236-1860
C&P TELEPHONE CO. - ALEXANDRIA	2806 POPKINS LANE, ALEXANDRIA, 22306	301-236-1860
C&P TELEPHONE CO. - CENTERVILLE	13361 LEE HIGHWAY, CENTERVILLE, 22020	301-236-1860
C&P TELEPHONE CO. - WILLIAMSBURG	404 SOUTH HENRY STREET, WILLIAMSBURG, 23185	301-236-1860
C&P TELEPHONE CO. - CHESAPEAKE	3200 CHURCHLAND BLVD., CHESAPEAKE, 23321	301-236-1860
C&P TELEPHONE CO. - LIGHTFOOT	9024 RICHMOND ROAD, LIGHTFOOT, 23090	301-236-1860
C&P TELEPHONE CO. - NEWPORT NEWS	12805 JEFFERSON AVENUE, NEWPORT NEWS, 23602	301-236-1860
C&P TELEPHONE CO. - HAMPTON	131 QUEENS WAY, HAMPTON, 23669	301-236-1860
C&P TELEPHONE CO. - SUFFOLK	ROUTE 337, DRIVER, 23435	301-236-1860
C&P TELEPHONE CO. - NORFOLK	1624 WEST LITTLE CREEK RD., NORFOLK, 23505	301-236-1860
C&P TELEPHONE CO. - SPRINGFIELD	8130 KEENE MILL ROAD, SPRINGFIELD, 22150	301-236-1860
C&P TELEPHONE CO. - RICHMOND	3310 HULL STREET, RICHMOND, 23224	301-236-1860
C&P TELEPHONE CO. - VIENNA	2702 SUTTON ROAD, VIENNA, 22180	301-236-1860
C&P TELEPHONE CO. - EXMORE	MONROE STREET, EXMORE, 23350	301-236-1860
C&P TELEPHONE CO. - PARKSLEY	ADELAIDE STREET, PARKSLEY, 23421	804-857-9100
C&P TELEPHONE CO. - HERNDON	2516 HORSEPEN ROAD, HERNDON, 22070	301-236-1860
C&P TELEPHONE CO. - CHINCOTEAGUE	MUMFORD STREET, CHINCOTEAGUE, 23336	804-857-9100
C&P TELEPHONE CO. - CHESAPEAKE	957 GEORGE WASHINGTON HWY., CHESAPEAKE, 23323	301-236-1860
C&P TELEPHONE CO. - SPRINGFIELD	9419 BRADDOCK ROAD, SPRINGFIELD, 22015	301-236-1860
C&P TELEPHONE CO. - ALEXANDRIA	1316 MT. VERNON AVENUE, ALEXANDRIA, 22301	301-236-1860
C&P TELEPHONE CO. - CAPE CHARLES	CAPE CHARLES AIR FORCE BASE, CAPE CHARLES, 23310	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	SALEM ROAD, VIRGINIA BEACH, 23456	301-236-1860
C&P TELEPHONE CO. - ORANGE	139 BELLVIEW AVENUE, ORANGE, 22960	301-236-1860
C&P TELEPHONE CO. - LORTON	10206 BELMOUNT BLVD., LORTON, 22079	301-236-1860
C&P TELEPHONE CO. - NEWPORT NEWS	10 HARPERSVILLE ROAD, NEWPORT NEWS, 23607	301-236-1860
C&P TELEPHONE CO. - WARRENTON	87 LEE STREET, WARRENTON, 22186	301-236-1860

COMPANY	ADDRESS	TELEPHONE
C&P TELEPHONE CO. - ALEXANDRIA	8534 OLD MT. VERNON ROAD, ALEXANDRIA, 22309	301-236-1860
C&P TELEPHONE CO. - STERLING PARK	STATE ROUTE 7 & 637, STERLING PARK, 22170	301-236-1860
C&P TELEPHONE CO. - ARLINGTON	4805 KING STREET, ARLINGTON, 22206	301-236-1860
C&P TELEPHONE CO. - ALEXANDRIA	6538 LITTLE RIVER TURNPIKE, ALEXANDRIA, 22312	301-236-1860
C&P TELEPHONE CO. - FAIRFAX	10431 LEE HIGHWAY, FAIRFAX, 22030	301-236-1860
C&P TELEPHONE CO. - HERNDON	1130 ELDEN STREET, HERNDON, 22070	301-236-1860
C&P TELEPHONE CO. - GREAT FALLS	755 WALKER ROAD, GREAT FALLS, 22066	301-236-1860
C&P TELEPHONE CO. - CAPE CHARLES	STATE HIGHWAY 641, CAPE CHARLES, 23310	301-236-1860
C&P TELEPHONE CO. - SANDSTON	HANOVER ROAD & MARY STREET, SANDSTON, 23150	804-772-3051
C&P TELEPHONE CO. - NORFOLK	5600 BRICKELL ROAD, NORFOLK, 23502	301-236-1860
C&P TELEPHONE CO. - RICHMOND	5101 RANDALL AVENUE, RICHMOND, 23231	804-772-3051
C&P TELEPHONE CO. - NEWPORT NEWS	37 YORKTOWN ROAD, NEWPORT NEWS, 23603	301-236-1860
C&P TELEPHONE CO. - NORFOLK	3131 E. SEWELLS POINT ROAD, NORFOLK, 23513	301-236-1860
C&P TELEPHONE CO. - HERNDON	2905 FOXMILL ROAD, HERNDON, 22070	301-236-1860
C&P TELEPHONE CO. - VIRGINIA BEACH	8910 PLEASURE HOUSE ROAD, VIRGINIA BEACH, 23455	301-236-1860
C&P TELEPHONE CO. - TOANO	, TOANO, 23168	301-236-1860
C&P TELEPHONE CO. - MECHANICSVILLE	6130 MEADOWBRIDGE, MECHANICSVILLE, 23111	301-236-1860
C&P TELEPHONE CO. - ARLINGTON	6700 LEE HIGHWAY, ARLINGTON, 22205	301-236-1860
C&P TELEPHONE CO. - MCLEAN	1701 CHAIN BRIDGE ROAD, MCCLEAN, 22101	301-236-1860
C&P TELEPHONE CO. - RICHMOND	4320 COGBILL ROAD, RICHMOND, 23224	301-236-1860
C&P TELEPHONE CO. - SEAFORD	165 SEAFORD ROAD, SEAFORD, 23696	301-236-1860
CAHILL MANUFACTURING COMPANY, INC.	1032 CAHILL COURT, DANVILLE, 24541	804-793-5651
CAMPBELL COUNTY-RUSTBURG SEWERAGE TREAT. PLANT	STATE ROUTE 838, VILLAGE OF RUSTBURG, 24588	804-239-8654
CAMPBELL COUNTY UTILITIES	8700 TIMBERLAKE ROAD, CAMPBELL COUNTY, 24502	804-239-8654
CANON VIRGINIA, INC.	12000 CANON BLVD, NEWPORT NEWS, 23606	804-881-6000
CARBON COMPONENTS, INC.	2860 CRUSADER CIRCLE, VIRGINIA BEACH, 23456	804-427-3504
CARDINAL OIL COMPANY	4014 WARDS ROAD, LYNCHBURG, 24502	804-239-6931
CARGILL INC. - DOMESTIC SOYBEAN PROCESSING	501 BARNES ROAD, CHESAPEAKE, 23324	804-545-8461
CARGILL INC. - FLOUR MILLING DIVISION	ROUTE #3 EAST #29 BYPASS, CULPEPER, 22701	703-825-1530
CAVALIER SPORTSWEAR, INC.	1260 CREDLE ROAD, VIRGINIA BEACH, 23454	804-425-1530
CB FLEET COMPANY, INC.	4615 MURRAY PLACE, LYNCHBURG, 24506	804-528-4000
CELANESE FIBERS COMPANY	US ROUTE 460, NARROWS, 24124	703-921-1111
CENTRAL STORAGE, INC.	FONTAINE DR.- MARTINSVILLE IND, MARTINSVILLE, 24113	703-638-7411
CERRO METAL PRODUCTS	300 TRIANGLE DRIVE, WEYERS CAVE, 24486	703-234-9251
CF SAUER CO.	2000 WEST BROAD STREET, RICHMOND, 23220	804-359-5786
CFW TELEPHONE CLIFTON FORGE CENTRAL OFFICE	406 COMMERCIAL AVE, CLIFTON FORGE, 24422	703-886-6205
CFW TELEPHONE COVINGTON CENTRAL OFFICE	342 N COURT ST, COVINGTON, 24426	703-886-6205
CFW TELEPHONE WAYNESBORO CENTRAL OFFICE	524 BROAD ST, WAYNESBORO, 22980	703-886-6205
CHEMTREAT, INC.	500 LICKINGHOLE ROAD, ASHLAND, 23005	804-798-3231
CHESAPEAKE CORP. - WOOD PRODUCTS DIVISION	RT 2 & RT 17, FREDERICKSBURG, 22401	703-373-4740

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
CHESAPEAKE CORP.	19TH & MAIN STREET, WEST POINT, 23181	804-843-5243
CHESAPEAKE CORP. - RICHMOND CONTAINER DIVISION	5640 LEWIS ROAD, RICHMOND, 23231	804-226-1550
CHESAPEAKE TOOL & DIE	1332 TRUXTON STREET, CHESAPEAKE, 23324	804-543-2021
CHESTERFIELD CTY-TIMSBURY WASTEWATER PUMP. STA.	END OF ARROWFIELD ROAD, CHESTERFIELD, 23832	804-748-1868
CHESTERFIELD CTY-WOODLAKE WASTEWATER PUMP. STA.	14501 SHELTER COVE POINT, CHESTERFIELD, 23111	804-748-1868
CHESTERFIELD CTY-DRY CREEK WASTE. PUMP. STA.	END OF ASHBROOK PARKWAY, CHESTERFIELD, 23832	804-748-1868
CHESTERFIELD CTY-ASHTON CREEK WASTE. PUMP. STA.	RUFFIN MILL ROAD, CHESTERFIELD, 23831	804-748-1868
CHESTERFIELD CTY-FALLING CREEK WASTE. PUMP. STA.	4700 TURNER ROAD, CHESTERFIELD, 23832	804-748-1868
CHESTERFIELD CTY-BAILEY BRIDGE WASTE. PUMP. STA.	12301 BAILEY BRIDGE ROAD, CHESTERFIELD, 23831	804-748-1868
CHESTERFIELD CTY-MICHAUX CREEK WASTE. PUMP STA.	14625 CASTLEFORD DRIVE, CHESTERFIELD, 23832	804-748-1868
CHESTERFIELD CTY-FALLING CREEK WASTE. TREAT. PL.	6139 JEFFERSON DAVIS HIGHWAY, CHESTERFIELD, 23234	804-748-1868
CHESTERFIELD CTY-PROCTORS CREEK WASTE. TREAT. PL	1200 COXENDALE ROAD, CHESTERFIELD, 23832	804-748-1868
CHESTERFIELD CTY-SWIFT CREEK WATER TREATMENT PL.	13100 HULL STREET, CHESTERFIELD, 23111	804-748-1868
CHARLOTTESVILLE, CITY OF	425 FOURTH ST. N.W., CHARLOTTESVILLE, 22902	804-971-3231
DANVILLE WATER & WASTEWATER DEPARTMENTS	460 WILLIAMSON ROAD, DANVILLE, 24540	804-799-5137
DANVILLE WATER & WASTEWATER DEPARTMENTS	279 PARK AVENUE, DANVILLE, 24541	804-799-6473
DANVILLE WATER & WASTEWATER DEPARTMENTS	WHITMELL STREET, DANVILLE, 24541	804-799-6473
EMPORIA WASTEWATER TREATMENT PLANT	BRIGGS STREET EXTENSION, EMPORIA, 23847	804-634-5682
EMPORIA WATER FILTRATION WORKS	WIGGINS RD, EMPORIA, 23847	804-634-2544
HOPEWELL REGIONAL WASTEWATER FACILITY	231 HUMMEL ROSS ROAD, HOPEWELL, 23860	804-541-2298
LYNCHBURG UTILITIES-COLLEGE HILL FILT.	525 TAYLOR STREET, LYNCHBURG, 24504	804-847-1323
LYNCHBURG UTILITIES-WW TREATMENT PLANT	2301 CONCORD TURNPIKE, LYNCHBURG, 24504	804-847-1634
LYNCHBURG UTILITIES-ABERT FILTRATION PL.	END RT 671 FROM 501 NORTH, LYNCHBURG, 24504	804-847-1323
NEWPORT NEWS WATERWORKS	2400 WASHINGTON AVENUE, 2ND FL, NEWPORT NEWS, 23607	804-245-5891
NEWPORT NEWS HARWOOD MILLS FILTRATION PL	3909 ROUTE 17, GRAFTON, 23692	804-247-8421
NEWPORT NEWS LEE HALL FILTRATION PLANT	36 RESERVOIR RD, NEWPORT NEWS, 23602	804-247-8421
NEWPORT NEWS MERCURY LASALLE PUMP STA.	2001 SELDONDALE DR., HAMPTON, 23669	804-247-8421
NORFOLK - 37TH STREET PLANT	2719 PARK AVENUE, NORFOLK, 23508	804-441-2010
NORFOLK - MOORES BRIDGES PLANT	6040 WATERWORKS ROAD, NORFOLK, 23502	804-441-2010
NORFOLK - WATER DISTRIBUTION	2000 CHURCH STREET, NORFOLK, 23504	804-441-2928
NORTON BENGES BRANCH SEWER PLANT	RT 610, NORTON, 24273	703-679-1204
NORTON GUEST RIVER SEWER PLANT	OLD RT 38A, NORTON, 24273	703-679-1204
NORTON CITY POOL	201 PARK AVE NE, NORTON, 24273	703-679-0754
NORTON WATER TREATMENT PLANT	HIGH KNOB ROAD, NORTON, 24273	703-679-1205
WAYNESBORO CITY SHOPS	900 ESSEX AVENUE, WAYNESBORO, 22980	703-943-6411
WAYNESBORO DISTRICT HOME STATION	1400 DISTRICT HOME DRIVE, WAYNESBORO, 22980	703-942-6643
WAYNESBORO JEFFERSON AVENUE STATION	1140/1157 N. JEFFERSON AVENUE, WAYNESBORO, 22980	703-942-6643
WAYNESBORO COYNER SPRINGS STATION	COYNER SPRINGS PARK, WAYNESBORO, 22980	703-942-6643
WAYNESBORO SEWAGE TREATMENT PLANT	930 ESSEX AVENUE, WAYNESBORO, 22980	703-949-8505
C-K COMPANY (TELEDYNE-VASCO)	STATE ROAD 919, SOUTH BOSTON, 24592	804-575-7994

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COMPANY	ADDRESS	TELEPHONE
CL ROBINSON CORPORATION	530 NORTH CAMERON STREET, WINCHESTER, 22601	703-662-3869
CLARKE PRINTING COMPANY, INC.	521 MONROE STREET, DANVILLE, 24543	804-792-7433
CLINE CHEMICAL DISTRIBUTORS, INC.	CHESTNUT STREET, RICHLANDS, 24641	703-963-3640
CLINE OIL COMPANY, INC.	1920 SOUTH MAIN STREET, HARRISONBURG, 22801	703-434-3892
COASTAL CHEMICAL CORPORATION	HIGHWAY 58, FRANKLIN, 23851	804-562-2261
COASTAL CHEMICAL CORPORATION	HIGHWAY 360, MILLERS TAVERN, 23115	804-443-2329
COBURN OPTICAL INDUSTRIES, INC.	WEST ROSLYN INDUSTRIAL PARK, COLONIAL HEIGHTS, 23834	804-526-8754
COCA-COLA BOTTLING COMPANY OF ROANOKE, INC.	235 SHENANDOAH AVENUE, N.W., ROANOKE, 24033	703-343-8041
COLONIAL CIRCUITS, INC.	ROUTE 17, NORTH, FREDERICKSBURG, 22405	703-752-5511
COLONIAL WILLIAMSBURG FOUNDATION	P.O. BOX C, WILLIAMSBURG, 23187	804-220-7374
COLUMBUS MCKINNON CORP. - DAMASCUS FACILITY	ROUTE 1, BOX 41, DAMASCUS, 24236	703-475-3124
COMDIAL CORPORATION	500 QUINCY AVENUE, SHENANDOAH, 22849	703-652-8106
COMDIAL CORPORATION	1180 SEMINOLE TRAIL, CHARLOTTESVILLE, 22906	804-978-2222
COMMONWEALTH GALAX CORPORATION	204 SHAW STREET, GALAX, 24333	703-236-6177
COMMONWEALTH GAS PIPE LINE	800 MOOREFIELD PARK DRIVE, RICHMOND, 23236	804-323-5351
VA DEPT FOR VISUALLY HANDICAPPED	397 AZALEA AVENUE, RICHMOND, 23227	804-371-3108
VA DEPT OF CORRECTIONS - JAMES RIVER CENTER	JAMES RIVER CORRECTIONAL CENTE, STATE FARM, 23160	804-784-3551
VA DEPT OF TRANSPORTATION	GOOCHLAND COUNTY RESTSTOP, GOOCHLAND, 23063	804-371-2017
VA DEPT OF CORRECTIONS - CENTER FOR WOMEN	1/4 MILE WEST OF ROUTES 6 & 522, GOOCHLAND, 23063	804-784-3582
VA DEPT OF TRANSPORTATION	CAROLINE COUNTY RESTSTOP, CAROLINE, 22427	804-448-4446
COMMONWEALTH PACKAGING CORP. - RIGID BOX DIV.	4212 CASTLEWOOD ROAD, RICHMOND, 23234	804-271-0157
COMMONWEALTH PACKAGING CORP. - FLOODING CARTON	5520 PRIDE ROAD, RICHMOND, 23224	804-231-1133
COMMONWEALTH PROPANE, INC.	800 MOOREFIELD PARK DR., RICHMOND, 23235	804-323-5351
COMMUNITY HOSPITAL OF ROANOKE VALLEY	JEFFERSON STREET & ELM AVENUE, ROANOKE, 24029	703-985-8000
CONAGRA FROZEN FOODS	ROUTE 240 WEST, CROZET, 22932	804-823-5111
CONSOLIDATED CIGAR CORP. - PREMIUM PRODUCTS DIV.	600 PERDUE AVENUE, RICHMOND, 23224	804-233-7668
CONTROLS CORPORATION OF AMERICA	1501 HARPERS ROAD, VIRGINIA BEACH, 23454	804-422-8330
COOPER INDUSTRIES	ROUTE 660, EARLYSVILLE, 22936	804-973-4411
COORS SHENANDOAH BREWERY	HIGHWAY 340, ELKTON, 22827	303-277-2057
CORNING GLASS WORKS	STATE ROADS 1156 & 1157, DANVILLE, 24541	804-793-9511
COUNTY FARM SERVICE, INC.	325 WAUSAU PLACE, CULPEPER, 22701	703-825-2381
COVE CREEK INDUSTRIES, INC.	U.S. HIGHWAY 29, NORTH, COVESVILLE, 22931	804-293-6774
COYNE & DELANY COMPANY	1565 AVON STREET, CHARLOTTESVILLE, 22902	804-296-0166
CR HUDGINS PLATING, INC.	4510 MAYFLOWER DRIVE, LYNCHBURG, 24506	804-847-6647
CROWN CORK AND SEAL COMPANY, INC.	ROUTE 11 N, MARTINSBURG PIKE, WINCHESTER, 22601	703-662-2591
CS POLYMER, INC.	11900 CANON BOULEVARD, NEWPORT NEWS, 23606	804-249-5500
CENRIC SERVICES INC.	2913 TRANSPORT STREET, RICHMOND, 23234	804-275-2693
CSX TRANSPORTATION - NEWPORT NEWS SHOP	5941 JEFFERSON AVENUE, NEWPORT NEWS, 23605	804-380-5230
CSX TRANSPORTATION - CLIFTON FORGE SHOP	501 W. RIDGEWAY ST, CLIFTON FORGE, 24422	703-862-8280
CULPEPER WOOD PRESERVERS	ROUTE 666, CULPEPER, 22701	703-825-5200

COMPANY	ADDRESS	TELEPHONE
DAN RIVER, INC.	ROUTE 360 EAST, DANVILLE, 24543	804-799-4931
DAN RIVER, INC.	WEST MAIN STREET, DANVILLE, 24543	804-799-4931
DAN RIVER, INC.	MEMORIAL DRIVE, DANVILLE, 24543	804-799-4931
DAVID RICHARDS COMPANY	P.O. BOX 2052, WINCHESTER, 22601	703-662-7111
DAVIS OIL COMPANY, INC.	15 KING STREET, ONANCOCK, 23417	804-787-1326
DAVIS PAINT MANUFACTURERS, INC.	3420 CANDLER'S MOUNTAIN ROAD, LYNCHBURG, 24506	804-846-5277
DAYSTROM FURNITURE	HWY 654, SINAI ROAD, SOUTH BOSTON, 24592	804-572-3981
DEAN FOODS COMPANY	1595 MARY STREET, SANDSTON, 23150	804-737-8272
DEGESCH AMERICA, INC.	275 TRIANGLE DRIVE, WEYERS CAVE, 24486	703-234-9281
DELCO MORaine	3401 TIDEWATER TRAIL, FREDERICKSBURG, 22401	703-899-5074
US DEPARTMENT OF THE ARMY	HEADQUARTERS, FORT MONROE, 23651	804-727-3260
US DEPARTMENT OF THE ARMY	CALLER SERVICE 2, RADFORD, 24141	703-639-8482
DIAL CORPORATION	27 MILL LANE, SALEM, 24153	703-389-5401
DISPERSION SPECIALITIES	108 N. LEADBETTER ROAD, ASHLAND, 23005	804-798-9139
DISSTON COMPANY	ROUTE 29 NORTH, DANVILLE, 24543	804-836-5322
DIXIE BEARINGS, INC.	5604 EDGEWOOD AVENUE, LYNCHBURG, 24502	804-239-0305
DIXIE GUANO COMPANY, INC.	611 FACTORY STREET, SUFFOLK, 23434	804-539-7445
DOMINION CHEMICAL COMPANY	2050 PUDDLEDOCK ROAD, PETERSBURG, 23804	804-733-7628
DOUGLAS CHEMICAL COMPANY, INC.	4400 VAWTER AVENUE, RICHMOND, 23222	804-321-0073
DRAGON CHEMICAL CORPORATION	7033 WALROND DRIVE, N.W., ROANOKE, 24019	703-362-3657
DUFFIELD DEVELOPMENT AUTHORITY	US 58 & 421W, DUFFIELD, 24244	703-431-2206
DURALOY CASTINGS	2401 WESLEY STREET, PORTSMOUTH, 23707	804-399-3015
ECOLOCHEM INC.	4545 PATENT ROAD, NORFOLK, 23502	804-855-9000
EDWARDS MACHINE COMPANY, INC.	102 N. LEADBETTER ROAD, ASHLAND, 23005	804-798-8226
EI DUPONT DE NEMOURS & CO., INC.	5400 JEFFERSON DAVIS HWY, RICHMOND, 23261	804-271-4590
EI DUPONT DE NEMOURS & CO., INC.	DU PONT BLVD, WAYNESBORO, 22980	703-949-2036
EI DUPONT DE NEMOURS & CO., INC.	P.O. BOX 4831, MARTINSVILLE, 24112	804-632-9761
EI DUPONT DE NEMOURS & CO., INC.	1201 BELLWOOD PLANT, RICHMOND, 23237	804-275-2745
EI DUPONT DE NEMOURS & CO., INC.	ROUTE 658, FRONT ROYAL, 22630	703-636-2951
ELECTROLUX CORPORATION	300 EAST VALLEY DRIVE, BRISTOL, 24201	703-446-2251
ELECTROPLATE-RITE CORPORATION	ROUTE 11, DUBLIN, 24084	703-674-6156
ELLINGTON ENERGY SERVICES, INC.	1812 WEST THIRD STREET, FARMVILLE, 23901	804-392-3176
EM GRAY & SON	STATE ROUTE 640, MILFORD, 22514	804-633-6800
EMBASSY DAIRY	400 CLAVER AVENUE, ALEXANDRIA, 22313	301-843-1212
EMPIRE PETROLEUM TERMINALS INC.	5500 OLD OSBORNE TURNPIKE, RICHMOND, 23231	804-226-9410
EN HERSHBERGER COMPANY, INC.	717 EAST MAIN STREET, LURAY, 22835	703-743-5807
ER CARPENTER COMPANY, INC.	2400 JEFFERSON DAVIS HIGHWAY, RICHMOND, 23234	804-233-8391
EVANS PAINTS	1516 CLEVELAND AVENUE, ROANOKE, 24015	703-343-1521
EXIDE CORPORATION	2700 CHARLES CITY ROAD, RICHMOND, 23231	804-226-0167
EXIDE CORPORATION	5608 CHARLES CITY CIRCLE, RICHMOND, 23231	804-226-0167

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COMPANY	ADDRESS	TELEPHONE
FAIRFAX COUNTY LOWER POTOMAC POLL. CONTROL PLANT	9399 RICHMOND HIGHWAY, LORTON, 22079	703-691-2409
FAIRFAX COUNTY OCCOQUAN TREATMENT FACILITIES	MILL ST. EXTENDED, OCCOQUAN, 22125	703-699-5600
FAIRFAX COUNTY JAMES J. CORBALIS JR. TREAT. PL.	1250 HOLLY KNOLL DR., HERNDON, 22070	703-698-5600
FAIRFAX COUNTY LITTLE HUNTING CREEK TREATMENT PL	8600 STOCKTON PARKWAY, ALEXANDRIA, 22306	703-780-1218
FAIRFAX COUNTY LORTON TREATMENT FACILITY	9800 OX ROAD, LORTON, 22079	703-698-5600
FALLING CREEK METAL PRODUCTS, INC.	3909 BELLSON PARK DRIVE, MIDLOTHIAN, 23113	804-744-1061
FANNON PETROLEUM SERVICES, INC.	1200 DUKE STREET, ALEXANDRIA, 22313	703-836-1133
FAQUIER DEMOCRAT	39 CULPEPER STREET, WARRENTON, 22186	703-347-4222
FARM OPERATION	ROUTE 2, BOX 210, CANA, 24317	703-755-3737
FARM OPERATION	ROUTE 1, BOX 137A, LAUREL FORK, 24352	703-398-2978
FEDERAL PAPER BOARD CO., INC.	COMMERCE ROAD, RICHMOND, 23209	804-233-5411
FEDERAL-MOGUL CORP.	SOUTH MAIN STREET, ROUTE 460, BLACKSBURG, 24060	703-951-1211
FIBERSPUN, INC.	MORRIS MILL ROAD, STAUNTON, 24401	703-885-1211
FIELDCREST CANNON, INC	MILL DRIVE, FIELDALE, 24089	703-673-6771
FIRESTONE FIBERS AND TEXTILES COMPANY	105 WINSTON CHURCHILL DRIVE, HOPEWELL, 23860	804-541-2048
FIRST AMERICAN PRINTING CO.	11824 FISHING POINT DRIVE, NEWPORT NEWS, 23606	804-873-0705
FLAV-O-RICH, INC.	2537 CATHERINE STREET, BRISTOL, 24203	703-699-5161
FLIPPO'S OIL CO.	3030 S. MAIN STREET, HARRISONBURG, 22801	703-434-3884
FLOW LABORATORIES, INC.	RT 611, ROCK ROAD, DUBLIN, 24084	703-893-5925
FOOTE MINERAL COMPANY	HIGHWAY 871, DUFFIELD, 24244	703-431-2201
FORD MOTOR COMPANY - NORFOLK ASSEMBLY PLANT	2424 SPRINGFIELD AVENUE, NORFOLK, 23523	804-494-2059
FREDERICK NORTHUP INC.	INT. ROUTE 3 & 360 EAST, WARSAW, 22572	804-333-2688
FREEMAN CHEMICAL CORPORATION - FREEMAN RESINS	PITTSYLVANIA IND. PARK, CHATHAM, 24531	804-432-8836
FUEL OIL & EQUIPMENT COMPANY, INC.	2677 ROANOKE AVENUE, ROANOKE, 24141	703-345-8865
GAZETTE	108 W. STUART DRIVE, GALAX, 24333	703-236-5178
GE FANUC	RT 29 AT RT 606, CHARLOTTESVILLE, 22906	804-978-5421
GENERAL BATTERY CORPORATION	BOX 49A RT 1, TAZEWELL, 24651	703-988-5546
GENERAL CHEMICAL CORPORATION	607 N. MAGAZINE AVENUE, COVINGTON, 24426	703-962-6444
GENERAL CHEMICAL CORPORATION	EAST PLANT STREET, HOPEWELL, 23860	804-541-0261
GENERAL ELECTRIC CO. - WINCHESTER LAMP PLANT	ROUTE 11 & STATE ROUTE 652, WINCHESTER, 22601	703-665-3371
GENERAL ELECTRIC CO. - DRIVE SYSTEMS DEPARTMENT	1501 ROANOKE BLVD., SALEM, 24153	703-387-7203
GENERAL ELECTRIC CO.	MOUNTAIN VIEW ROAD, LYNCHBURG, 24502	804-528-7265
GENICOM CORPORATION	ONE GENERAL ELECTRIC DRIVE, WAYNESBORO, 22980	703-949-1731
GENTILE BROTHERS SCREEN PRINTING, INC.	116-A HIGH STREET, EDINBURG, 22824	703-984-8852
GEORGIA BONDED FIBERS, INC.	29TH STREET, BUENA VISTA, 24416	703-261-2181
GEORGIA-PACIFIC CORPORATION	ALLEN ROAD, JARRATT, 23867	804-535-8541
GLAMORGAN COAL CORPORATION	ROUTE 23 BYPASS, WISE, 24293	703-328-8078
GLASS BOATWORKS, INC.	ROUTE 184, WEST, CAPE CHARLES, 23310	804-331-3000
GLOBAL PRINTING INC.	4116 WHEELER AVENUE, ALEXANDRIA, 22304	703-751-3611
GLOUCESTER LUMBER PRODUCTS, INC.	RT 2 BOX 374, GLOUCESTER, 23061	804-693-6988

COMPANY	ADDRESS	TELEPHONE
GNB, INC.	2800 CARROLL AVENUE, LYNCHBURG, 24506	804-845-1223
GOLDEN PEANUT COMPANY	303 SOUTH SARATOGA STREET, SUFFOLK, 23434	804-934-6700
GOLDEN WEST FOODS, INC.	ORANGE STREET, BEDFORD, 24523	703-586-8284
GOLDSCHMIDT CHEMICAL CORP.	914 E. RANDOLPH ROAD, HOPEWELL, 23860	804-541-8658
GOODYEAR TIRE & RUBBER CO.	1435 GOODYEAR BLVD., DANVILLE, 24541	804-797-1233
GRAHAM-WHITE MANUFACTURING CO.	1209 COLORADO STREET, SALEM, 24153	703-387-5600
GRAPHIC COLOR LITHO, INC.	12403 WARWICK BLVD., NEWPORT NEWS, 23606	804-595-9595
GREEN CHEMICAL CO., INC.	206 WYCK STREET, WINCHESTER, 22601	703-667-1165
GREEN OIL CORP.	1708 MAGNOLIA STREET, RICHMOND, 23222	804-329-3500
GRIFFIN PIPE PRODUCTS CO.	ADAMS STREET, UPPER BASIN, LYNCHBURG, 24505	804-522-4780
GROGAN OIL	LYNN STREET, DANVILLE, 24543	804-792-1731
GTE SOUTH	HWY 619, VANSANT, 24656	703-935-8333
GTE SOUTH	ACADEMY ST, BLUEFIELD, 24605	304-325-1469
GTE SOUTH	RAILROAD HWY, GRUNDY, 24614	703-935-8333
GTE SOUTH	RT 61, ROCKY GAP, 24366	304-325-1469
GTE SOUTH	EAST RIVER MOUNTIAN, ROCKY GAP, 24366	304-325-1480
GTE SOUTH	308 W MAIN ST, TAZEWELL, 24651	703-964-2700
GTE SOUTH	1402 THIRD ST, RICHLANDS, 24641	703-964-2700
GWALTNEY OF SMITHFIELD, LTD.	3515 AIRLINE BOULEVARD, PORTSMOUTH, 23701	804-357-4321
GWALTNEY OF SMITHFIELD, LTD.	HIGHWAY #10, SMITHFIELD, 23430	804-357-4321
HALIFAX COTTON MILLS, INC.	RAILROAD AVENUE, SOUTH BOSTON, 24592	804-572-3965
HAMPDEN-SYDNEY COLLEGE	COLLEGE STATION, HAMPDEN-SYDNEY, 23943	804-223-4381
HAMPTON ROADS SANITATION DIS-WILLIAMSBURG	300 RON SPRINGS ROAD, WILLIAMSBURG, 23185	804-460-2261
HAMPTON ROADS SANITATION DIS-BOAT HARBOR	300 TERMINAL AVENUE, NEWPORT NEWS, 23607	804-460-2261
HAMPTON ROADS SANITATION DIS-YORK RIVER	515 BACK CREEK ROAD, SEAFORD, 23696	804-460-2261
HAMPTON ROADS SANITATION DIS-ATLANTIC	645 FIREFALL DRIVE, VIRGINIA BEACH, 23454	804-460-2261
HAMPTON ROADS SANITATION DIS-LAMBERTS POINT	FOOT OF WEST 44TH STREET, NORFOLK, 23508	804-460-2261
HAMPTON ROADS SANITATION DIS-ARMY BASE	500 SHASTA DRIVE, NORFOLK, 23505	804-460-2261
HAMPTON ROADS SANITATION DIS-NANSEMOND	6900 COLLEGE DRIVE, SUFFOLK, 23435	804-460-2261
HAMPTON ROADS SANITATION DIS-JAMES RIVER	111 CITY FARM ROAD, NEWPORT NEWS, 23602	804-460-2261
HAMPTON ROADS SANITATION DIS-CHESAPEAKE-ELIZABET	5332 SHORE DRIVE, VIRGINIA BEACH, 23455	804-460-2261
HAMPTON ROADS WELDERS SUPPLY CO., INC.	2330 BOWDENS FERRY ROAD, NORFOLK, 23508	804-857-5301
HAMPTON UNIVERSITY	CHEMISTRY DEPT, HAMPTON, 23668	804-727-5398
HANCOCK PEANUT CO.	HIGHWAY 58 WEST, COURTLAND, 23837	804-653-9351
HANLON PLATING CO.	925 EAST FOURTH STREET, RICHMOND, 23224	804-233-2021
HANOVER COUNTY WASTEWATER PLANT	RT 30 & 195, DOSWELL, 23069	804-876-3565
HANOVER COUNTY WATER TREATMENT PLANT	RT 30, DOSWELL, 23069	804-876-3565
HANSON PORCELAIN CO., INC.	3300 JOHN CAPRON ROAD, LYNCHBURG, 24506	804-845-9091
HASKELL CHEMICAL CO.	6101 STAPLES MILL ROAD, RICHMOND, 23228	804-266-9677
HDS FIBERS, INC.	1216 HARRIS STREET, CHARLOTTESVILLE, 22901	804-296-5626

COMPANY	ADDRESS	TELEPHONE
HELENA CHEMICAL CO.	381 MILLWOOD AVENUE, WINCHESTER, 22601	703-667-2371
HELENA CHEMICAL CO.	TASLEY-PARKSLEY ROAD, TASLEY, 23441	804-787-2033
HELENA CHEMICAL CO.	HIGHWAY 58, FRANKLIN, 23851	804-653-2161
HELENA CHEMICAL CO. - W.O. HILL & SONS	RT 2, BOX 35, CANA, 24317	703-755-3244
HENRY COUNTY PUBLIC SERVICE AUTH. - CARVER LAGOON	ROUTE 1714, MARTINSVILLE, 24112	703-673-6515
HERCULES PRODUCTS, INC.	3700 MAYFLOWER DRIVE, LYNCHBURG, 24501	804-846-6541
HERCULES, INC. - FORSTER PLANT	EDGEMONT DRIVE, COVINGTON, 24426	703-962-1141
HERCULES, INC.	HIGHWAY 671, FRANKLIN, 23851	804-562-3121
HERSHEY CHOCOLATE CO.	ROUTE 608, STUARTS DRAFT, 24477	703-337-4700
HI-LINE MACHINE, INC.	703 WEST MAIN STREET, COVINGTON, 24426	703-962-6148
HIGH'S ICE CREAM CORP.	1063 W. 38TH STREET, NORFOLK, 23508	804-489-8741
HOLLY FARMS POULTRY INDUSTRIES, INC.	501 NORTH LIBERTY STREET, HARRISONBURG, 22801	703-433-0720
HOLLY FARMS POULTRY INDUSTRIES, INC.	U.S. HIGHWAY 13, TEMPERANCEVILLE, 23442	804-824-3471
HOLLY FARMS POULTRY INDUSTRIES, INC.	3301 U.S. 33, GLEN ALLEN, 23060	804-798-8357
HOLLY FARMS POULTRY INDUSTRIES, INC.	U.S. HIGHWAY #360, CREWE, 23930	804-645-7791
HOLLY FARMS POULTRY INDUSTRIES, INC.	OLD CROSS STREET, NEW MARKET, 22844	703-740-3171
HOLLY FARMS POULTRY INDUSTRIES, INC.	STAR ROUTE #803, BROADWAY, 22815	703-896-7093
HON CO.	11200 OLD STAGE ROAD, CHESTER, 23831	804-796-3116
HOOKEER FURNITURE CORP.	2005 GREENBRIER AVENUE, ROANOKE, 24013	703-344-4328
HOOKEER FURNITURE CORP.	E. CHURCH AND HOOKEER ST., MARTINSVILLE, 24112	703-632-2133
HOOVER & STRONG INC.	10700 TRADE ROAD, RICHMOND, 23236	804-794-3700
HOOVER TREATED WOOD PRODUCTS	ROUTE 640, MILFORD, 22514	804-633-5021
HOPEWELL PUBLISHING CO.	516 E. RANDOLPH ROAD, HOPEWELL, 23860	804-458-8511
HOUFF FEED & FERTILIZER, INC.	RT 276, MOUNT CRAWFORD, 22841	703-234-9246
HOWMET TURBINE COMPONENTS CORP.	1 HOWMET DRIVE, HAMPTON, 23661	804-838-4680
HUBBELL LIGHTING DIVISION	2000 ELECTRIC WAY, CHRISTIANSBURG, 24073	703-382-6111
HUFF PETROLEUM CO., INC.	30 LAGRANGE STREET, PULASKI, 24301	703-980-1012
HURST HARVEY OIL CO., INC.	WAVERLY AVE., KILMARNOCK, 22482	804-435-1335
IBM	9500 GODWIN DRIVE, MANASSAS, 22110	703-367-5289
ICI AMERICAS - HOPEWELL WORKS	DISCOVERY DRIVE, HOPEWELL, 23860	804-541-9379
IMPERIAL ADHESIVES, INC.	1920 ROSE LANE, LYNCHBURG, 24505	804-845-4526
INDUSTRIAL CHEMICALS, INC.	2540 BELLWOOD ROAD, RICHMOND, 23234	804-275-9291
INDUSTRIAL DRIVES	201 ROCK ROAD, RADFORD, 24141	703-639-2495
INFILICO DEGREMONT, INC.	2924 EMERYWOOD PARKWAY, RICHMOND, 23229	804-281-7600
INFRACORP, LTD.	2999 FRONTAGE ROAD, PETERSBURG, 23805	804-861-2431
INLAND MOTOR, KOLLMORGEN CORP.	501 FIRST STREET, RADFORD, 24141	703-639-9045
INTERBAKE FOODS, INC.	900 TERMINAL PLACE, RICHMOND, 23261	804-257-7445
WAYTEC ELECTRONICS	1104 MCCONVILLE ROAD, LYNCHBURG, 24502	804-237-6391
INTERTAPE, INC.	STATE ROUTE 730, RINGGOLD, 24586	804-797-TAPE
ITT CORP. - ELECTRO-OPTICAL PRODUCTS DIVISION	7635 PLANTATION ROAD, ROANOKE, 24019	703-563-0371

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COMPANY	ADDRESS	TELEPHONE
IIT CORP. - GALLIUM ARSENIDE TECH CENTER	7670 ENON DRIVE, ROANOKE, 24019	703-563-8655
JAMES RIVER CORP. - CONVERTING DIVISION	TREDEGAR STREET, RICHMOND, 23217	804-649-4240
JAMES RIVER CORP. - FILTRATION PRODUCTS	4700 DEEPWATER TERMINAL RD, RICHMOND, 23234	804-649-4236
JOHNSTON-WILLIS HOSPITAL	1401 JOHNSTON-WILLIS DRIVE, RICHMOND, 23235	804-320-2900
JONES CHEMICALS	ROUTE 640 SOUTH, MILFORD, 22514	804-633-5066
LIBERTY FABRICS, INC. - WOOLWINE	WOOLWINE PLANT, WOOLWINE, 24185	703-930-2323
JP STEVENS & CO., INC. - BROOKNEAL PLANT	HIGHWAY 501 NORTH, BROOKNEAL, 24528	804-376-2311
JR SMITH OIL CO., INC.	70 W. SULLINS STREET, BRISTOL, 24201	703-669-9413
JT TOWNES INC.	1095 RIVERSIDE DR., DANVILLE, 24541	800-437-7237
JW FERGUSON & SONS, INC.	4107 CASTLEWOOD ROAD, RICHMOND, 23234	804-275-2611
KAWNEER COMPANY, INC.	1551 COUNTRY CLUB ROAD, HARRISONBURG, 22801	703-433-2711
KDI ELECTRO-TEC CORP.	1600 NORTH MAIN STREET, BLACKSBURG, 24060	703-552-2111
KEL-WOOD TIMBER PRODUCTS CO.	ROUTE 615 SOUTH, PROVIDENCE FORGE, 23140	804-966-2329
KEMPSVILLE TOPS & SUPPLY INC.	901 PROFESSIONAL PLACE, CHESAPEAKE, 23320	804-547-4303
KIRBY LITHOGRAPHIC CO., INC.	2900 S. EADS STREET, ARLINGTON, 22202	703-684-7600
KLANN INC.	301 FOURTH STREET, WAYNESBORO, 22980	703-943-5160
KOCH FUELS, INC.	4110 DEEP WATER TERMINAL ROAD, RICHMOND, 23234	804-230-9366
KOPPENS SCHLUMBERGER	3601 KOPPENS WAY, CHESAPEAKE, 23323	804-487-0077
KOPPER'S CO., INC.	RT 460, SALEM, 24153	703-380-2061
KRAFT INC.	HIGHWAY 21 NORTH, INDEPENDENCE, 24348	703-773-2981
KROGER CO.	ROUTE 3 GARMAN ROAD, SALEM, 24153	703-387-5259
LADD INDUSTRIES	HIGHWAY 40 WEST, KENBRIDGE, 23944	804-676-8232
LANE COMPANY, INC.	EAST FRANKLIN AVENUE, ALTAVISTA, 24517	804-369-5641
LANINGHAM OIL CO.	U.S. ALT. 58 W., PENNINGTON GAP, 24277	703-546-2633
LAROCHE INDUSTRIES INC.	672 CAROLINE ROAD, SUFFOLK, 23434	804-539-7185
LE HUTCHENS, INC.	1025 INDUSTRIAL PARK, STUART, 24171	703-694-7000
LEA INDUSTRIES - LADD FURNITURE	HIGHWAY 40 WEST, KENBRIDGE, 23944	804-676-8232
LEAKE PRINTING CO.	20 N. 20TH STREET, RICHMOND, 23223	804-648-1403
LEBANON CHEMICAL, CORP.	HIGHWAY 360 E., ROUTE 3, DANVILLE, 24543	717-273-1687
LEBANON CHEMICAL, CORP.	103 NORTH MAIN STREET, STUARTS DRAFT, 24477	717-273-1687
LEBANON CHEMICAL, CORP.	397 ELM STREET, ABINGDON, 24210	717-273-1687
LEBANON CHEMICAL, CORP.	LIVELY TERMINAL, LIVELY, 22507	717-273-1687
LEBANON CHEMICAL, CORP.	AIRPORT ROAD, TAPPAHANNOCK, 22560	717-273-1687
LEBANON CHEMICAL, CORP.	CHESAPEAKE DRIVE, BRIDGEWATER, 22812	717-273-1687
LEBANON CHEMICAL, CORP.	500 TIDEWATER CHEM ROAD, CHESAPEAKE, 23322	717-273-1687
LEBANON CHEMICAL, CORP.	KING GEORGE COUNTY, SEALSTON, 22547	717-273-1687
LEBANON CHEMICAL, CORP.	HIGHWAY 47, CHASE CITY, 23924	717-273-1687
LEBANON CHEMICAL, CORP.	122 E. CHURCH STREET, ORANGE, 22960	717-273-1687
LEBANON CHEMICAL, CORP.	BOX 7677, RICHMOND GUANO CO., RICHMOND, 23231	717-273-1687
LEBANON CHEMICAL, CORP.	ROUTE 917, HARUNA, 24576	717-273-1687

COMPANY	ADDRESS	TELEPHONE
LEBANON CHEMICAL, CORP.	ROUTE 360, WARSAW, 22572	717-273-1687
LEBANON CHEMICAL, CORP.	RT 13, CAPE CHARLES, 23310	717-273-1687
LEBANON CHEMICAL, CORP.	TOWNSEND WAREHOUSE, CAPEVILLE, 23313	717-273-1687
LEBANON CHEMICAL, CORP.	MATHEWS TERMINAL, COBBS CREEK, 23035	717-273-1687
LEBANON CHEMICAL, CORP.	P.O. BOX 1660, WEST POINT, 23181	717-273-1687
LEBANON CHEMICAL, CORP.	AIRPORT ROAD, KINSALE, 22488	717-273-1687
LEE CO.	HIGHWAY 259, BROADWAY, 22815	703-896-7053
LEE LABORATORIES, INC.	2999 FRONTAGE ROAD, PETERSBURG, 23805	804-861-2431
LEIGH MEMORIAL HOSPITAL	830 KEMPSVILLE ROAD, NORFOLK, 23502	804-466-6000
LINDE CORP.	3201 NORTH ARMISTEAD AVE, HAMPTON, 23666	804-865-0801
LINE POWER MANUFACTURING CORP.	329 WILLIAMS STREET, BRISTOL, 24203	703-466-8200
LIQUID CARBONIC CARBON DIOXIDE, CORP.	221 N. HOPEWELL ST, HOPEWELL, 23860	804-541-8400
LITTON POLY-SCIENTIFIC	1213 NORTH MAIN STREET, BLACKSBURG, 24060	703-552-3011
LOFTON CORP.	ROUTE 666, LOFTON, 22980	703-377-2186
LOGETRONICS, INC.	7001 LOISDALE ROAD, SPRINGFIELD, 22150	703-971-1400
LOMBART OPTICAL OF VA.	1215 BOISSEVAIN AVENUE, NORFOLK, 23507	804-625-7866
LONG MANUFACTURING CO., INC.	1135 COMMERCE STREET, PETERSBURG, 23803	804-732-8444
LOUISA FEED SERVICE, INC.	ROUTE 22 EAST, LOUISA, 23093	703-967-0225
LR WATERS INC.	641 JAMES MADISON HIGHWAY, CULPEPER, 22701	703-825-2100
LUKENS CORP.	1117 JEFFERSON STREET, LYNCHBURG, 24504	804-846-6400
LYDALL, INC.	CLIFTON FORGE OPER., CLIFTON FORGE, 24422	703-862-4111
LYNCHBURG COLLEGE	1501 LAKESIDE DRIVE, LYNCHBURG, 24501	804-522-8204
LYNCHBURG FOUNDRY CO.	GARNETT STREET & CONCORD ST, LYNCHBURG, 24505	703-981-8395
LYNCHBURG FOUNDRY CO.	1605 FIRST STREET, RADFORD, 24141	703-731-0411
LYNCHBURG FOUNDRY CO.	ROUTE 726, LYNCHBURG, 24505	804-528-8770
MADDOX OIL CO.	1425 SEYMOUR DRIVE, SOUTH BOSTON, 24592	804-572-3332
MADISON - RM CO., INC.	135 COMMUNITY STREET, HARRISONBURG, 22801	703-434-8669
MAGNOX PULASKI, INC.	720 COMMERCE STREET, PULASKI, 24301	703-980-3500
MAIDA DEVELOPMENT CO.	20 LIBBY STREET, HAMPTON, 23663	804-723-0785
MANVILLE PRODUCTS GROUP	RT 2 BOX 363, EDINBURG, 22824	703-984-4171
MARCO WAREHOUSE - DU PONT WAREHOUSE	FONTAINE DRIVE, RIDGEWAY, MARTINSVILLE, 24148	703-638-3146
MARSTELLER CORP.	1809 FRANKLIN ROAD S.W., ROANOKE, 24032	703-344-6621
MARTIN PROCESSING, INC.	ST RT 683 WHITBY ACRES, FIELDALE, 24089	703-629-1711
MARTINSVILLE NOVELTY CO.	900 RIVES ROAD, MARTINSVILLE, 24112	703-632-2187
MASONITE CORP. - PARTICLEBOARD DIVISION	721 W. MAIN STREET, WAVERLY, 23890	804-834-2201
MASONITE CORP.	COMMERCE STREET, STUART, 24171	703-694-7151
MATHIAS BROTHERS INC.	ROUTE 11 SOUTH, NEW MARKET, 22844	703-740-3313
MATLACK, INC.	5115 PRINCE GEORGE DRIVE, PRINCE GEORGE, 23875	302-479-2700
MAXWELL GRAPHICS RICHMOND, INC.	7400 IMPALA DRIVE, RICHMOND, 23225	804-264-8732
MCCREADY LUMBER	ROUTE 99, PULASKI, 24301	703-980-8700

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COMPANY	ADDRESS	TELEPHONE
MCDOLE-DUSEK IND. INC.	530 BROOKE ROAD, WINCHESTER, 22601	703-667-7983
MCQUAY/SNYDER GENERAL, CORP.	HIGHWAY #612, VERONA, 24482	703-248-9515
MEDECO	U.S. 11 W. ALLEGHENY DRIVE, SALEM, 24153	703-380-5000
MEEKS PRINTING SUPPLY CO.	1125 NORTH ROYAL STREET, ALEXANDRIA, 22314	703-548-3800
MEMORIAL HOSPITAL	142 SOUTH MAIN STREET, DANVILLE, 24541	804-799-2240
MERCK CHEMICAL MANUFACTURING DIVISION	HIGHWAY 340 SOUTH, ELKTON, 22827	703-298-4110
MEREDITH/BURDA	4201 MURRAY PLACE, LYNCHBURG, 24506	804-522-7400
MG INDUSTRIES	5901 JEFFERSON DAVIS HWY, RICHMOND, 23234	804-275-7813
MID-ATLANTIC COCA-COLA BOTTLING CO., INC.	5401 SEMINARY ROAD, ALEXANDRIA, 22311	703-820-2323
MILLHISER INC.	1125 COMMERCE ROAD, RICHMOND, 23224	804-233-9886
MILO C. COCKERHAM INC.	RAILROAD AVENUE, GALAX, 24333	703-236-5194
MITCO WATER LABORATORIES INC.	4950 BAINBRIDGE BLVD, CHESAPEAKE, 23320	813-967-4456
MOBIL OIL CORP.	10315 BALLS FORD ROAD, MANASSAS, 22110	813-247-3911
MODINE MANUFACTURING CO.	1221 MAGNOLIA AVENUE, BUENA VISTA, 24416	703-261-2166
MODINE MFG CO.-ROCKBRIDGE PLANT	RT 11S, LEXINGTON, 24450	703-261-2166
MOLINS MACHINE CO., INC.	3900 CAROLINA AVENUE, RICHMOND, 23222	804-329-9081
MOORE BUSINESS FORMS & SYSTEMS DIV.	300 LANSDOWNE ROAD, FREDERICKSBURG, 22401	703-371-4140
MORRISON MOLDED FIBERGLASS CO.	400 COMMONWEALTH AVENUE, BRISTOL, 24203	703-669-1150
MORTON INTERNATIONAL	BLUEFIELD HIGHWAY, WYTHEVILLE, 24382	703-228-7821
MORTON THIKOL, INC. - DYNACHEM CORPORATION	13860 PARK CENTER ROAD, HERNDON, 22071	703-435-9600
MOSHER STEEL CO.	1002 HOLLINS ROAD N.E., ROANOKE, 24012	703-342-7869
NABISCO BRANDS, INC.	1032 CAVALIER BLVD., CHESAPEAKE, 23323	804-485-1385
NABISCO BRANDS, INC.	6002 LABURNUM AVE., RICHMOND, 23150	804-934-6200
NABISCO BRANDS, INC.	420 WOODLAKE DRIVE, CHESAPEAKE, 23230	804-485-1385
NABISCO BRANDS, INC.	2200 JOHNSON AVE., SUFFOLK, 23234	804-934-6200
NANSEMOND COLD STORAGE CO., INC.	160 COUNTY STREET, SUFFOLK, 23434	804-539-0273
NASA	GODDARD SPACE FLIGHT CENTER, Wallops Island, 23337	804-824-1152
NEAGLES FLEXP CORP.	303 S. RICHARDSON ROAD, ASHLAND, 23005	804-798-1501
NEWBILL PRINTING CO.	ROUTE 4, BOX 370F, PETERSBURG, 23803	804-733-3166
NEWPORT NEWS SHIPBUILDING & DRYDOCK	4101 WASHINGTON AVENUE, NEWPORT NEWS, 23607	804-380-2959
NI INDUSTRIES, INC.	U.S. 58-421 WEST, DUFFIELD, 24244	703-431-2641
NIBCO INC.	ROUTE 340 SOUTH, STUARTS DRAFT, 24477	703-337-1213
NORFOLK & WESTERN RAILWAY CO.	SHAFFERS CROSSING, AT 24TH STR, ROANOKE, 24064	703-981-3595
NORFOLK & WESTERN RAILWAY CO.	8 1/2 ST. & CAMPBELL AVENUE, ROANOKE, 24042	703-981-3595
NORFOLK & WESTERN RAILWAY CO.	38TH & POWHATAN, NORFOLK, 23508	703-981-3595
NORFOLK SHEET METAL WORKS, INC.	215 EAST 25TH STREET, NORFOLK, 23504	804-625-7923
NORFOLK SHIPBUILDING & DRYDOCK	FOOT OF LIBERTY STREET, NORFOLK, 23501	804-545-3551
NORFOLK WAREHOUSE CO., INC.	6969 TIDEWATER DRIVE, NORFOLK, 23501	804-857-6081
NORTON COMMUNITY HOSPITAL	100 15TH STREET, N.W., NORTON, 24273	703-679-1221
NOVA BLUE INC.	10141 SUNSET HILLS ROAD, RESTON, 22090	703-631-6700

COMPANY	ADDRESS	TELEPHONE
NOVA BLUE INC.	4013 EAST STREET, FAIRFAX, 22032	703-631-6700
NOVA BLUE INC.	14101 SULLYFIELD CIRCLE, CHANTILLY, 22031	703-631-6700
OGDEN MARTIN SYSTEMS OF ALEXANDRIA/ARLINGTON, INC	5301 EISENHAWER AVENUE, ALEXANDRIA, 22304	703-370-7722
OIL HEAT & BURNER SERVICE, INC.	211 EAST 2ND STREET, FRONT ROYAL, 22630	703-636-6156
OLD DOMINION PROSTHETICS, INC.	2127 BERKMAR DRIVE, CHARLTTESVILLE, 22901	804-973-6209
OLD DOMINION UNIVERSITY	CHEMISTRY DEPT, NORFOLK, 23508	804-440-4009
OLD DOMINION WOOD PRESERVERS	1177 HOSIER ROAD, SUFFOLK, 23434	804-934-1140
OLDE PETERSBURG PRINTERS, INC.	233 NORTH SYCAMORE STREET, PETERSBURG, 23803	804-861-0220
ONTARIO HARDWOOD CO., INC.	ROUTE 3, BOX 380, KEYSVILLE, 23947	804-736-9291
ORANGE-MADISON COOP. FARM SERVICE, INC.	ROUTES 15 & 33, GORDONSVILLE, 22942	703-672-2977
ORANGE-MADISON COOP. FARM SERVICE, INC.	WALKER STREET, ORANGE, 22960	703-672-2977
ORANGE-MADISON COOP. FARM SERVICE, INC.	ROUTE 29, MADISON, 22727	703-672-2977
OWENS-ILLINOIS BIG ISLAND MILL SIS, INC.	HIGHWAY 501, BIG ISLAND, 24526	804-299-5911
OWENS-ILLINOIS GLASS CONTAINER, INC.	150 INDUSTRIAL BOULEVARD, TOANO, 23168	804-566-1200
PAGE MEMORIAL HOSPITAL, INC.	200 MEMORIAL DRIVE, LURAY, 22835	703-743-4561
PARAGON PRINTING, INC.	5801 SEMINARY ROAD, FALLS CHURCH, 22041	703-379-9300
PARK OIL CO., INC.	MADISON STREET EXT., BOYDTON, 23917	804-738-6313
PARKER OIL CO., INC.	HIGHWAY 695, LAWRENCEVILLE, 23868	804-848-3370
PARKER OIL CO., INC.	HIGHWAY 301, EMPORIA, 23847	804-634-2828
PARKER OIL CO., INC.	829 MILLER STREET, PETERSBURG, 23803	804-447-3146
PARKER OIL CO., INC.	1428 W. DANVILLE STREET, SOUTH HILL, 23970	804-447-3146
PARKER OIL CO., INC.	HIGHWAY 40, CHARLOTTE COURT HOUSE, 23923	804-542-5181
PARKER OIL CO., INC.	1501 ELM STREET, HOPEWELL, 23860	804-458-1213
PEPSI-COLA - 7-UP BOTTLING OF RICHMOND	1735 SUMMIT AVENUE, RICHMOND, 23230	804-358-5576
PEPSI-COLA BOTTLERS	RT. 11 NORTH, HOLLINS, 24019	703-992-2661
PEPSI-COLA BOTTLING CO. OF CENTRAL VA	1150 PEPSI PLACE, CHARLOTTESVILLE, 22906	804-978-2140
PERDUE, INC.	RT 360 & RT 17, TAPPAHANNOCK, 22580	301-543-3749
PERDUE, INC.	RT 58 W, EMPORIA, 23847	301-543-3749
PERDUE, INC.	ROUTE 13, ACCOMAC, 23301	804-787-2700
PERDUE, INC.	100 QUALITY STREET, BRIDGEWATER, 22812	301-543-3749
PHILIP MORRIS, USA	2301 EVERETT STREET, RICHMOND, 23224	804-274-2000
PHILIP MORRIS, USA	4100 BERMUDA HUNDRED ROAD, CHESTER, 23831	804-274-2000
PHILIP MORRIS, USA	20TH & CARY STREET, RICHMOND, 23219	804-274-2000
PHILIP MORRIS, USA	3601 COMMERCE ROAD, RICHMOND, 23234	804-274-2000
PHILIP MORRIS, USA	700 STOCKTON STREET, RICHMOND, 23224	804-274-2000
PHILIP MORRIS, USA	MAURY & CLOPTON STREET, RICHMOND, 23224	804-274-2000
PHILIP MORRIS, USA	1715 MERRIMAC TRAIL, WILLIAMSBURG, 23185	804-274-2000
PIEDMONT MANUFACTURING COMPANY	205 FRAZIER ROAD, ALTAVISTA, 24517	804-369-4741
PITTMAN CO.	5010 WEST CLAY STREET, RICHMOND, 23230	201-865-8300
PITTS LUMBER CO., INC.	ROUTE 17, SALUDA, 23149	804-758-2517

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COMPANY	ADDRESS	TELEPHONE
PLANT FOOD PRODUCTS, INC.	406 E. RANDOLPH ROAD, HOPEWELL, 23860	804-458-6301
PLANTERS, INC.	318 CHURCH STREET, BLACKSTONE, 23824	804-292-7259
PLUMMER PRINTING CO., INC.	122 WEST TABB STREET, PETERSBURG, 23803	804-733-7373
POLYPENCO, INC.	HWY 21-52N, WYTHEVILLE, 24382	703-228-5423
POTOMAC AIR GAS - SOUTHERN DIVISION	801 AIR PARK ROAD, HANOVER IND, ASHLAND, 23005	804-798-1577
POTOMAC AIRGAS, INC.	13740 DABNEY ROAD, WOODBRIDGE, 22191	703-548-2200
POTOMAC ELECTRIC POWER CO.	1400 NORTH ROYAL STREET, ALEXANDRIA, 22314	202-331-6534
POWELL MOUNTAIN COAL CO., INC.	2537 4TH AVENUE, EAST, BIG STONE GAP, 24219	703-523-4932
PRESTO PRODUCTS INC.	HIGHWAY 58 WEST, SOUTH BOSTON, 24592	804-572-6961
PRILLAMAN CHEMICAL CORP.	825 FISHER STREET, MARTINSVILLE, 24112	703-638-8829
PRILLAMAN CHEMICAL CORP.	1001 OLD BERMUDA HUNDRED ROAD, CHESTER, 23831	703-638-8829
PRINCE GEORGE DEPARTMENT OF UTILITIES	6400 COURTHOUSE ROAD, PRINCE GEORGE, 23875	804-733-2614
PRINCE WILLIAM SERVICE AUTHORITY - MAIN OFFICE	14610 JEFFERSON DAVIS HWY., WOODBRIDGE, 22191	703-670-8101
PRODUCTION METAL FINISHERS, INC.	1802 CURRIE STREET, RICHMOND, 23220	804-643-8116
PROGRESS PRINTING CO.	3523 WATERLICK ROAD, LYNCHBURG, 24502	804-239-9213
PT COMPONENTS INC.	ROUTES 340 AND 909, STUARTS DRAFT, 24477	703-337-3510
RADFORD COMMUNITY HOSPITAL	8TH & RANDOLPH STREET, RADFORD, 24143	703-731-2000
RADFORD UNIVERSITY	DEDMOND CENTER, RADFORD, 24142	703-831-5346
RADIATION SYSTEMS, INC.	1501 MORAN ROAD, STERLING, 22170	703-450-5680
RAJ CHEMICALS	121 REPUBLIC RD, CHESAPEAKE, 23324	804-543-2881
RAPIDAN SERVICE AUTHORITY	RUTH RD MADISON, RUCKERSVILLE, 22727	804-985-7811
RAPIDAN SERVICE AUTHORITY	STONEWALL AVENUE, GORDONSVILLE, 22942	804-985-7811
RAPIDAN SERVICE AUTHORITY	RT 33, STANARDSVILLE, 22973	804-985-7811
RAY SAUER, INC.	RT 3 BOX 70, TREVILIANS, 23093	703-967-0067
REGAL WARE, INC.	2820 CRUSADER CIRCLE, VIRGINIA BEACH, 23456	804-468-3500
REGIONAL ENTERPRISES, INC.	410 WATER STREET, HOPEWELL, 23860	804-748-3666
REHRIG INTERNATIONAL	901 NORTH LOMBARDY STREET, RICHMOND, 23220	804-355-7864
RELIANCE UNIVERSAL INC.	2837 ROANOKE AVE., S.W., ROANOKE, 24015	703-982-8301
REYNOLDS METALS CO. BELLWOOD EXTRUSION	1901 REYMET ROAD, RICHMOND, 23237	804-743-6459
REYNOLDS METALS CO. BELLWOOD PLANT NUBER 44	1701 REYMET ROAD, RICHMOND, 23237	804-743-6707
REYNOLDS METALS CO. BELLWOOD PRINTING	2001 REYMET ROAD, RICHMOND, 23227	804-743-6231
REYNOLDS METALS CO. BELLWOOD RECLAMATION	1711 REYMET ROAD, RICHMOND, 23227	804-743-6504
REYNOLDS METALS CO. METALURGY LAB	401 E. CANAL STREET, RICHMOND, 23219	804-788-6231
RIBCO PRODUCTS, INC.	1015 TYLER STREET, FREDERICKSBURG, 22401	703-371-8626
RICHMOND CEDAR WORKS MANUFACTURING, CORP.	400 BRIDGE STREET, DANVILLE, 24541	804-797-4444
RICHMOND COLD STORAGE CO., INC.	420 NORTH 18TH STREET, RICHMOND, 23223	804-644-2671
RICHMOND PRESSED METAL WORKS, INC.	506 MAURY STREET, RICHMOND, 23224	804-233-8371
RICHMOND PRINTED TAPE & LABEL CO.	108 AIR PARK ROAD EXT., ASHLAND, 23005	804-798-4753
RIDGEWAY CLOCKS	ROUTE 3 STATE ROAD 902, RIDGEWAY, 24148	703-956-3111
RIVANNA WATER & SEWER AUTHORITY	FRANKLIN STREET, CHARLOTTESVILLE, 22902	804-977-2970

COMPANY	ADDRESS	TELEPHONE
RIVERTON, CORP.	STATE ROUTE 637, RIVERTON, 22651	703-635-4131
RKO BOTTLERS OF VIRGINIA	211 WASHINGTON AVENUE, MARION, 24354	219-484-9613
ROANOKE CITY MILLS, INC.	1702 SOUTH JEFFERSON STREET, ROANOKE, 24006	703-343-9383
ROANOKE COLLEGE	COLLEGE AVENUE, SALEM, 24153	703-375-2310
ROBERTSHAW CONTROLS CO.	HIGHWAY 58 WEST, INDEPENDENCE, 24348	703-773-2771
ROCCO FARM FOODS, INC.	ROUTE 42, EDINBURG, 22824	703-984-4121
ROCCO FURTHER PROCESSING	COOP DRIVE, TIMBERVILLE, 22853	703-896-7041
ROCCO TURKEYS, INC.	MOSBY ROAD, DAYTON, 22821	703-879-2521
ROCKINGHAM COOP. FARM BUREAU, INC.	800 CO-OP DRIVE, TIMBERVILLE, 22853	703-896-8083
ROCKINGHAM COOP. FARM BUREAU, INC.	101 GRACE STREET, HARRISONBURG, 22801	703-434-3856
ROCKINGHAM COOP. FARM BUREAU, INC.	107 DEPOT ROAD, BRIDGEWATER, 22812	703-828-3672
ROCKINGHAM COOP. FARM BUREAU, INC.	WEST SPRING ST., WOODSTOCK, 22664	703-459-2171
ROCKINGHAM POULTRY	COOP DRIVE, BROADWAY, 22815	703-896-7001
ROCKY TOP WOOD PRESERVERS	NORTH MAIN STREET, ROCKY MOUNT, 24151	703-483-5265
ROSS LABORATORIES	U.S. ROUTE 29, ALTAVISTA, 24517	804-369-3250
ROYAL CROWN BOTTLING CO. OF VA	711 WEST 24TH STREET, NORFOLK, 23517	804-625-1668
ROYAL SILVER MFG. CO., INC.	3300 CHESAPEAKE BLVD., NORFOLK, 23513	804-855-6004
ROYSTER COMPANY - LYNCHBURG	2410 MAYFLOWER DR, LYNCHBURG, 24506	804-847-4459
ROYSTER COMPANY - AXTON RETAIL OUTLET	RT 610 OFF HWY 58, AXTON, 24054	804-847-4459
ROYSTER COMPANY - CHESAPEAKE	FOOT OF OHIO ST, CHESAPEAKE, 23324	804-847-4459
ROYSTER COMPANY - RED HOUSE RETAIL OUTLET	HWY 727, RED HOUSE, 23963	804-847-4459
ROYSTER COMPANY - RETAIL OUTLET	HWY 621, CRYSTAL HILL, 24539	804-847-4459
ROYSTER COMPANY - SOUTH HILL WAREHOUSE	LUNENBURG AVE, SOUTH HILL, 23970	804-847-4459
RR BEASLEY, INC. ASHLAND PLANT	ROUTE 821, ASHLAND, 23005	804-633-9626
RR BEASLEY, INC. CALLAO PLANT	ROUTE 360 EAST, CALLAO, 22435	804-633-9626
RR BEASLEY, INC. KILMARNOCK PLANT	OFF ROUTE 3, KILMARNOCK, 22482	804-633-9626
RR BEASLEY, INC. MILFORD PLANT	ROUTE 768, MILFORD, 22514	804-633-9626
RTP CO.	HIGHWAY 654, SINAI ROAD, SOUTH BOSTON, 24592	804-572-3925
RUBATEX, CORP.	ADAMS STREET, BEDFORD, 24523	703-586-2611
RUSCO WINDOW CO. OF ROANOKE, INC.	3631 AERIAL WAY DR. S.W., ROANOKE, 24015	703-345-4901
S & W FERTILIZER SEED & CHEMICAL	605 WEST RAILROAD AVENUE, WYTHEVILLE, 24302	703-228-2521
SADLER BROS. OIL CO., INC.	195 & HWY 58W, EMPORIA, 23847	804-634-2127
SAFETY-KLEEN	ROUTE 24 EAST OF VINTON, VINTON, 24179	703-890-4478
SAFETY-KLEEN	1200 WEST 100 ROAD, CHESTER, 23831	804-748-3767
SAFETY-KLEEN	4545 BAINBRIDGE BLVD., CHESAPEAKE, 23320	804-543-5907
SAFETY-KLEEN	2146 KING HILL ROAD, BRISTOL, 24201	703-466-8666
SASIB CORP. OF AMERICA	6301 MIDLOTHIAN TURNPIKE, RICHMOND, 23225	804-276-1900
SAXON OIL COMPANY, INC.	MAIN STREET, DILLWYN, 23936	804-983-2033
SCIENTIFIC PRODUCTS, CORP.	9218 PRINCE WILLIAM STREET, MANASSAS, 22110	703-368-9811
SEAWARD INTERNATIONAL, INC.	CLEARBROOK INDUS PARK, RT 11N, CLEARBROOK, 22624	703-667-7987

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COMPANY	ADDRESS	TELEPHONE
SHELDON LUMBER CO., INC.	7812 RICHMOND ROAD, TOANO, 23168	804-564-3311
SHELLER-GLOBE, CORP.	8900 HAMPTON BLVD., NORFOLK, 23505	804-423-4912
SHENANDOAH GAS	ROUTE 340, NORTH OF I-66, NINEVEN, 22601	703-750-4211
SICPA INDUSTRIES OF AMERICA, INC.	8000 RESEARCH WAY, SPRINGFIELD, 22153	703-455-8050
SMITHFIELD PACKING CO., INC.	COMMERCE STREET, SMITHFIELD, 23430	804-357-4321
SMITHFIELD PACKING CO., INC.	435 E. INDIAN RIVER ROAD, NORFOLK, 23523	804-357-4321
SMITHFIELD PACKING CO., INC.	110 VIRGINIA HAM DRIVE, SUFFOLK, 23434	804-357-4321
SMITHFIELD PACKING CO., INC.	HIGHWAY #10, SMITHFIELD, 23430	804-357-4321
SOUTHCHEM, INC.	803 DOUGLAS AVENUE, PORTSMOUTH, 23707	804-399-8547
SOUTHCHEM, INC.	ROUTE 221 WEST, FOREST, 24551	804-385-7113
SOUTHEASTERN ADHESIVES CO.	STATE ROAD 689, RIDGEWAY, 24148	703-956-3176
SOUTHERN COLD STORAGE	2900 COFER ROAD, RICHMOND, 23224	804-644-2671
SOUTHERN PRINTING INK, CORP.	1408 GORDON AVENUE, RICHMOND, 23224	804-231-4451
SOUTHERN STAINLESS EQUIPMENT	292 RACE AVENUE, WAYNESBORO, 22930	703-943-8000
SOUTHERN STATES COOPERATIVE, INC.	FLEETWOOD STREET, WAKEFIELD, 23088	804-899-3761
SOUTHERN STATES COOPERATIVE, INC.	6103 MECHANICSVILLE PIKE, MECHANICSVILLE, 23111	804-746-5274
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 3, WARSAW, 22572	804-333-3760
SOUTHERN STATES COOPERATIVE, INC.	517 WEST MAIN STREET, ABINGDON, 24210	703-628-9135
SOUTHERN STATES COOPERATIVE, INC.	WEST MAIN STREET, WAVERLY, 23890	804-834-2282
SOUTHERN STATES COOPERATIVE, INC.	FOREST & MARSHALL STREETS, MARSHALL, 22115	703-364-2244
SOUTHERN STATES COOPERATIVE, INC.	212 CATOCTIN CIRCLE S.E., LEESBURG, 22075	703-777-3561
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 1, BOX 7B, STEPHENS CITY, 22655	703-869-3132
SOUTHERN STATES COOPERATIVE, INC.	PURCELLVILLE BRANCH, PURCELLVILLE, 22132	703-338-7136
SOUTHERN STATES COOPERATIVE, INC.	VIRGINIA AVENUE, COLLINSVILLE, 24078	703-647-8702
SOUTHERN STATES COOPERATIVE, INC.	AGNEW STREET, BURKEVILLE, 23922	804-767-5548
SOUTHERN STATES COOPERATIVE, INC.	3119 WILLIAMSBURG ROAD, RICHMOND, 23231	804-226-2758
SOUTHERN STATES COOPERATIVE, INC.	447 AMHERST STREET, WINCHESTER, 22601	703-662-0375
SOUTHERN STATES COOPERATIVE, INC.	810 HARRIS STREET, CHARLOTTESVILLE, 22902	804-296-6191
SOUTHERN STATES COOPERATIVE, INC.	9321 CENTER STREET, MANASSAS, 22110	703-368-2165
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 606 OLD STERLING ROAD, HERNDON, 22070	703-437-1800
SOUTHERN STATES COOPERATIVE, INC.	INTERSECTION OF 58 & 221, HILLSVILLE, 24343	703-728-2912
SOUTHERN STATES COOPERATIVE, INC.	2657 SOUTH MILITARY HIGHWAY, CHESAPEAKE, 23324	804-545-2449
SOUTHERN STATES COOPERATIVE, INC.	MAIN STREET, GRETNA, 24557	804-656-2233
SOUTHERN STATES COOPERATIVE, INC.	12842 FITZWATER DRIVE, NOKESVILLE, 22123	703-594-2121
SOUTHERN STATES COOPERATIVE, INC.	201 W. WASHINGTON STREET, MIDDLEBURG, 22117	703-687-6324
SOUTHERN STATES COOPERATIVE, INC.	RURAL RETREAT BRANCH, RURAL RETREAT, 24368	703-686-5114
SOUTHERN STATES COOPERATIVE, INC.	1155 INDUSTRY ROAD, WYTHEVILLE, 24382	703-228-3401
SOUTHERN STATES COOPERATIVE, INC.	200 PRINCE EDWARD STREET, FREDERICKSBURG, 22404	703-373-5831
SOUTHERN STATES COOPERATIVE, INC.	2600 DURHAM STREET, RICHMOND, 23220	804-353-0195
SOUTHERN STATES COOPERATIVE, INC.	15 BROADVIEW AVE., WARRENTON, 22186	703-347-4202

COMPANY	ADDRESS	TELEPHONE
SOUTHERN STATES COOPERATIVE, INC.	8718 WEST BROAD STREET, RICHMOND, 23229	804-747-9315
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 522 N, GOOCHLAND, 23063	804-556-4166
SOUTHERN STATES COOPERATIVE, INC.	21 MANASSAS STREET, FRONT ROYAL, 22630	703-635-3118
SOUTHERN STATES COOPERATIVE, INC.	RT 60 BYPASS RD, WILLIAMSBURG, 23187	804-229-3427
SOUTHERN STATES COOPERATIVE, INC.	EDGEHILL SHOPPING CENTER, GLOUCESTER, 23061	804-693-3411
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 1, BOX 325, KING WILLIAM, 23086	804-769-3100
SOUTHERN STATES COOPERATIVE, INC.	5TH STREET, LAWRENCEVILLE, 23868	804-848-2121
SOUTHERN STATES COOPERATIVE, INC.-CHATHAM	U.S. 29 , ROUTE 832, CHATHAM, 24531	804-432-4201
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 28, CALVERTON, 22016	703-788-9091
SOUTHERN STATES COOPERATIVE, INC.	DAVIS STREET, EMPORIA, 23847	804-634-9446
SOUTHERN STATES COOPERATIVE, INC.	EAST MAIN STREET, PULASKI, 24301	703-980-5811
SOUTHERN STATES COOPERATIVE, INC.	1313 EUCLID AVE, BRISTOL, 24201	703-669-8101
SOUTHERN STATES COOPERATIVE, INC.	1609 WEST WASHINGTON STREET, PETERSBURG, 23803	804-733-4571
SOUTHERN STATES COOPERATIVE, INC.	512 SHAWNEE AVE, BIG STONE GAP, 24219	703-523-1532
SOUTHERN STATES COOPERATIVE, INC.	ROUTE 11 N, CLOVERDALE, 24077	703-992-1100
SOUTHERN STATES COOPERATIVE, INC.	516 N. FRANKLIN STREET, FRANKLIN, 23851	804-562-6169
SOUTHERN STATES COOPERATIVE, INC.	U.S. ROUTE 360, TAPPAHANNOCK, 22560	804-443-3660
SOUTHERN STATES COOPERATIVE, INC.	WILLIAMS STREET, LURAY, 22835	703-743-6518
SOUTHERN STATES COOPERATIVE, INC.	HIGHWAY 501, BROOKNEAL, 24528	804-376-3766
SOUTHERN STATES COOPERATIVE, INC.	217 RESERVE AVE., S.W., ROANOKE, 24004	703-343-9356
SOUTHERN STATES COOPERATIVE, INC.	120 MANOVER AVENUE, ASHLAND, 23005	804-798-8408
SOUTHERN STATES COOPERATIVE, INC.	OLD ROUTE 360, AMELIA, 23002	804-561-2151
SOUTHERN STATES COOPERATIVE, INC.	348 WEST DEPOT STREET, BEDFORD, 24523	703-586-8201
SOUTHERN STATES COOPERATIVE, INC.	201 MEADOW STREET, GALAX, 24333	703-236-2181
SOUTHERN STATES COOPERATIVE, INC.	500 SOUTH COMMERCE STREET, MARION, 24354	703-783-2431
SOUTHERN STATES COOPERATIVE, INC.	1015 TAZEVELL AVENUE, NORTH TAZEVELL, 24630	703-988-3411
SOUTHERN STATES COOPERATIVE, INC.	HIGHWAY 60, CUMBERLAND, 23040	804-492-4880
SOUTHERN STATES COOPERATIVE, INC.	742 CRAGHEAD STREET, DANVILLE, 24543	804-793-2141
SOUTHERN STATES COOPERATIVE, INC.	6606 WEST BROAD STREET, RICHMOND, 23260	804-281-1000
SOUTHERN STATES COOPERATIVE, INC.	TROUTVILLE BRANCH, TROUTVILLE, 24175	703-992-1001
SOUTHERN STATES COOPERATIVE, INC.	STRASBURG BR., STRASBURG, 22657	703-465-5182
SOUTHERN STATES COOPERATIVE, INC.	1600 CAMPBELL AVE., LYNCHBURG, 24501	804-845-7061
SOUTHERN TREATING CO.	ROUTE 360, MILLERS TAVERN, 23115	804-443-9385
SPURLOCK CO.	U.S. ROUTE 460 EAST, WAVERLY, 23890	804-834-3113
STAFFORD COUNTY AQUIA WASTEWATER TREAT. PLANT	ROUTE 631, STAFFORD, 22554	703-659-8705
STAFFORD COUNTY SOUTH STAFFORD WASTEWATER TR. PL	COOL SPRINGS RD, FREDERICKSBURG, 22405	703-659-8705
STAFFORD COUNTY ABEL LAKE WATER PLANT	ROUTE 653, STAFFORD, 22554	703-659-8705
STAFFORD COUNTY AQUIA WATER TREATMENT PLANT	ROUTE 659, STAFFORD, 22554	703-659-8705
STANDARD PRODUCTS COMPANY, INC.	22 CHURCH STREET, KILMARNOCK, 22482	804-435-1633
STANLEY FURNITURE	HIGHWAY 57 WEST, STANLEYTOWN, 24168	703-629-7561

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COMPANY	ADDRESS	TELEPHONE
STANLEY FURNITURE	5TH & CHARLOTTE AVE., WAYNESBORO, 22980	703-629-7561
STERLING CASKET HARDWARE CO.	NORWOOD ROAD, ABINGDON, 24210	703-628-7153
STIHL, INC.	536 VIKING DRIVE, VIRGINIA BEACH, 23452	804-486-8444
STONE CONTAINER CORP.	5700 LEWIS ROAD, RICHMOND, 23201	804-222-5433
STONE CONTAINER CORP.	INDUSTRIAL PARK DR, MARTINSVILLE, 24112	703-632-2176
STONE CONTAINER CORP.	INDUSTRIAL STREET, HOPEWELL, 23860	804-541-9600
STONE CONTAINER CORP.	2900 SPROUSE DRIVE, RICHMOND, 23231	804-222-6380
STRAHAN INK & LACQUER CORP.	8031 WHITE BARK TERRACE, RICHMOND, 23237	804-271-7377
SUFFOLK CITY WATER TREATMENT FACILITY	CHUCKATUCK ROAD, SUFFOLK, 23434	804-934-3111
SUFFOLK ENERGIES INC.	1224 HOLLAND ROAD, SUFFOLK, 23434	804-539-4761
SUFFOLK INDUSTRIAL CHEMICALS	5001 PUDDLEDUCK ROAD, PETERSBURG, 23803	804-796-1895
SUFFOLK INDUSTRIAL CHEMICALS	1312 MCCLOUD ROAD, CHESAPEAKE, 23320	804-539-7401
SUFFOLK INDUSTRIAL CHEMICALS	201 SURBURBAN DRIVE, SUFFOLK, 23434	804-539-7401
SUNOX, INC.	4960 RIVERSIDE DRIVE, DANVILLE, 24541	804-797-2425
SUNOX, INC.	1023 DILLARD DRIVE, LYNCHBURG, 24501	804-385-8799
SUPREME PETROLEUM, INC.	725 NORTH MAIN STREET, SUFFOLK, 23434	804-934-0550
SUPREME PETROLEUM, INC.	2345 PRUDEN BLVD, SUFFOLK, 23434	804-934-0550
SUTER'S CABINET SHOP, INC.	2610 S. MAIN STREET, HARRISONBURG, 22801	703-434-2131
SWEET BRIAR COLLEGE	ROUTE 29 SOUTH, SWEET BRIAR, 24595	804-381-6136
SYBRON CHEMICALS INC.	111 KESLER ROAD, SALEM, 24153	703-389-9361
TATE BERRY AND FRUIT FARM	21330 HULL STREET ROAD, MOSELEY, 23120	804-232-5653
TAYLOR-RAMSEY CORP.	ROUTE 501, BIG ISLAND, 24526	804-299-5717
TAYLOR-RAMSEY, CORP.	ROUTE 130, MADISON HEIGHTS, 24572	804-846-6571
TAYLOR-RAMSEY, CORP.	ROUTE 460, PAMPLIN, 23958	804-248-6967
TAYLOR-RAMSEY, CORP.	ROUTE 250, MCDOWELL, 24458	703-396-3481
TAYLOR-RAMSEY, CORP.	RT 460 E, BLACKSTONE, 23824	804-292-4375
TAYLOR-RAMSEY, CORP.	ROUTE 130, NATURAL BRIDGE, 24579	703-291-2459
TECHNICON INSTRUMENTS CORP.	ROUTE 11 SOUTH, MIDDLETOWN, 22645	703-869-3200
TELEDYNE VASCO - CK CO.	STATE ROAD 919, CHESAPEAKE, 24592	804-575-7994
TEXACO REFINING & MARKETING, INC.	FOOT OF BANKS STREET, CHESAPEAKE, 23324	804-543-6811
TEXACO REFINING & MARKETING, INC.	U.S. HIGHWAY 460, MONTVALE, 24122	703-947-2213
TEXACO REFINING & MARKETING, INC.	BAINBRIDGE BOULEVARD, CHESAPEAKE, 23320	804-545-3535
TEXACO REFINING & MARKETING, INC.	5801 PETERSBURG PIKE, RICHMOND, 23234	804-743-7860
TEXASGULF CHEMICALS	GOVERNMENT PLANT ROAD, SALTVILLE, 23470	703-496-4741
THRIFT OIL CO.	ROUTE 33, URBANNA, 23175	804-758-2366
TIDEWATER GOOK	2725 SONIC DRIVE, VIRGINIA BEACH, 23456	804-468-5811
TIDEWATER MEMORIAL HOSPITAL	STATE RT 708, TAPPAHNOCK, 22560	804-443-3311
CHASE CITY SEWAGE TREATMENT PLANT	DREW STREET, CHASE CITY, 23924	804-372-3220
CHASE CITY SEWAGE TREATMENT PLANT	HIGH STREET, CHASE CITY, 23924	804-372-3220
CREWE UTILITY DEPARTMENT	125 E. CAROLINA AVE, CREWE, 23930	804-645-9453

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COMPANY	ADDRESS	TELEPHONE
FRIES WASTEWATER TREATMENT PLANT	MAIN STREET, FRIES, 24330	703-744-7977
GATE CITY SEWER PLANT	STATE ROAD 619, GATE CITY, 24251	703-386-3831
GATE CITY WATER PLANT	BROADWATER AVE, GATE CITY, 24251	804-386-3631
HILLSVILLE AERATED LAGOON STP	ROUTE 221 NORTH, HILLSVILLE, 24343	703-728-4391
HILLSVILLE TRICKLING FILTER PLANT	REYNOLDS AVE, HILLSVILLE, 24342	703-728-4391
HILLSVILLE WATER TREATMENT PLANT	US ROUTE 58 & ROAD 703, HILLSVILLE, 24343	703-728-9824
LEESBURG WATER POLLUTION CONTROL FAC.	15 W MARKET STREET, LEESBURG, 22075	703-777-4907
MIDDLEBURG WASTE TREATMENT PLANT	10 WEST MARSHALL STREET, MIDDLEBURG, 22117	703-687-5152
NEW MARKET MAINTENANCE BUILDING	187 STONEWALL STREET, NEW MARKET, 22844	703-740-3432
WARSAW WASTEWATER TREATMENT PLANT	7 BELLEVILLE LANE, WARSAW, 22572	804-333-3103
TRANS WORLD AIRLINES, INC.	NATIONAL AIRPORT, ALEXANDRIA,	703-769-6010
TRANS WORLD AIRLINES, INC.	DULLES AIRPORT, FAIRFAX,	703-769-9321
TRI-CITY PRINTING & PUBLISHING CO.	206 APPOMATTOX STREET, HOPEWELL, 23860	804-748-4449
TRI-COUNTY OIL CO.	823 GUNNERY ROAD, FREDERICKSBURG, 22404	703-373-3132
TRIPLE-D SALES CO., INC.	P.O. BOX 3D, ROCHELLE, 22738	703-572-5821
TULTEX CORP.	FRANKLIN STREET, MARTINSVILLE, 24112	703-632-2961
UNIMIN CORP.	ROUTE 50, GORE, 22637	703-858-3444
UNION CAMP CORP.	2801 COFER ROAD, RICHMOND, 23224	804-232-5681
UNION CAMP CORP.	ROUTE 58 E, FRANKLIN, 23851	804-569-4321
UNION CARBIDE CORP.	3201 NORTH ARMISTEAD AVENUE, HAMPTON, 23666	804-865-0801
UNION CARBIDE CORP.	2330 BOWDENS FERRY ROAD, NORFOLK, 23508	804-627-5673
UNIROYAL GOODRICH TIRE CO.	BIRD STREET EXTENDED, SCOTTSVILLE, 24590	804-286-2011
UNITED STATES GYPSUM CO.	1001 BUCHANAN STREET, NORFOLK, 23523	804-545-2461
UVA HOSPITAL/RESEARCH LAB-ENVTL. HEALTH & SAFETY	EDGEMONT ROAD, CHARLOTTESVILLE, 22903	804-924-3622
UPACO ADHESIVES INC.	4105 CASTLEWOOD ROAD, RICHMOND, 23235	804-275-9231
UPPER OCCOQUAN SEWAGE AUTHORITY	14631 COMPTON ROAD, CENTREVILLE, 22020	703-830-2200
US GEOLOGICAL SURVEY	12201 SUNRISE VALLEY DRIVE, RESTON, 22092	703-648-7556
US OIL-COX OIL & GAS CO. INC.	7 EDMUNDS STREET, SOUTH BOSTON, 24592	804-572-4981
US PLYWOOD	ROUTE 879, ROUTE 360, SOUTH BOSTON, 24592	804-572-4971
USG INDUSTRIES, INC.	STATE ROUTE 635, RIPPLEMEAD, 24150	703-626-7163
VALLEY FERTILIZER & CHEMICAL CO.	201 VALLEY ROAD, MOUNT JACKSON, 22842	703-477-3121
VALLEY FERTILIZER & CHEMICAL CO.	STATE ROUTE 632, LURAY, 22835	703-778-3953
VALLEY PROTEINS INC.	ROUTE 58, EMPORIA, 23847	804-634-9475
VALLEY TIMBER SALES	RT.15 ZION CROSSRDS, TROY, 22974	804-589-3015
VALLEYDALE PACKERS, INC.	1013 IOWA STREET, SALEM, 24153	703-389-5473
VALLEYDALE PACKERS, INC.	1119 COMMONWEALTH, BRISTOL, 24201	703-669-3112
VAN WATERS & ROGERS, INC.	9733 COACH ROAD, RICHMOND, 23234	804-743-0540
VAPCO	9218 PRINCE WILLIAM STREET, MANASSAS, 22110	703-368-9811
VAUGHAN-BASSETT FURNITURE COMPANY	OLDTOWN STREET, GALAX, 24333	703-236-6161
VELVET TEXTILE COMPANY, INC.	300 CHURCH STREET, BLACKSTONE, 23824	804-292-7211

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COMPANY	ADDRESS	TELEPHONE
HOECHST CELANESE	3340 WEST NORFOLK ROAD, PORTSMOUTH, 23703	804-483-7000
VA COMMONWEALTH UNIVERSITY (MCV)	1010 E MARSHALL STREET, RICHMOND, 23298	804-786-9131
VIRGINIA FIBRE CORP.	STATE ROUTE 600, GLADSTONE, 24553	804-933-8643
VIRGINIA GRAVURE, INC.	7400 IMPALA DRIVE, RICHMOND, 23228	804-264-3800
VA INSTITUTE OF MARINE SCIENCE	COLLEGE OF WILLIAM & MARY, GLOUCESTER, 23185	804-642-7254
VIRGINIA IRON, COAL AND COKE CO.	RT 702 TOMS CREEK RD, COEBURN, 24230	703-395-3316
VIRGINIA LIME CO.	ROUTE 684, RIPPLEMEAD, 24150	703-626-7186
VIRGINIA LITHOGRAPHY AND GRAPHICS CO.	502 FIFTH STREET, ROANOKE, 24016	703-344-4111
VIRGINIA PANEL CORP.	1400 NEW HOPE ROAD, WAYNESBORO, 22980	703-949-8376
VIRGINIA PLASTICS CO.	3423 AERIAL WAY DRIVE, S.W., ROANOKE, 24018	703-985-3811
VIRGINIA PORT AUTHORITY	600 WORLD TRADE CENTER, NORFOLK, 23510	804-623-8000
VIRGINIA POWER BATH COUNTY PUMP STORAGE STATION	STATE ROUTE 600, WARM SPRINGS, 24484	804-279-3258
VIRGINIA POWER BREMO POWER STATION	STATE ROUTE 656, BREMO BLUFF, 23022	804-842-3103
VIRGINIA POWER CHESAPEAKE ENERGY CENTER	2701 VEPCO STREET, CHESAPEAKE, 23323	804-485-6754
VIRGINIA POWER CHESTERFIELD POWER STATION	ROUTE 615, CHESTER, 23832	804-796-6015
VIRGINIA POWER NORTH ANNA POWER STATION	ROUTE 700, MINERAL, 23117	703-894-5151
VIRGINIA POWER POSSUM POINT POWER STATION	19000 POSSUM POINT ROAD, DUMFRIES, 22026	703-221-4074
VIRGINIA POWER SURRY POWER STATION	ROUTE 650, SURRY, 23883	804-357-3184
VIRGINIA POWER YORKTOWN POWER STATION	STATE ROUTE 631, YORKTOWN, 23690	703-898-2555
VIRGINIA TECH - MIDDLEBURG AGRIC. EXPER. STATION	ROUTE 2, BOX 9, MIDDLEBURG, 22117	703-687-3521
VIRGINIA TECH - SOUTHWEST VIRGINIA RESEARCH STA.	EXTENSION SERVICE, GLADE SPRING, 24340	703-944-3668
VIRGINIA TECH - HAMPTON ROADS AGRIC. EXPER. STA.	1444 DIAMOND SPRING ROAD, VIRGINIA BEACH, 23455	804-446-4900
VIRGINIA TECH - TIDEWATER AGRIC. EXPERIMENT STA.	6321 HOLLAND ROAD, SUFFOLK, 23437	804-657-6103
VIRGINIA TECH - EASTERN SHORE AGRIC. EXPER. STA.	ROUTE 1, BOX 133, PAINTER, 23420	804-442-6411
VIRGINIA TECH - WINCHESTER FRUIT RESEARCH LAB.	2500 VALLEY AVENUE, WINCHESTER, 22601	703-667-8330
VIRGINIA TECH - OCCOQUAN WATERSHED MONIT. LAB.	9408 PRINCE WILLIAM ST., MANASSAS, 22110	703-361-5606
VIRGINIA TECH - BLACKSBURG CAMPUS	DEPARTMENT OF HEALTH & SAFETY, BLACKSBURG, 24061	703-961-6775
VIRGINIA TECH - SHENANDOAH VALLEY RESEARCH STA.	SHENANDOAH VALLEY RESEARCH FAC, STEELES TAVERN, 24476	804-377-2255
VIRGINIA TECH - NORTHERN PIEDMONT AGRIC. EXPER.	ROUTE 15 SOUTH, ORANGE, 22960	703-672-2660
VIRGINIA TECH - EQUINE MEDICAL CENTER	542 OLD WATERFORD ROAD, LEESBURG, 22075	703-771-6800
VIRGINIA TECH - SOUTHERN PIEDMONT EXPER. STATION	ROUTE 40 EAST, BLACKSTONE, 23824	804-292-5331
VIRGINIA-AMERICAN WATER COMPANY	ROUTE 10 AT INDUSTRIAL STREET, HOPEWELL, 23860	804-458-8128
VIRGINIAN-PILOT & LEDGER-STAR	150 W. BRAMBLETON AVE., NORFOLK, 23501	804-446-2412
VIRGINIAN-PILOT & LEDGER-STAR	5429 GREENWICH ROAD, VIRGINIA BEACH, 23462	804-446-2412
VOLVO WHITE TRUCK CORP.	HWY 643, DUBLIN, 24084	703-674-4181
WR GRACE & COMPANY	200 S. LUDENBURG AVE., SOUTH HILL, 23970	901-522-2000
WALLACE COMPUTER SERVICES, INC.	10 WALLACE AVENUE, LURAY, 22835	703-743-6541
WAMPLER FOODS, INC.	ROUTE 33 W, HINTON, 22831	703-867-9221
WAMPLER FOODS, INC. - LONG ACRE FEED DIVISION	590 MT. CLINTON PIKE, HARRISONBURG, 22801	703-434-2519
WARE OIL COMPANY, INC.	U.S. HIGHWAY 17 SOUTH, DUNNSVILLE, 22454	804-443-3902

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COMPANY	ADDRESS	TELEPHONE
WARWICK CUSTOM KITCHENS MFG. CO.	487 DENBIGH BLVD., NEWPORT NEWS, 23602	804-874-6801
WARWICK MANUFACTURING CORP.	1112 CAVALIER BOULEVARD, CHESAPEAKE, 23323	804-485-5400
WASHINGTON COUNTY SERVICE AUTHORITY	177 COURT STREET, ABINGDOM, 24210	703-628-6091
WASHINGTON GAS - SPRINGFIELD OPERATIONS CENTER	6801 INDUSTRIAL ROAD, SPRINGFIELD, 22151	703-750-5631
WATER COUNTRY, USA	ROUTE 199, WILLIAMSBURG, 23187	804-229-9300
WATER TECHNOLOGIES INC.	7525 MILK-A-WAY DRIVE, NW, ROANOKE, 24019	703-563-5300
WATERFIELD FARMS	ROUTE 1, RAPIDAN, 22733	703-854-5521
WATKINS NURSERIES	15001 MIDLOTHIAN TURNPIKE, MIDLOTHIAN, 23113	804-794-5016
WATTS PETROLEUM CORP.	1505 RUTHERFORD STREET, LYNCHBURG, 24501	804-846-6509
WEADON PRINTING, INC.	6430 GENERAL GREEN WAY, ALEXANDRIA, 22312	703-750-0800
WEBB FURNITURE ENTERPRISES, INC. - PLANT 1	RAILROAD AVENUE, GALAX, 24333	703-236-2984
WEBB FURNITURE ENTERPRISES, INC. - PLANT 2	SOUTH MAIN STREET, GALAX, 24333	703-236-2984
WEBB FURNITURE ENTERPRISES, INC. - PLANT 3	JACKSON STREET, GALAX, 24333	703-236-2984
WEBLITE CORP.	ROUTE 738, WEBSTER, 24064	703-977-1426
WELCO MANUFACTURING CO., INC.	1100 ROUSE PARK, CHILHOWIE, 24319	816-471-1788
WESTPOINT PEPPERELL	P.O. BOX 71, WEST POINT, 31833	404-645-4575
WESTERN FUMIGATION	WAREHOUSE CELL 6J, NORFOLK, 23452	804-436-2618
WESTINGHOUSE ELECTRIC CORP.	HIGHWAY 58 WEST, SOUTH BOSTON, 24592	804-575-7971
WESTINGHOUSE ELECTRIC CORP.	ROUTE 2, HIGHWAY 11, ABINGDOM, 24210	703-628-9161
WESTOVER DAIRY	2801 FORT AVENUE, LYNCHBURG, 24506	804-528-2560
WESTVACO	2828 COFFER ROAD, RICHMOND, 23224	804-232-6746
WESTVACO	WESTVACO PLANT, LOW MOOR, 24457	703-969-5000
WESTVACO	320 HULL STREET, RICHMOND, 23224	804-233-9205
WESTVACO	WESTVACO PLANT, COVINGTON, 24426	703-969-5000
WHITTET & SHEPPERSON, INC.	117 SOUTH THIRD STREET, RICHMOND, 23219	804-649-9047
WILKINSON PRINTING CO., INC.	8704 BROOK ROAD, GLEN ALLEN, 23060	804-264-2524
WILLIAMSBURG COMMUNITY HOSPITAL	1238 MT. VERNON AVENUE, WILLIAMSBURG, 23185	804-253-6082
WILLIAMSBURG WATER FILTRATION PLANT	618 WALLER HILL RD, WILLIAMSBURG, 23185	804-229-4831
WILLIAMSBURG WATER TREATMENT PLANT	618 WALLER HILL ROAD, WILLIAMSBURG, 23185	804-229-4831
WINCHESTER MEDICAL CENTER	S. STEWART STREET, WINCHESTER, 22601	703-665-5132
WINDWARD INTERNATIONAL, INC.	300 STAFFORD UMBERGER, WYTHEVILLE, 24383	703-228-7717
WONDERKNIT/SCOREBOARD	MADISON STREET, GALAX, 24333	704-236-2904
WOOD FIBER INDUSTRIES, INC.	STATE RD 1172, DANVILLE, 24543	804-797-1321
WORKMAN OIL COMPANY	828 MACON STREET, BEDFORD, 24523	703-586-8311
WYTHE FUEL SERVICE, INC.	150 RAILROAD AVENUE, WYTHEVILLE, 24382	703-228-4512
WYTHE PRECISION MACHINE COMPANY, INC.	ROUTE 1, BOX 74, MAX MEADOWS, 24360	703-637-3126
YATES-BOWLES OIL COMPANY	U.S. ROUTE 60 WEST, POWHATAN, 23139	804-232-5623
YOUNG-PHILLIPS SALES COMPANY	5120 GLEN ALDEN DRIVE, RICHMOND, 23231	919-788-0110
ZAPATA HAYNIE CORPORATION	HWY 659, REEDVILLE, 22539	804-453-4211
ZEROPACK COMPANY	560 NO. CAMERON STREET, WINCHESTER, 22601	703-662-3885

COMPANY	ADDRESS	TELEPHONE
UNITED REFRIGERATED SERVICES, INCORPORATED	3801 E. PRINCESS ANNE ROAD, NORFOLK, 23502	404-261-6691
COLCHESTER PUBLIC SERVICE	10609 GREEN DRIVE, LORTON, 22079	703-339-7169
AT&T - RESTON	1831 WIEHLE AVENUE, 1ST FLOOR, RESTON, 22090	703-471-2108
BASSETT-WALKER	WALKER ROAD, MARTINSVILLE, 24115	703-632-5601
BURLINGTON INDUSTRIES, INC. - HURT FINISHING PLT	P.O. BOX 391, ALTAVISTA, 24517	804-369-4751
PORTSMOUTH, CITY OF	603 CRAWFORD STREET, PORTSMOUTH, 23704	804-393-8641
GLOUCESTER-MATHEWS GAZETTE-JOURNAL	MAIN STREET, GLOUCESTER, 23061	804-693-3101
KEYSTONE ENVIRONMENTAL RESOURCES, INC.	ROANOKE FACILITY, ROANOKE,	412-227-2683
PARKER OIL CO., INC.	617 SOUTH MAIN STREET, CHASE CITY, 23924	804-372-4616
PIEDMONT LABEL CO. INC.	311 WEST DEPOT STREET, BEDFORD, 24533	703-586-2311
SHOCKEY BROS, INC.	US ROUTE 11 NORTH, WINCHESTER, 22601	703-667-7700
LEESBURG WATER TREATMENT PLANT	EDWARDS FERRY ROAD, LEESBURG, 22075	703-777-8063
NEW MARKET WASTEWATER TREATMENT PLANT	ROUTE 734, NEW MARKET, 22844	703-740-3432
NEW MARKET WATER TREATMENT PLANT	ROUTE 620, NEW MARKET, 22844	703-740-3432
NEW MARKET TOWN WELLS	ROUTE 211, NEW MARKET, 22844	703-740-3432
WATTS PETROLEUM CORP.	531 MAIN STREET, ALTAVISTA,	804-846-6509
WATTS PETROLEUM CORP.	ROUTE 122, MONETA, 24121	804-846-6509
BLUE BEACON OF RUTHER GLEN	I-95, EXIT 41, ROUTE 207, RUTHER GLEN, 22546	913-825-2221
GTE SOUTH	HIGHWAY 643, HURLEY, 24614	703-566-8705
WARRENTON UTILITIES	18 COURT STREET, WARRENTON, 22186	703-347-1101
AMP INC. - BUILDING 204	5614 HOLLINS ROAD, ROANOKE, 24012	703-563-1338
POTOMAC CONCRETE CONSTRUCTION COMPANY	2318 MILL ROAD, ALEXANDRIA, 22301	703-525-2680
JACK GARST AGENCY, INC.	MAIN STREET, BOONES MILL, 24065	703-334-5880
BACOVA GUILD, LTD. - MILLBORO PLANT	MILLBORO INDUSTRIAL PARK, MILLBORO, 24460	703-839-5313
BACOVA GUILD, LTD.	1 MAIN STREET, BACOVA, 24412	703-839-5313
VIRGINIA TRANSFORMER CORPORATION	1634 SEIBEL DRIVE NE, ROANOKE, 24012	703-345-9892
EXPOSAIC INDUSTRIES, INC. OF VIRGINIA	NA, FREDERICKSBURG, 22404	703-898-1221
RCS-SMITHFIELD INCORPORATED	HIGHWAY 10 NORTH, SMITHFIELD, 23430	804-357-0434
MG INDUSTRIES	310 SOUTH DELPHINE AVENUE, WAYNESBORO, 22980	703-943-0256
STAUNTON - WATER TREATMENT PLANT	ENGLEWOOD DRIVE EXTENDED, STAUNTON, 24401-0034	
STAUNTON - WASTE WATER TREATMENT PLANT	NEW HOPE ROAD, STAUNTON, 24401-0034	
SPERRY MARINE, INC.	1070 SEMINOLE TRAIL, CHARLOTTESVILLE, 22901	804-974-2228
ALBRIGHT & WILSON AMERICAS	100 LAKERIDGE PARKWAY, ASHLAND, 23005	804-752-6100
AUGUSTA COUNTY SERVICE AUTHORITY	STUARTS DRAFT WELL, STUARTS DRAFT, 24477	703-885-6985
AUGUSTA COUNTY SERVICE AUTHORITY	RTE 340 - VESPER VIEW WATER, CRIMORA,	703-248-0518
AUGUSTA COUNTY SERVICE AUTHORITY	RTE 778 - HARRISTON WATER SYS., HARRISTON,	703-248-0518
MCI TELECOMMUNICATIONS CORPORATION	5156 FRANCISTOWN ROAD, GLEN ALLEN, 23060	804-346-3360
MCI TELECOMMUNICATIONS CORPORATION	8 MILES NW OF ROANOKE, FORT LEWIS MOUNTAIN,	804-346-3360
MCI TELECOMMUNICATIONS CORPORATION	RURAL ROUTE 1, BOX 230, EVINGTON, 24550	804-346-3360
PRINCE WILLIAM COUNTY SERVICE AUTHOR. - WWTP	DEPUTY DIRECTOR, WASTEWATER, WOODBRIDGE, 22191	703-670-8101

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COMPANY	ADDRESS	TELEPHONE
HAMPTON CREEK ICE COMPANY	101 SOUTH KING STREET, HAMPTON, 23669	804-722-1915
C&P TELEPHONE CO. - HENRICO	ROUTE 5 & RUFFIN ROAD, RICHMOND,	804-772-3051
C&P TELEPHONE CO. - HENRICO	6102 HERMITAGE ROAD, RICHMOND,	804-772-3051
C&P TELEPHONE CO. - HENRICO	13501 NORTH GAYTON ROAD, RICHMOND,	804-772-3051
C&P TELEPHONE CO. - RICHMOND	3009 HUNGARY SPRINGS ROAD, RICHMOND,	804-772-3051
C&P TELEPHONE CO. - RICHMOND	3500 PEMBERTON ROAD, RICHMOND,	804-772-3051
AMERICAN TOBACCO COMPANY - DEPT R&D	13100 NORTH ENON CHURCH ROAD, CHESTER, 23831	804-748-4561
RIVANNA WATER & SEWER AUTHORITY	UVA DORM AREA, CHARLOTTESVILLE, 22902	804-977-2970
RIVANNA WATER & SEWER AUTHORITY	WOODBURN ROAD NEAR RESERVOIR, CHARLOTTESVILLE, 22902	804-977-2970
RIVANNA WATER & SEWER AUTHORITY	NEAR CAMELOT SUBSIVISION, CHARLOTTESVILLE, 22902	804-977-2970
RIVANNA WATER & SEWER AUTHORITY	NORTH FORK OF RIVANNA, NEAR 29, CHARLOTTESVILLE, 22902	804-977-2970
RIVANNA WATER & SEWER AUTHORITY	BEAVER CREEK RESERVOIR, CHARLOTTESVILLE, 22902	804-977-2970
RIVANNA WATER & SEWER AUTHORITY	TOTIER CREEK RESERVOIR, CHARLOTTESVILLE, 22902	804-977-2970
RIVANNA WATER & SEWER AUTHORITY	SCOTTSVILLE SEWAGE LAGOON, CHARLOTTESVILLE, 22902	804-977-2970
AMHERST COUNTY DEPARTMENT OF PUBLIC UTILITIES	PHELPS ROAD, MADISON HEIGHTS, 24572	804-845-1605
C&P TELEPHONE CO. - MADISON HEIGHTS	US ROUTE 29 & ANN STREET, MADISON HEIGHTS, 24572	804-845-6081
DACAM CORPORATION	STATE ROUTE 766 & KINGS ROAD, MADISON HEIGHTS, 24572	804-845-6081
AMHERST PUBLIC UTILITIES DEPARTMENT	GRANDVIEW DRIVE, AMHERST, 24521	804-946-7885
HERMLE BLACK FOREST CLOCKS	AMHERST INDUSTRIAL PARK, AMHERST, 24521	804-946-7751
LYNCHBURG STEEL & SPECIALTY COMPANY	US ROUTE 29, MONROE, 24574	804-929-0951
AT&T - ARLINGTON	1201 SOUTH HAYES STREET, ARLINGTON, 22202	
C&P TELEPHONE CO. - ARLINGTON	6700 LEE HIGHWAY, ARLINGTON, 22205	
ARLINGTON COUNTY WATER POLLUTION CONTROL PLANT	3401 SOUTH GLEBE ROAD, ARLINGTON, 22202	
ASR	ROUTE 612, ,	703-248-8000
MASTICS	ROUTE 909, STUARTS DRAFT, 24477	
REYNOLDS ALUMINUM	ROUTE 340, GROTTOS, 24441	703-249-5711
RED MILLS MANUFACTURING, INC.	EXPO ROAD, FISHERSVILLE, 22939	703-337-1570
ALLIANCE FERTILIZER CORPORATION	ROUTE 722, MILFORD, 22514	804-633-9851
BIBB COMPANY	US ROUTE 501, BROOKNEAL, 24528	804-376-2311
C&P TELEPHONE CO. - RUSTBURG	US ROUTE 29, RUSTBURG, 24588	804-237-9505
WINEBARGER CORPORATION	WINEBARGER CIRCLE, LYNCHBURG, 24502	804-239-2671
VIRGINIA HOT SPRINGS - HOMESTEAD SKATING RINK	NA, HOT SPRINGS, 24445	703-839-5500
VIRGINIA HOT SPRINGS - STORAGE BUILDING	STORAGE BUILDING, HOT SPRINGS, 24445	703-839-5500
BATH COUNTY PUBLIC SERVICE AUTHORITY	, ASHWOOD,	703-839-2537
BATH COUNTY PUBLIC SERVICE AUTHORITY	ROUTE 615, HOT SPRINGS,	703-839-2537
SOUTHERN STATES COOPERATIVE, INC.	885 ROANOKE STREET, CHRISTIANSBURG, 24073	703-382-2984
OPTICAL INNOVATIONS	ROUTE 4, PETERSBURG, 23803	
VIRGINIA POWER CARSON SUBSTATION	ROUTE 605 BETWEEN 604 & 678, ,	
BUTTERWOOD FARMS	, WILSONS,	
C&P TELEPHONE CO. - MCKENNEY	ROUTE 40, MCKENNEY,	

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COMPANY	ADDRESS	TELEPHONE
C&P TELEPHONE CO. - DINWIDDIE	ROUTE 627, DINWIDDIE,	
GEORGIA-PACIFIC CORPORATION	US ROUTE 1, MCKENNEY,	
TARMAC LONESTAR, INC.	ROUTE 226, PETERSBURG,	
ALL-AMERICAN BOTTLING COMPANY	5330 PORT ROYAL ROAD, SPRINGFIELD, 22151	70-321-7900
FLOYD-FLOYD COUNTY PUBLIC SERVICE AUTHORITY	ROUTE 221, FLOYD, 24091	703-745-4444
ABEX CORPORATION	2410 PAPERMILL ROAD, WINCHESTER, 22601	703-662-3871
WINCHESTER PUBLIC UTILITY - FAY SPRING	RED BUD ROAD, WINCHESTER, 22601	703-662-5353
GARBER ICE CREAM COMPANY	ROUTE 522 SOUTH, WINCHESTER, 22601	703-662-5422
GLAIZE PACKING HOUSE	601 PENNSYLVANIA AVENUE, WINCHESTER, 22601	703-667-3097
FREDERICK COUNTY SANITATION AUTH. - PARKINS HILL	PARKINS HILL RD (RTS 655 & 522), WINCHESTER, 22601	703-722-2155
NATIONAL FRUIT	550 FAIRMONT AVENUE, WINCHESTER, 22601	703-662-3401
O'SULLIVAN CORPORATION	BICKERS STREET, WINCHESTER, 22601	703-665-9531
O'SULLIVAN CORPORATION	BATTALIE DRIVE, WINCHESTER, 22601	703-665-9531
WINCHESTER PUBLIC UTILITY - OLD TOWN SPR	600 BLOCK AMHERST, WINCHESTER, 22601	703-662-5353
WINCHESTER PUBLIC UTILITY - OPEQUON TR.	ROUTE 7 EAST, WINCHESTER, 22601	703-665-9867
FREDERICK COUNTY SANITATION AUTH. - STEPHENS RUN	ROUTE 277, STEPHENS CITY, 22655	703-722-2155
STOWE WOODWARD	ROUTE 11 SOUTH, MIDDLETOWN, 22645	703-869-4000
VIRGINIA APPLE STORAGE	1955 VALLEY AVENUE, WINCHESTER, 22601	703-662-1591
WILSON WELDING	BRICK KILN ROAD, WINCHESTER, 22601	703-662-1180
WINCHESTER PUBLIC UTILITY - WINCHESTER WATER	STATE ROUTE 612, MIDDLETOWN, 22645	703-869-1699
WINCHESTER COLD STORAGE	605 NORTH LOUDON STREET, WINCHESTER, 22601	703-662-4151
HENRY COUNTY PUBLIC SERVICE AUTH. - LAUREL PARK	ROUTE 1607, MARTINSVILLE, 24112	703-673-6515
HENRY COUNTY PUBLIC SERVICE AUTH. - MARROWBONE	ROUTE 1360, MARTINSVILLE, 24112	703-956-2592
HENRY COUNTY PUBLIC SERVICE AUTH. - PHILPOTT PL	ROUTE 674, MARTINSVILLE, 24112	703-629-3227
HENRY COUNTY PUBLIC SERVICE AUTH. - UPPER SMITH	ROUTE 682, MARTINSVILLE, 24112	703-673-6515
MARCO WAREHOUSE - FRITH # II & IV	FONTAINE DRIVE, RIDGEWAY, MARTINSVILLE, 24148	703-638-3146
MARTINSVILLE WATER RESOURCES - FILTRA.	. .	703-632-9393
MARTINSVILLE WATER RESOURCES - POLLUTION	. .	703-638-1733
AMERICAN HOFFMAN	3700 COHEN PLACE, LYNCHBURG, 24506	804-846-8411
C&P TELEPHONE CO. - LYNCHBURG	706 CHURCH STREET, LYNCHBURG, 24504	804-237-9505
COCA-COLA BOTTLING COMPANY	3720 COHEN PLACE, LYNCHBURG, 24506	804-845-4595
LIMITORQUE CORPORATION	5114 WOODALL ROAD, LYNCHBURG, 24506	804-528-4400
PEPSI-COLA BOTTLERS OF LYNCHBURG	CANDLERS MTN RD & MAYFLOWER DR, LYNCHBURG, 24502	703-992-2661
ROCK-TENN COMPANY	1801 CONCORD TURNPIKE, LYNCHBURG, 24505	804-847-5521
WAYTEC ELECTRONICS	1104 MCCONVILLE ROAD, LYNCHBURG, 24506	804-237-6391
WEYERHAUSER COMPANY	3491 MAYFLOWER DRIVE, LYNCHBURG, 24506	804-845-6071
BLACKSBURG/CHRISTAIN/VPI WATER AUTH. FILTRA. PL.	ROUTE 114, RADFORD, 24141	703-639-2575
BLACKSBURG/VPI WASTEWATER TREATMENT PLANT	ROUTE 659, BLACKSBURG, 24060	703-552-6940
CHRISTIANSBURG WASTEWATER TREATMENT PL.	ROUTE 114, CHRISTIANSBURG, 24073	703-382-8221
MONTGOMERY PSA - ELLISTON/LAFAYETTE WW TREATMENT	MONTGOMERY CTY INDUSTRIAL PARK, BLACKSBURG, 24060	703-268-5143

COMPANY	ADDRESS	TELEPHONE
MONTGOMERY PSA - RINER WASTEWATER TREATMENT PLAN	MONTGOMERY CTY INDUSTRIAL PARK, BLACKSBURG, 24060	703-268-5143
MONTGOMERY PSA - SHAWSVILLE WW TREATMENT PLANT	MONTGOMERY CTY INDUSTRIAL PARK, BLACKSBURG, 24060	703-268-5143
RADFORD ARMY AMMUNITION PLANT	ROUTE 114, RADFORD, 24141	703-639-7214
WOLVERINE GASKET	201 INDUSTRIAL PARK ROAD, SE, BLACKSBURG, 24060	703-552-7674
ASSOCIATED CONTAINER TRANSPORTATION	VIRGINIA PORT AUTHORITY, NORFOLK,	804-638-8000
CHEMPHALT OF CAROLINA CORPORATION	1000 LANSING STREET, NORFOLK, 23523	804-545-7371
NORFOLK INTERNATIONAL AIRPORT	NORVIEW AVENUE, NORFOLK, 23501	804-857-3351
NORFOLK INTERNATIONAL TERMINALS	7737 HAMPTON BLVD., NORFOLK, 23505	804-440-7000
GLOBAL TECHNOLOGY SYSTEMS CORP.	8900 HAMPTON BLVD., NORFOLK, 23505	804-423-4912
PELTZ BROTHERS, INC.	3499 INVENTORS ROAD, NORFOLK, 23502	612-332-7371
BETCO BLOCK AND PRODUCTS, INC.	5291 WELLINGTON ROAD, GAINESVILLE, 22065	301-654-1616
POTOMAC NEWS	14010 SMOKETOWN ROAD, WOODBRIDGE, 22192	703-670-8151
ROBERTS OXYGEN COMPANY	8607 QUARRY ROAD, MANASSAS, 22110	703-631-2722
CONN-WELD	ROUTE 682, DUBLIN, 24084	703-674-8833
PULASKI COUNTY - DRAPER WATER TREATMENT PLANT	ROUTE 806, NEWBERN,	703-980-5902
JEFFERSON MILLS	RANDOLPH AVENUE, PULASKI, 24301	703-980-1530
LONG-AIRDOX	NEWBERN ROAD, PULASKI,	703-980-4530
PULASKI COUNTY - NEW RIVER PUMP STATION	ROUTE 622, FAIRLAWN,	703-639-3947
PULASKI COUNTY - PEPPERS FERRY WW TREATMENT PLAN	ROUTE 114, FAIRLAWN,	703-639-3947
PULASKI COUNTY - WATER TREATMENT PLANT	8TH STREET, PULASKI,	703-980-2000
RENFRO CORPORATION	28 SOUTH JEFFERSON AVENUE, PULASKI, 24301	703-655-4077
VIRGINIA ASPHALT PAVING COMPANY	ROUTE 661, DUBLIN,	703-774-4475
WESTPOINT PEPPERELL	BURGESS AVENUE, PULASKI,	703-980-2640
XALOY	BURGESS AVENUE, PULASKI,	703-980-7560
ALLIED TOOL AND MACHINE CORPORATION	, ,	703-342-6781
AMERICAN CHEMICAL COMPANY	207 BULLIT AVE SE, ROANOKE, 24013	703-343-0101
BARTLETT TREE COMPANY	, ,	703-343-9376
BLUE STONE BLOCK, INC.	1510 WALLACE AVE NE, ROANOKE, 24012	703-982-3588
ROCKINGHAM COUNTY - MCGAHEYSVILLE WW TREATMENT	SOUTH OF ROUTE 641, MCGAHEYSVILLE,	703-434-4455
ROCKINGHAM COUNTY - MCGAHEYSVILLE WATER TREATMT.	ROUTES 650 & 651, MCGAHEYSVILLE,	703-434-4455
ROCKINGHAM COUNTY - MCGAHEYSVILLE SEWAGE PLANT	, MCGAHEYSVILLE,	703-434-4455
GOLDEN FOODS, INC.	862 NORTH LIBERTY STREET, HARRISONBURG, 22801	703-833-2701
HARRISONBURG WATER TREATMENT PLANT	77 GRANDVIEW DRIVE, HARRISONBURG, 22801	703-434-2545
HARRISONBURG-ROCKINGHAM RSA-NORTH RIVER WW PLANT	NORTH RIVER ROAD, MT. CRAWFORD, 22841	703-434-1053
MANN INDUSTRIES, INC. (ACRYLIC MANUFACTURING)	ROUTE 60, LEE HALL, 23603	804-887-6797
PETERSBURG AGRITERMINAL	5025 EAST WHITEHILL COURT, PRINCE GEORGE, 23875	804-732-6166
IBS SHENANDOAH VALLEY, INC.	, WAYNESBORO, 22980	703-943-6304
US SPRINT - RICHMOND	1001 NORTH 17TH STREET, RICHMOND, 23234	804-783-6176
US SPRINT - FREDERICKSBURG	RAILROAD & SUMMIT STREETS, FREDERICKSBURG, 22401	804-783-6176
US SPRINT - NEWPORT NEWS	403 UNION STREET, NEWPORT NEWS, 23601	804-783-6176

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
US SPRINT - CHARLES CITY	ROUTE 609 & CSX RAILROAD, CHARLES CITY,	804-783-6176
US SPRINT - TOANO	DEPOT STREET & CSX RAILROAD, TOANO, 23168	804-783-6176
US SPRINT - NEWPORT NEWS	ELMHURST & CSX RAILROAD, NEWPORT NEWS, 23603	804-783-6176
US SPRINT - SPRINGFIELD	7001 WINSATT ROAD, SPRINGFIELD,	804-783-6176
US SPRINT - BRISTOW	100800 BRISTOW ROAD, BRISTOW,	804-783-6176
US SPRINT - REMINGTON	NA, REMINGTON,	804-783-6176
US SPRINT - BUENA	NORFOLK & SOUTHERN RAILROAD, BUENA,	804-783-6176
US SPRINT - BARBOURSVILLE	NORFOLK & SOUTHERN RAILROAD, BARBOURSVILLE,	804-783-6176
US SPRINT - CHARLOTTESVILLE	845 ESTES STREET, CHARLOTTESVILLE,	804-783-6176
US SPRINT - HAMNER	ROUTE 774, HAMNER,	804-783-6176
US SPRINT - NEW GLASGOW	ROUTE 608, NEW GLASGOW,	804-783-6176
US SPRINT - LYNCHBURG	RUTHERFORD STREET, LYNCHBURG,	804-783-6176
US SPRINT - GOODE	ROUTE 762, GOODE,	804-783-6176
US SPRINT - BLUE RIDGE	ROUTE 460 & N&S RAILROAD, BLUE RIDGE,	804-783-6176
US SPRINT - VINTON	333 HIGHLAND AVE, VINTON,	804-783-6176
US SPRINT - BOONES MILL	ROUTE 615, BOONES MILL,	804-783-6176
US SPRINT - ROCKY MOUNT	ROUTE 640, ROCKY MOUNT,	804-783-6176
US SPRINT - PHILPOTT	ROUTE 674, PHILPOTT,	804-783-6176
US SPRINT - FONTAINE	ROUTE 976, FONTAINE,	804-783-6176
US SPRINT - NORFOLK	5625 VIRGINIA BEACH BLVD, NORFOLK,	804-783-6176
SCOTT COUNTY WATER AND SEWERAGE AUTHORITY	ROUTE 5, BOX 17-13, GATE CITY, 24251	703-386-7751
MCI TELECOMMUNICATIONS CORPORATION	5.3 MILES NW OF GREEN BAY, WORSHAM, 23901	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	WOODFORD SITE, CAROLINE, 22580	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	WOODBIDGE SITE, WOODBIDGE, 22191	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	3.5 MILES SE OF WHITMELL, WHITMELL, 24531	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	.8 MILES NNW OF WALKERS, WALKERS, 23124	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	1.7 MILES SE OF TOBACCOVILLE, TOBACCOVILLE,	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	0.4 MILES SE OF SURRY, SURRY, 23883	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	1.2 MILES WSW OF RED HOUSE, RED HOUSE, 24588	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	POWHATAN SITE, POWHATAN, 23139	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	PITTSVILLE, PITTSVILLE, 24531	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	3.5 MILES SSE OF POINDEXTER, LITTLE ROCK CREEK, 23093	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	1.4 MILES NE OF HOLLY GROVE, HOLLY GROVE,	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	26 MILES WEST OF LYNCHBURG, FOSTER KNOB,	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	EMPORIA SITE, EMPORIA, 23884	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	DOSWELL SITE, DOSWELL, 23047	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	CENTRALIA SITE, CENTRALIA, 23831	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	8.5 MILES NE OF HIGHLAND SWAMP, CATTAIL SWAMP, 23124	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	CARSON SITE, CARSON, 23930	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	CARROLTON SITE, CARROLTON, 23397	804-527-1235

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
MCI TELECOMMUNICATIONS CORPORATION	BROOKE SITE, BROOKE, 22430	804-527-1235
MCI TELECOMMUNICATIONS CORPORATION	3600 WEST BROAD ST, SUITE 480, RICHMOND, 23230	804-527-1227
MCI TELECOMMUNICATIONS CORPORATION	101 S. JEFFERSON ST, SUITE 510, ROANOKE, 24011	804-527-1227
MCI TELECOMMUNICATIONS CORPORATION	234 MONTICELLO AVE, 8TH FLOOR, NORFOLK, 23510	804-527-1227
WILLIAMS TELECOMMUNICATIONS GROUP	2800 LAURELBROOK DRIVE, RICHMOND, 23224	919-850-9229
C&P TELEPHONE CO. - STAFFORD	3 HOUSER DRIVE, FREDERICKSBURG, 22401	301-236-1880
C&P TELEPHONE CO. - FREDERICKSBURG	901 PRINCE EDWARD STREET, FREDERICKSBURG, 22401	301-236-1880
MCI TELECOMMUNICATIONS CORPORATION	ROUTE 3, BOX 127X, WINCHESTER, 22601	703-869-1344
MCI TELECOMMUNICATIONS CORPORATION	LAT 38/28/43 LONG 78/24/58, FORK MOUNTAIN,	703-869-1344
MCI TELECOMMUNICATIONS CORPORATION	LAT 38/57/07 LONG 78/01/46, LINDEN,	703-869-1344
MCI TELECOMMUNICATIONS CORPORATION	LAT 39/13/15 LONG 78/20/17, GORE, 22637	703-869-1344
US GENERAL SERVICES ADMINISTRATION REGION III	6810 LOISDALE ROAD (BLDG A), SPRINGFIELD, 22150	703-557-1440
GILMER INDUSTRIES, INC.	1586-B SOUTH MAIN STREET, HARRISONBURG, 22801	703-434-8877
SEWELL PRODUCTS, INC.	27 HILL LANE, SALEM, 24153	703-389-5401
CULPEPER FARMERS COOP INC.	819 JAMES MADISON HIGHWAY, CULPEPER, 22701	703-825-2200
CULPEPER FARMERS COOP INC. - FERTILIZER PLANT	819 JAMES MADISON HIGHWAY, CULPEPER, 22701	703-825-2200
RAPPAHANNOCK FARMERS COOP. INC.	ROUTE 21 (BTW SPERRY. & WASH.), SPERRYVILLE, 22740	703-987-8555
REMINGTON FARMERS COOP. INC.	MAIN STREET EAST AT RR TRACKS, REMINGTON, 22734	703-439-3254
WARRENTON FARMERS COOP INC.	143 WASHINGTON STREET, WARRENTON, 22186	703-347-7100
MARSHALL FARMERS COOP, INC.	MAIN STREET, MARSHALL, 22115	703-364-1533
MAURERTOWN FARMERS COOP, INC.	ROUTE 11 SOUTH OF TOWN, MAURERTOWN, 22644	703-459-5304
INTERSTATE TIRE COMPANY	5921 THURSTON AVE, VIRGINIA BEACH,	804-464-2019
INTERSTATE TIRE COMPANY	1806 JEFFERSON DAVIS HIGHWAY, RICHMOND,	804-233-4379
COGENTRIX VIRGINIA LEASING CORP.	ONE WILD DUCK LAND, PORTSMOUTH, 23703	804-484-3540
PRILLAMAN CHEMICAL CORP.	201 SUBURBAN DRIVE, SUFFOLK, 23434	804-539-7401
PRILLAMAN CHEMICAL CORP.	1312 MCCLOUD ROAD, CHESAPEAKE,	804-539-7401
INTERSTATE TIRE COMPANY	245 EAST WASHINGTON STREET, HARRISONBURG,	703-433-2416
MANN INDUSTRIES, INC.	ROUTE 60 EAST, WILLIAMSBURG, 23185	804-888-8000
JOHN FLANNAGAN WATER AUTHORITY	ROUTE 614, DICKENSON COUNTY, HAYS1, 24256	703-835-8629
NEWS-VIRGINIAN	544 WEST MAIN STREET, WAYNESBORO, 22980	703-949-8213
DALE SERVICE CORPORATION #8 STP	14420 DELANY ROAD, DALE CITY, 22193	703-494-4161
DALE SERVICE CORPORATION #1 STP	15051 BIRCHDALE AVE, DALE CITY, 22193	703-494-4161
C&P TELEPHONE CO. - WINCHESTER	120 NORTH BRADDOCK STREET, WINCHESTER, 22601	804-772-3474
BIG A AUTO PARTS	1818 ROBERTS STREET, WINCHESTER, 22601	703-667-5252
STEPHENS CITY WASTEWATER TREATMENT PLANT	ROUTE 1012, STEPHENS CITY, 22655	703-869-3087
WINCHESTER PRINTERS	1840 AMHERST STREET, WINCHESTER, 22601	703-665-5132
SHENANDOAH GAS	ROUTE 612 (.6 MILES N OF 840), CEDAR CREEK,	703-869-1111
E-SYSTEMS, INC.	7700 ARLINGTON BLVD, FAIRFAX, 22046	703-560-5000
FAIRFAX COUNTY PARK AUTHORITY-LAKE FAIRFAX PARK	1400 LAKE FAIRFAX DRIVE, FAIRFAX,	
OGDEN MARTIN SYSTEMS OF FAIRFAX, INC.	9998-T FURNACE ROAD, LORTON, 22079	703-690-0373

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
NORTH.VA REG. PARK AUTH.-POHICK BAY REGION. PARK	10301 GUNSTON ROAD, FAIRFAX, 22079	
C&P TELEPHONE CO. - FAIRFAX	3101 BURGUNDY DRIVE, FAIRFAX, 22030	301-236-1860
RICH PRODUCTS CORPORATION - WINCHESTER DIVISION	801 NORTH KENT STREET, WINCHESTER, 22601	703-667-1955
POTOMAC SUPPLY CORPORATION	ROUTE 203, KINSALE, 22488	804-472-2527
R.R. DONNELLEY & SONS COMPANY	1400 KRATZER ROAD, HARRISONBURG, 22801	703-434-8833
K MART STORE 3002	6807 MIDLOTHIAN TURNPIKE, RICHMOND, 23225	804-276-5141
K MART STORE 3091	801 NORTH MILITARY HIGHWAY, NORFOLK, 23502	804-461-8282
K MART STORE 3122	401 ORIANA ROAD, NEWPORT NEWS, 23602	804-874-4242
K MART STORE 3154	210 WEST MERCURY BLVD, HAMPTON, 23669	804-722-3916
K MART STORE 3203	2400 EAST WASHINGTON STREET, PETERSBURG, 23803	804-861-3600
K MART STORE 3206	4815 NINE MILE ROAD, RICHMOND, 23223	804-222-5684
K MART STORE 3324	3533 FRANKLIN ROAD, SW, ROANOKE, 24014	703-982-0995
K MART STORE 3336	5432 GLENSIDE DRIVE, RICHMOND, 23228	804-672-9066
K MART STORE 3340	494 ELDEN STREET, HENRDON, 22070	703-437-7900
K MART STORE 3365	741 LITTLE CREEK ROAD EAST, NORFOLK, 23518	804-480-1732
K MART STORE 3467	4080 JERMANTOWN ROAD, FAIRFAX, 22030	703-591-7010
K MART STORE 3471	2001 SOUTH MILITARY HIGHWAY, CHESAPEAKE, 23320	804-543-2016
K MART STORE 3512	2851 DALE BLVD, WOODBRIDGE, 22193	703-670-3186
K MART STORE 3544	1355 WEST MAIN STREET, SALEM, 24153	703-387-2521
K MART STORE 3560	1205 FORDHAM DRIVE, VIRGINIA BEACH, 23464	804-424-7835
K MART STORE 3598	1419 HERSHBERGER RD NW, ROANOKE, 24012	703-366-4351
K MART STORE 3634	11003 HULL STREET ROAD, MIDLOTHIAN, 23113	804-674-5191
K MART STORE 3689	300 TOWNE CENTRE DRIVE, ABINGDON, 24210	703-628-7672
K MART STORE 3705	US ROUTE 23 BYPASS, WISE, 24293	703-679-0882
K MART STORE 3706	1480 EAST MAIN STREET, WYTHEVILLE, 24382	703-228-8660
K MART STORE 3709	1675 SOUTH PLEASANT VALLEY, WINCHESTER, 22601	703-722-2393
K MART STORE 3712	7704 RICHMOND HIGHWAY, ALEXANDRIA, 22306	703-799-0902
K MART STORE 3742	4300 PORTSMOUTH BLVD, CHESPEAKE, 23321	804-465-5167
K MART STORE 3753	RR 7 US HIGHWAY 60 EAST, LEXINGTON, 24450	703-463-4770
K MART STORE 3754	US HIGHWAY 220 SOUTH, MARTINSVILLE, 24112	703-666-5960
K MART STORE 3792	6000 BURKE COMMONS ROAD, BURKE, 22015	703-764-2095
K MART STORE 3795	3655 PLANK ROAD, FREDERICKSBURG, 22401	703-786-0440
K MART STORE 3801	312 CONSTITUTION DRIVE, VIRGINIA BEACH, 23462	804-497-0389
K MART STORE 4062	3311 RIVERSIDE DRIVE, DANVILLE, 24541	804-793-0311
K MART STORE 4084	2312 WARDS ROAD, LYNCHBURG, 24502	804-239-2681
K MART STORE 4090	1801 HYDRAULIC ROAD, CHARLOTTESVILLE, 22901	804-296-5646
K MART STORE 4212	7807 SUDLEY ROAD, MANASSAS, 22110	703-368-0101
K MART STORE 4483	4251 JOHN MARR DRIVE, ANNANDALE, 22003	703-941-5100
K MART STORE 7032	1835 EAST MARKET STREET, HARRISONBURG, 22801	703-433-2541
K MART STORE 7095	550 FIRST COLONIAL ROAD, VIRGINA BEACH, 23451	804-622-4144

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
K MART STORE 7136	P.O. BOX 600, MADISON HEIGHTS, 24572	804-528-8555
K MART STORE 7172	510 EAST MARKET STREET, LEESBURG, 22075	703-777-7878
K MART STORE 7256	5700 JEFFERSON DAVIS HIGHWAY, RICHMOND, 23234	804-743-1041
K MART STORE 7258	11008 WARWICK BLVD, NEWPORT NEWS, 23601	804-596-7651
K MART STORE 7259	118 WALLER MILL ROAD, WILLIAMSBURG, 23185	804-220-2200
K MART STORE 7380	801 CHIMNEY HILL SHOPPING CTR, VIRGINIA BEACH, 23452	804-463-4620
K MART STORE 7415	6364 SPRINGFIELD PLAZA, SPRINGFIELD, 22150	703-644-5230
K MART STORE 7503	2205 SOUTH CRATER ROAD, PETERSBURG, 23805	804-861-5880
K MART STORE 9084	RADFORD SHOP PLAZA, RADFORD, 24141	703-639-9641
K MART STORE 9087	NORTH MAIN STREET, MARION, 24354	703-783-5153
K MART STORE 9125	465 SOUTH STREET, FRONT ROYAL, 22630	703-636-6181
K MART STORE 9154	RFD 5, COVINGTON, 24426	703-962-6141
K MART STORE 9205	2713 WEST MAIN STREET, WAYNESBORO, 22980	703-949-6137
K MART STORE 9211	1106 GREENVILLE AVE, STAUNTON, 24401	703-885-8175
K MART STORE 9514	1070 FREDERICK BLVD, PORTSMOUTH, 23707	804-399-4078
K MART STORE 9578	1411 SOUTH MAIN STREET, BLACKSBURG, 24060	703-953-1920
K MART STORE 9737	ROUTE 3, BOX 490, CEDAR BLUFF, 24609	703-963-1076
SEARS STORE #21128	THRIFTWAY SHOPPING CENTER, PEARISBURG, 24134	703-921-3551
MEHERRIN AGRICULTURAL & CHEMICAL COMPANY	105 SOUTHWEST AVE, BLACKSTONE, 23824	804-292-5972
MEHERRIN AGRICULTURAL & CHEMICAL COMPANY	RAILROAD AVE, WAKEFIELD, 23888	804-899-2831
CONSOLIDATED GLASS & MIRROR CORP	110 JACK GUYNN DRIVE, GALAX, 24333	703-236-5196
CONSOLIDATED GLASS & MIRROR CORP	305 LINEBERRY ROAD, GALAX, 24333	703-236-5196
MARVA MAID DAIRY	5500 CHESTNUR AVENUE, NEWPORT NEWS, 23605	804-245-3857
JEFF DAVIS BATTERY COMPANY	224 JEFF DAVIS HIGHWAY, RICHMOND, 23224	804-230-9221
EAST PENN MANUFACTURING COMPANY INC.	513 WHITESEL ROAD, ASHLAND, 23005	804-798-1771
WESTERN AUTO SUPPLY - HAMPTON	2300 MERCURY BLVD, HAMPTON, 23366	804-827-0177
WESTERN AUTO SUPPLY - NEWPORT NEWS	14346 WARWICK BLVD, NEWPORT NEWS, 23602	804-872-6628
WESTERN AUTO SUPPLY - VIRGINIA BEACH	2346 VIRGINIA BEACH BLVD, VIRGINIA BEACH, 23454	804-486-6900
WESTERN AUTO SUPPLY - NORFOLK	7525 TIDEWATER DRIVE, NORFOLK, 23505	804-587-8744
WESTERN AUTO SUPPLY - NORFOLK	6059 VIRGINIA BEACH BLVD, NORFOLK, 23502	804-466-7722
WESTERN AUTO SUPPLY - VIRGINIA BEACH	4830 VIRGINIA BEACH BLVD, VIRGINIA BEACH, 23462	804-497-1110
WESTERN AUTO SUPPLY - VIRGINIA BEACH	6541 AUBURN DRIVE, VIRGINIA BEACH, 23464	804-420-9164
WESTERN AUTO SUPPLY - PORTSMOUTH	2401 AIRLINE BLVD, PORTSMOUTH, 23701	804-397-2414
WESTERN AUTO SUPPLY - RICHMOND	5240 SEMINARY AVE, RICHMOND, 23227	804-264-2843
BATTERY MART OF WINCHESTER, INC.	2014A SOUTH LOUDOUN STREET, WINCHESTER, 22601	703-665-0065
BATTERIES, INC.	3007-A LINCOLN AVE, RICHMOND, 23228	804-264-8692
LEWIS PRINTING COMPANY	900 WEST LEIGH STREET, RICHMOND, 23261	804-644-3502
KMC FOODS INC.	RAILROAD AVE, CHERITON, 23316	804-331-2200
PEPSI-COLA BOTTLING GROUP - NEWPORT NEWS	17200 WARWICK BLVD, NEWPORT NEWS, 23603	804-887-2310
OCCOQUAN/COLCHESTER PUBLIC SERVICE	5901 DAVIS FORD ROAD, MANASSAS, 22111	703-368-1440

APPENDIX C - SARA TITLE III SECTION 302 FACILITIES

COMPANY	ADDRESS	TELEPHONE
OCOCOQUAN/COLCHESTER PUBLIC SERVICE	P.O. BOX 476, LORTON, 22079	703-339-7169
VA DEPT OF CONSERV & RECREATION-NATURAL TUNNEL	ROUTE 2, BOX 250, DUFFIELD, 24244	703-940-2818
HS NASH TIMBER CORPORATION	P.O. BOX 7, GLADYS, 24554	804-283-5409
PEPSI-COLA BOTTLERS OF VIRGINIA INC.	211 WASHINGTON AVENUE, MARION, 24354	703-783-7232

APPENDIX D

APPENDIX E

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
(1,1'-Biphenyl)-4,4'-diamine,3,3'-dichloro-	91941		X	X
(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethoxy-	119904		X	X
(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethyl-	119937		X	X
1,1-Dichloroethane	75343		X	
1,1-Dichloroethylene	75354		X	X
1,1-Dichloropropane	78999		X	
1,2,4-Trichlorobenzene	120821		X	X
1,2-Benzanthracene, 7,12-dimethyl-	57976		X	
1,2-Benzenedicarboxylic acid anhydride	85449		X	X
1,2-Benzenedicarboxylic acid, diethyl ester	84662		X	X
1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)] ester	117817		X	X
1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-	51434		X	
1,2-Benzisothiazolin-3-one, 1,1-dioxide, and salts	81072		X	X
1,2-Benzphenanthrene	218019		X	
1,2-Butylene oxide	106887			X
1,2-Dibromo-3-chloropropane	96128		X	X
1,2-Dichloroethane	107062		X	X
1,2-Dichloroethylene	540590		X	X
1,2-Dichloropropane	78875		X	X
1,2-Dihydro-3,6-pyridazinedione	123331		X	
1,2-Dimethylhydrazine	540738		X	
1,2-Diphenylhydrazine	122667		X	X
1,2-Ethanedithiolbiscarbamodithioic acid	111546		X	
1,2-Oxathiolane, 2,2-dioxide	1120714		X	X
1,2-trans-Dichloroethylene	156605		X	
1,2:7,8-Dibenzopyrene	189559		X	
1,3-Benzenediol	108463		X	
1,3-Dichloropropane	142289		X	
1,3-Dichloropropene	542756		X	X

Some chemical substances are common to more than one of the lists of chemicals discussed in this report, the SARA Title III Section 302 extremely hazardous substances (EHSs), the Comprehensive Environmental Resource and Conservation Liability Act (CERCLA) hazardous substances, and the SARA Title III Section 313 toxic chemicals. In other words, some substances display characteristics that warrant inclusion on more than one of the lists. As noted in the text, the EHS list is comprised of those substances that would be of immediate concern to the community if released. CERCLA hazardous substances, regulated under previous Superfund hazardous waste legislation, may represent an imminent hazard to the community if released. Section 313 toxic chemicals are of concern due to their long-term toxicity. One hundred thirty-four substances are on both the EHS and CERCLA lists; 57 are on both the EHS and Section 313 lists; and 217 are on both the CERCLA and Section 313 lists. 50 chemical substances appear on all three of the lists. Appendix E is a consolidated list.

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
1,4-Diethylene dioxide	123911		X	X
1,4-Naphthalenedione	130154		X	
1-Amino-2-methylanthraquinone	82280			X
1-Butanamine, N-butyl-N-nitroso-	924163		X	X
1-Butanol	71363		X	X
1-Methylbutadiene	504609		X	
1-Naphthylamine	134327		X	X
1-Propanamine	107108		X	
1-Propanol, 2,3-dibromo-, phosphate (3:1)	126727		X	X
2,2-Dichloropropionic acid	75990		X	
2,3,4-Trichlorophenol	15950660		X	
2,3,5-Trichlorophenol	933788		X	
2,3,6-Trichlorophenol	933755		X	
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746016		X	
2,3-Dichloropropene	78886		X	X
2,4,5-T	93765		X	
2,4,5-T amines	1319728		X	
2,4,5-T amines	2008460		X	
2,4,5-T amines	3813147		X	
2,4,5-T amines	6369966		X	
2,4,5-T amines	6369977		X	
2,4,5-T esters	93798		X	
2,4,5-T esters	1928478		X	
2,4,5-T esters	2545597		X	
2,4,5-T esters	25168154		X	
2,4,5-T esters	61792072		X	
2,4,5-T salts	13560991		X	
2,4,5-TP acid esters	32534955		X	
2,4-D Acid	94757		X	X
2,4-D Esters	94111		X	
2,4-D Esters	94791		X	
2,4-D Esters	94804		X	
2,4-D Esters	1320189		X	
2,4-D Esters	1928387		X	
2,4-D Esters	1928616		X	
2,4-D Esters	1929733		X	
2,4-D Esters	2971382		X	
2,4-D Esters	25168267		X	
2,4-D Esters	53467111		X	
2,4-Diaminoanisole	615054			X

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
2,4-Diaminoanisole sulfate	39156417			X
2,4-Dichlorophenol	120832		X	X
2,4-Dimethylphenol	105679		X	X
2,4-Dinitrophenol	51285		X	X
2,5-Dinitrophenol	329715		X	
2,5-Furandione	108316		X	X
2,6-Dichlorophenol	87650		X	
2,6-Dinitrophenol	573568		X	
2,6-Xylidine	87627			X
2-Aminoanthraquinone	117793			X
2-Butanone	78933		X	X
2-Butanone peroxide	1338234		X	
2-Butene, 1,4-dichloro-	764410		X	
2-Chloroacetophenone	532274			X
2-Chloroethyl vinyl ether	110758		X	
2-Chlorophenol	95578		X	
2-Ethoxyethanol	110805		X	X
2-Furancarboxaldehyde	98011		X	
2-Methoxyethanol	109864			X
2-Naphthylamine	91598		X	X
2-Nitropropane	79469		X	X
2-Phenylphenol	90437			X
2-Picoline	109068		X	
3,4,5-Trichlorophenol	609198		X	
3,4-Dinitrotoluene	610399		X	
3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide	23950585		X	
4,4'-Diaminodiphenyl ether	101804			X
4,4'-Isopropylidenediphenol	80057			X
4,4'-Methylene bis(N,N-dimethyl) benzenamine	101611			X
4,4'-Methylene dianiline	101779			X
4,4'-Thiodianiline	139651			X
4,6-Dinitro-o-cyclohexylphenol	131895		X	
4-Amino-1-methyl benzene	106490		X	
4-Aminoazobenzene	60093			X
4-Aminobiphenyl	92671			X
4-Chloro-m-cresol	59507		X	
4-Chlorophenyl phenyl ether	7005723		X	
4-Nitrobiphenyl	92933			X
5-Nitro-o-anisidine	99592			X
Acenaphthene	83329		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Acenaphthylene	208968		X	
Acetaldehyde	75070		X	X
Acetaldehyde, trichloro-	75876		X	
Acetamide	60355			X
Acetamide, N-(4-ethoxyphenyl)-	62442		X	
Acetamide, N-(aminothioxomethyl)-	591082		X	
Acetamide, N-9H-fluoren-2-yl-	53963		X	X
Acetic acid	64197		X	
Acetic acid, ethyl ester	141786		X	
Acetic acid, lead salt	301042		X	
Acetic acid, thallium(I) salt	563688		X	
Acetic anhydride	108247		X	
Acetone	67641		X	X
Acetone cyanohydrin	75865	X	X	
Acetone thiosemicarbazide	1752303	X		
Acetonitrile	75058		X	X
Acetophenone	98862		X	
Acetyl bromide	506967		X	
Acetyl chloride	75365		X	
Acrolein	107028	X	X	X
Acrylamide	79061	X	X	X
Acrylic acid	79107		X	X
Acrylonitrile	107131	X	X	X
Acrylyl chloride	814686	X		
Adipic acid	124049		X	
Adiponitrile	111693	X		
Alanine, 3-[p-bis(2-chloroethyl)amino]phenyl-,L-	148823		X	
Aldicarb	116063	X	X	
Aldrin	309002	X	X	X
Allyl alcohol	107186	X	X	X
Allyl chloride	107051		X	X
Allylamine	107119	X		
Aluminum (fume or dust)	7429905			X
Aluminum oxide (fibrous)	1344281			X
Aluminum phosphide	20859738	X	X	
Aluminum sulfate	10043013		X	
Aminopterin	54626	X		
Amiton	78535	X		
Amiton oxalate	3734972	X		
Amitrole	61825		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Ammonia	7664417	X	X	X
Ammonium acetate	631618		X	
Ammonium benzoate	1863634		X	
Ammonium bicarbonate	1066337		X	
Ammonium bichromate	7789095		X	
Ammonium bifluoride	1341497		X	
Ammonium bisulfite	10192300		X	
Ammonium carbamate	1111780		X	
Ammonium carbonate	506876		X	
Ammonium chloride	12125029		X	
Ammonium chromate	7788989		X	
Ammonium citrate, dibasic	3012655		X	
Ammonium fluoborate	13826830		X	
Ammonium fluoride	12125018		X	
Ammonium hydroxide	1336216		X	
Ammonium nitrate (solution)	6484522			X
Ammonium oxalate	5972736		X	
Ammonium oxalate	6009707		X	
Ammonium oxalate	14258492		X	
Ammonium picrate	131748		X	
Ammonium silicofluoride	16919190		X	
Ammonium sulfamate	7773060		X	
Ammonium sulfate (solution)	7783202			X
Ammonium sulfide	12135761		X	
Ammonium sulfite	10196040		X	
Ammonium tartrate	3164292		X	
Ammonium tartrate	14307438		X	
Ammonium thiocyanate	1762954		X	
Ammonium vanadate	7803556		X	
Amphetamine	300629	X		
Amyl acetate	628637		X	
Aniline	62533	X	X	X
Aniline, 2,4,6-trimethyl-	88051	X		
Anthracene	120127		X	X
Antimony	7440360		X	X
Antimony and Compounds	0		X	X
Antimony pentachloride	7647189		X	
Antimony pentafluoride	7783702	X		
Antimony potassium tartrate	28300745		X	
Antimony tribromide	7789619		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Antimony trichloride	10025919		X	
Antimony trifluoride	7783564		X	
Antimony trioxide	1309644		X	
Antimycin A	1397940	X		
Antu	86884	X	X	
Aroclor 1016	12674112		X	
Aroclor 1221	11104282		X	
Aroclor 1232	11141165		X	
Aroclor 1242	53469219		X	
Aroclor 1248	12672296		X	
Aroclor 1254	11097691		X	
Aroclor 1260	11096825		X	
Arsenic	7440382		X	X
Arsenic acid	7778394		X	
Arsenic acid	1327522		X	
Arsenic and Compounds	0		X	X
Arsenic disulfide	1303328		X	
Arsenic pentoxide	1303282	X	X	
Arsenic trisulfide	1303339		X	
Arsenous oxide	1327533	X	X	
Arsenous trichloride	7784341	X	X	
Arsine	7784421	X		
Arsine, diethyl-	692422		X	
Asbestos	1332214		X	X
Azaserine	115026		X	
Azinphos-ethyl	2642719	X		
Azinphos-methyl	86500	X	X	
Barium Compounds	0			X
Barium and compounds	7440393			X
Barium cyanide	542621		X	
Benz[a]anthracene	56553		X	
Benz[c]acridine	225514		X	
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	56495		X	
Benzal chloride	98873	X	X	X
Benzamide	55210			X
Benzenamine, 2-methyl-, hydrochloride	636215		X	X
Benzenamine, 2-methyl-5-nitro-	99558		X	
Benzenamine, 3-(trifluoromethyl)-	98168	X		
Benzenamine, 4,4'-methylenebis(2-chloro-	101144		X	X
Benzenamine, 4-chloro-	106478		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Benzenamine, 4-chloro-2-methyl-,hydrochloride	3165933		X	
Benzenamine, 4-nitro-	100016		X	
Benzenamine, N,N-dimethyl-4-phenylazo-	60117		X	X
Benzene	71432		X	X
Benzene, 1,2,4,5-tetrachloro-	95943		X	
Benzene, 1,2-dichloro-	95501		X	X
Benzene, 1,2-methylenedioxy-4-allyl-	94597		X	X
Benzene, 1,2-methylenedioxy-4-propenyl-	120581		X	X
Benzene, 1,2-methylenedioxy-4-propyl-	94586		X	
Benzene, 1,3,5-trinitro-	99354		X	
Benzene, 1,3-dichloro-	541731		X	X
Benzene, 1,4-dichloro-	106467		X	X
Benzene, 1-(chloromethyl)-4-nitro-	100141	X		
Benzene, 1-bromo-4-phenoxy-	101553		X	
Benzene, 1-methyl-2,4-dinitro-	121142		X	X
Benzene, 1-methyl-2,6-dinitro-	606202		X	X
Benzene, 1-methylethyl-	98828		X	X
Benzene, 2,4-diisocyanatomethyl-	26471625		X	X
Benzene, chloro-	108907		X	X
Benzene, dimethyl-	1330207		X	X
Benzene, hexachloro	118741		X	X
Benzene, hexahydro-	110827		X	X
Benzene, m-dimethyl-	108383		X	X
Benzene, methyl-	108883		X	X
Benzene, o-dimethyl-	95476		X	X
Benzene, p-dimethyl-	106423		X	X
Benzene, pentachloro-	608935		X	
Benzene, pentachloronitro-	82688		X	X
Benzene, arsonic acid	98055	X		
Benzenesulfonyl chloride	98099		X	
Benzidine	92875		X	X
Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-	3615212	X		
Benzo[a]pyrene	50328		X	
Benzo[ghi]perylene	191242		X	
Benzo[j,k]fluorene	206440		X	
Benzo[k]fluoranthene	207089		X	
Benzoic acid	65850		X	
Benzol [b]fluoranthene	205992		X	
Benzonitrile	100470		X	
Benzotrichloride	98077	X	X	X

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Benzoyl chloride	98884		X	X
Benzoyl peroxide	94360			X
Benzyl chloride	100447	X	X	X
Benzyl cyanide	140294	X		
Beryllium	7440417		X	X
Beryllium and Compounds	0		X	X
Beryllium chloride	7787475		X	
Beryllium fluoride	7787497		X	
Beryllium nitrate	7787555		X	
Beryllium nitrate	13597994		X	
Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-(((methyl	15271417	X		
Biphenyl	92524			X
Bis(2-chloroethoxy) methane	111911		X	
Bis(2-chloroisopropyl) ether	108601		X	X
Bis(2-ethylhexyl) adipate	103231			X
Bis(chloromethyl) ketone	534076	X		
Bis(dimethylthiocarbamoyl)disulfide	137268		X	
Bitoscanate	4044659	X		
Boron trichloride	10294345	X		
Boron trifluoride	7637072	X		
Boron trifluoride compound with methyl ether (1:1)	353424	X		
Bromadiolone	28772567	X		
Bromine	7726956	X		
Bromoacetone	598312		X	
Bromoform	75252		X	X
Brucine	357573		X	
Butadiene	106990			X
Butanoic acid, 4-[bis(2-chloroethyl)amino] benzene-	305033		X	
Butyl acetate	123864		X	
Butyl acrylate	141322			X
Butyl benzyl phthalate	85687		X	X
Butylamine	109739		X	
Butyraldehyde	123728			X
Butyric acid	107926		X	
C.I. Acid Green 3	4680788			X
C.I. Basic Green 4	569642			X
C.I. Basic Red 1	989388			X
C.I. Direct Black 38	1937377			X
C.I. Direct Blue 6	2602462			X
C.I. Direct Brown 95	16071866			X

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
C.I. Disperse Yellow 3	2832408			X
C.I. Food Red 15	81889			X
C.I. Food Red 5	3761533			X
C.I. Solvent Orange 7	3118976			X
C.I. Solvent Yellow 14	842079			X
C.I. Solvent Yellow 3	97563			X
C.I. Solvent Yellow 34 (Auramine)	492808		X	X
C.I. Vat Yellow 4	128665			X
CFC-11	75694		X	X
CFC-114	76142			X
CFC-115	76153			X
CFC-12	75718		X	X
Cacodylic acid	75605		X	
Cadmium	7440439		X	X
Cadmium acetate	543908		X	
Cadmium and Compounds	0		X	X
Cadmium bromide	7789426		X	
Cadmium chloride	10108642		X	
Cadmium oxide	1306190	X		
Cadmium stearate	2223930	X		
Calcium arsenate	7778441	X	X	
Calcium arsenite	52740166		X	
Calcium carbide	75207		X	
Calcium chromate	13765190		X	
Calcium cyanamide	156627			X
Calcium cyanide	592018		X	
Calcium dodecylbenzene sulfonate	26264062		X	
Calcium hypochlorite	7778543		X	
Cantharidin	56257	X		
Capton	133062		X	X
Carbachol chloride	51832	X		
Carbamic acid, ethyl ester	51796		X	X
Carbamic acid, methyl-, O-((2,4-dimethyl-1,3-dithiolan-2-yl	26419738	X		
Carbamic acid, methylnitroso-,ethyl ester	615532		X	
Carbamide, N-ethyl-N-nitroso-	759739		X	X
Carbamide, N-methyl-N-nitroso-	684935		X	X
Carbamide, thio-	62566		X	X
Carbamimidoseleonic acid	630104		X	
Carbamoyl chloride, dimethyl-	79447		X	X
Carbaryl	63252		X	X

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	ENS	CERCLA	313
Carbofuran	1563662	X	X	
Carbon disulfide	75150	X	X	X
Carbon oxyfluoride	353504		X	
Carbon tetrachloride	56235		X	X
Carbonyl sulfide	463581			X
Carbophenothion	786196	X		
Catechol	120809			X
Chloramben	133904			X
Chlordane	57749	X	X	X
Chlordane (Technical Mixture and Metabolites)	0		X	
Chlorfenvinfos	470906	X		
Chlorinated Benzenes	0		X	
Chlorinated Ethanes	0		X	
Chlorinated Naphthalene	0		X	
Chlorinated Phenols	0		X	X
Chlorinated fluorocarbon (Freon 113)	76131			X
Chlorine	7782505	X	X	X
Chlorine cyanide	506774		X	
Chlormephos	24934916	X		
Chlormequat chloride	999815	X		
Chlornaphazine	494031		X	
Chloroacetaldehyde	107200		X	
Chloroacetic acid	79118	X		X
Chloroalkyl Ethers	0		X	
Chlorodibromomethane	124481		X	
Chloroethane	75003		X	X
Chloroethanol	107073	X		
Chloroethyl chloroformate	627112	X		
Chloroform	67663	X	X	X
Chloromethyl ether	542881	X	X	X
Chloromethyl methyl ether	107302	X	X	X
Chlorophacinone	3691358	X		
Chloroprene	126998			X
Chlorosulfonic acid	7790945		X	
Chlorothalonil	1897456			X
Chloroxuron	1982474	X		
Chlorpyrifos	2921882		X	
Chlorthiophos	21923239	X		
Chromic acetate	1066304		X	
Chromic acid	7738945		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Chromic acid	11115745		X	
Chromic chloride	10025737	X		
Chromic sulfate	10101538		X	
Chromium	7440473		X	X
Chromium and Compounds	0		X	X
Chromous chloride	10049055		X	
Cobalt	7440484			X
Cobalt Compounds	0			X
Cobalt carbonyl	10210681	X		
Cobalt, ((2,2'-(1,2-ethanediylbis (nitrilomethylidene))bis(6	62207765	X		
Cobaltous bromide	7789437		X	
Cobaltous formate	544183		X	
Cobaltous sulfamate	14017415		X	
Coke Oven Emissions	0		X	
Colchicine	64868	X		
Copper	7440508		X	X
Copper and Compounds	0		X	X
Copper cyanide	544923		X	
Coumaphos	56724	X	X	
Coumatetralyl	5836293	X		
Creosote	8001589		X	X
Cresol(s)	1319773		X	X
Crimidine	535897	X		
Crotonaldehyde	4170303	X	X	
Crotonaldehyde, (E)-	123739	X	X	
Cupferron	135206			X
Cupric acetate	142712		X	
Cupric chloride	7447394		X	
Cupric nitrate	3251238		X	
Cupric oxalate	5893663		X	
Cupric sulfate	7758987		X	
Cupric sulfate ammoniated	10380297		X	
Cupric tartrate	815827		X	
Cyanide and Compounds	0		X	X
Cyanides (soluble cyanide salts)	57125		X	
Cyanogen	460195		X	
Cyanogen bromide	506683	X	X	
Cyanogen iodide	506785	X		
Cyanophos	2636262	X		
Cyanuric fluoride	675149	X		

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Cyclohexanone	108941		X	
Cycloheximide	66819	X		
Cyclohexylamine	108918	X		
Cyclophosphamide	50180		X	
D-Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	18883664		X	
DDD	72548		X	
DDE	72559		X	
DDT	50293		X	
DDT and Metabolites	0		X	
Daunomycin	20830813		X	
Decaborane(14)	17702419	X		
Decabromodiphenyl oxide	1163195			X
Demeton	8065483	X		
Demeton-S-methyl	919868	X		
Di-n-propylnitrosamine	621647		X	X
Dialifos	10311849	X		
Diallate	2303164		X	X
Diaminotoluene	95807		X	X
Diaminotoluene	496720		X	
Diaminotoluene	823405		X	
Diaminotoluene	25376458		X	X
Diazinon	333415		X	
Diazomethane	334883			X
Dibenz[a,h]anthracene	53703		X	
Dibenzofuran	132649			X
Diborane	19287457	X		
Dibutyl phthalate	84742		X	X
Dicamba	1918009		X	
Dichlobenil	1194656		X	
Dichlone	117806		X	
Dichlorobenzene (mixed)	25321226		X	X
Dichlorobenzidine	0		X	
Dichlorobromomethane	75274		X	X
Dichloroethyl ether	111444	X	X	X
Dichloromethylphenylsilane	149746	X		
Dichloropropane	26638197		X	
Dichloropropane - Dichloropropene (mixture)	8003198		X	
Dichlorvos	62737	X	X	X
Dicofol*	115322		X	X
Dicrotophos	141662	X		

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Dieldrin	60571		X	
Diepoxybutane	1464535	X	X	X
Diethanolamine	111422			X
Diethyl chlorophosphate	814493	X		
Diethyl sulfate	64675			X
Diethyl-p-nitrophenyl phosphate	311455		X	
Diethylamine	109897		X	X
Diethylcarbamide citrate	1642542	X		
Diethylstilbestrol	56531		X	
Digitoxin	71636	X		
Diglycidyl ether	2238075	X		
Digoxin	20830755	X		
Dimefox	115264	X		
Dimethoate	60515	X	X	
Dimethyl phosphorochloridothioate	2524030	X		
Dimethyl phthalate	131113		X	X
Dimethyl sulfate	77781	X	X	X
Dimethyl-p-phenylenediamine	99989	X		
Dimethylamine	124403		X	
Dimethyldichlorosilane	75785	X		
Dimethylhydrazine	57147	X	X	X
Dimetilan	644644	X		
Dinitrobenzene (mixed)	25154545		X	
Dinitrocresol	534521	X	X	X
Dinitrophenol	25550587		X	
Dinitrotoluene	25321146		X	X
Dinoseb	88857	X	X	
Dinoterb	1420071	X		
Diocetyl phthalate	117840		X	X
Dioxathion	78342	X		
Diphacinone	82666	X		
Diphenylhydrazine	0		X	
Diphosphoramidate, octamethyl-	152169	X	X	
Dipropylamine	142847		X	
Diquat	85007		X	
Diquat	2764729		X	
Disulfoton	298044	X	X	
Dithiazanine iodide	514738	X		
Dithiobiuret	541537	X	X	
Diuron	330541		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Dodecylbenzenesulfonic acid	27176870		X	
EPN	2104645	X		
Emetine, dihydrochloride	316427	X		
Endosulfan	115297	X	X	
Endosulfan and Metabolites	0		X	
Endosulfan sulfate	1031078		X	
Endothall	145733		X	
Endothion	2778043	X		
Endrin	72208	X	X	
Endrin aldehyde	7421934		X	
Endrin and Metabolites	0		X	
Epichlorohydrin	106898	X	X	X
Ergocalciferol	50146	X		
Ergotamine tartrate	379793	X		
Ethanamine, N-ethyl-N-nitroso-	55185		X	X
Ethane, 1,1'-oxybis-	60297		X	
Ethane, 1,1,1,2,2,2-hexachloro-	67721		X	X
Ethane, 1,1,1,2-tetrachloro-	630206		X	
Ethane, 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)-	72435		X	X
Ethane, 1,1,2,2-tetrachloro-	79345		X	X
Ethane, 1,1,2-trichloro-	79005		X	X
Ethane, 1,2-dibromo-	106934		X	X
Ethanesulfonyl chloride, 2-chloro-	1622328	X		
Ethanethioamide	62555		X	X
Ethanol, 1,2-dichloro-, acetate	10140871	X		
Ethanol, 2,2'-(nitrosoimino)bis-	1116547		X	
Ethenamine, N-methyl-N-nitroso-	4549400		X	X
Ethene, 1,1,2,2-tetrachloro-	127184		X	X
Ethion	563122	X	X	
Ethoprophos	13194484	X		
Ethyl 4,4'-dichlorobenzilate	510156		X	X
Ethyl acrylate	140885		X	X
Ethyl chloroformate	541413			X
Ethyl methacrylate	97632		X	
Ethyl methanesulfonate	62500		X	
Ethyl thiocyanate	542905	X		
Ethylbenzene	100414		X	X
Ethylbis(2-chloroethyl)amine	538078	X		
Ethylene	74851			X
Ethylene fluorohydrin	371620	X		

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Ethylene glycol	107211			X
Ethylene oxide	75218	X	X	X
Ethylenediamine	107153	X	X	
Ethylenediamine tetraacetic acid (EDTA)	60004		X	
Ethyleneimine	151564	X	X	X
Ethylenethiourea	96457		X	X
Famphur	52857		X	
Fenamiphos	22224926	X		
Fenitrothion	122145	X		
Fensulfothion	115902	X		
Ferric ammonium citrate	1185575		X	
Ferric ammonium oxalate	2944674		X	
Ferric ammonium oxalate	55488874		X	
Ferric chloride	7705080		X	
Ferric fluoride	7783508		X	
Ferric nitrate	10421484		X	
Ferric sulfate	10028225		X	
Ferrous ammonium sulfate	10045893		X	
Ferrous chloride	7758943		X	
Ferrous sulfate	7720787		X	
Ferrous sulfate	7782630		X	
Fluometuron	4301502	X		
Fluorene	2164172			X
Fluorene	86737		X	
Fluorine	7782414	X	X	
Fluoroacetamide	640197	X	X	
Fluoroacetic acid	144490	X		
Fluoroacetyl chloride	359068	X		
Fluorouracil	51218	X		
Fonofos	944229	X		
Formaldehyde	50000	X	X	X
Formaldehyde cyanohydrin	107164	X		
Formetanate hydrochloride	23422539	X		
Formic acid	64186		X	
Formothion	2540821	X		
Formparanate	17702577	X		
Fosthietan	21548323	X		
Fuberidazole	3878191	X		
Fulminic acid, mercury(II)salt	628864		X	
Fumaric acid	110178		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Furan	110009	X	X	
Furan, tetrahyd-o-	109999		X	
Gallium trichloride	13450903	X		
Glycidylaldehyde	765344		X	
Glycol Ethers	0			X
Guanidine, N-nitroso-N-methyl-N'-nitro-	70257		X	
Haloethers	0		X	
Halomethanes	0		X	
Halon 1211	353593			X
Halon 1301	75638			X
Halon 2402	124732			X
Heptachlor	76448		X	X
Heptachlor and Metabolites	0		X	
Heptachlor epoxide	1024573		X	
Hexachloro-1,3-butadiene	87683		X	X
Hexachlorocyclopentadiene	77474	X	X	X
Hexachloronaphthalene	1335871			X
Hexachlorophene	70304		X	
Hexachloropropene	1888717		X	
Hexaethyl tetraphosphate	757584		X	
Hexamethylenediamine, N,N'-dibutyl-	4835114	X		
Hexamethylphosphoramide	680319			X
Hydrazine	302012	X	X	X
Hydrazine sulfate	10034932			X
Hydrochloric acid (Hydrogen chloride (gas only))***	7647010	X	X	X
Hydrocyanic acid	74908	X	X	X
Hydrogen fluoride	7664393	X	X	X
Hydrogen peroxide (Conc >52%)	7722841	X		
Hydrogen selenide	7783075	X		
Hydrogen sulfide	7783064	X	X	
Hydroquinone	123319	X		X
Indeno(1,2,3-cd)pyrene	193395		X	
Iron, pentacarbonyl-	13463406	X		
Isobenzan	297789	X		
Isobutyl alcohol	78831		X	
Isobutyraldehyde	78842			X
Isobutyronitrile	78820	X		
Isocyanic acid, 3,4-dichlorophenyl ester	102363	X		
Isodrin	465736	X	X	
Isofluorophate	55914	X	X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Isophorone	78591		X	
Isophorone diisocyanate	4098719	X		
Isoprene	78795		X	
Isopropanolamine dodecylbenzene sulfonate	42504461		X	
Isopropyl alcohol (mfg.-strong acid processes)	67630			X
Isopropyl chloroformate	108236	X		
Isopropylmethylpyrazolyl dimethylcarbamate	119380	X		
Kepone	143500		X	
Lactonitrile	78977	X		
Lasiocarpine	303344		X	
Lead	7439921		X	X
Lead and Compounds	0		X	X
Lead arsenate	7645252		X	
Lead arsenate	7784409		X	
Lead arsenate	10102484		X	
Lead chloride	7758954		X	
Lead fluoborate	13814965		X	
Lead fluoride	7783462		X	
Lead iodide	10101630		X	
Lead nitrate	10099748		X	
Lead phosphate	7446277		X	
Lead stearate	1072351		X	
Lead stearate	7428480		X	
Lead stearate	52652592		X	
Lead stearate	56189094		X	
Lead subacetate	1335326		X	
Lead sulfate	7446142		X	
Lead sulfate	15739807		X	
Lead sulfide	1314870		X	
Lead thiocyanate	592870		X	
Leptophos	21609905	X		
Lewisite	541253	X		
Lindane	58899	X	X	X
Lithium chromate	14307358		X	
Lithium hydride	7580678	X		
Malathion	121755		X	
Maleic acid	110167		X	
Malononitrile	109773	X	X	
Maneb	12427382			X
Manganese Compounds	0			X

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Manganese and compounds	7439965			X
Manganese, tricarbonyl methylcyclopentadienyl	12108133	X		
Mechlorethamine	51752	X		X
Mepfosfolan	950107	X		
Mercuric acetate	1600277	X		
Mercuric chloride	7487947	X		
Mercuric cyanide	592041		X	
Mercuric nitrate	10045940		X	
Mercuric oxide	21908532	X		
Mercuric sulfate	7783359		X	
Mercuric thiocyanate	592858		X	
Mercurous nitrate	7782867		X	
Mercurous nitrate	10415755		X	
Mercury	7439976		X	X
Mercury and Compounds	0		X	X
Methacrolein diacetate	10476956	X		
Methacrylic anhydride	760930	X		
Methacrylonitrile	126987	X	X	
Methacryloyl chloride	920467	X		
Methacryloyloxyethyl isocyanate	30674807	X		
Methamidophos	10265926	X		
Methane, chloro	74873		X	X
Methane, dibromo-	74953		X	X
Methane, dichloro-	75092		X	X
Methane, iodo-	74884		X	X
Methanesulfonyl fluoride	558258	X		
Methanol	67561		X	X
Methapyrilene	91805		X	
Methidathion	950378	X		
Methiocarb	2032657	X	X	
Methomyl	16752775	X	X	
Methoxyethylmercuric acetate	151382	X		
Methyl 2-chloroacrylate	80637	X		
Methyl acrylate	96333			X
Methyl bromide	74839	X	X	X
Methyl chloroform	71556		X	X
Methyl chloroformate (Methylchlorocarbonate)	79221	X	X	
Methyl isobutyl ketone	108101		X	X
Methyl isocyanate	624839	X	X	X
Methyl isothiocyanate	556616	X		

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Methyl mercaptan	74931	X	X	
Methyl methacrylate	80626		X	X
Methyl phenkapton	3735237	X		
Methyl phosphonic dichloride	676971	X		
Methyl tert-butyl ether	1634044			X
Methyl thiocyanate	556649	X		
Methyl vinyl ketone	78944	X		
Methylene bis(phenylisocyanate) (MBI)	101688			X
Methylhydrazine	60344	X	X	X
Methylmercuric dicyanamide	502396	X		
Methylthiouracil	56042		X	
Methyltrichlorosilane	75796	X		
Metolcarb	1129415	X		
Mevinphos	7786347	X	X	
Mexacarbate	315184	X	X	
Michler's ketone	90948			X
Mitomycin C	50077	X	X	
Molybdenum trioxide	1313275			X
Monocrotophos	6923224	X		
Monoethylamine	75047		X	
Monomethylamine	74895		X	
Muscimol	2763964	X	X	
Mustard gas	505602	X		X
N,N'-Diethylhydrazine	1615801		X	
N,N-Dimethylaniline	121697			X
N-Nitrosodiphenylamine	86306		X	X
N-Nitrosomorpholine	59892			X
N-Nitrosornicotine	16543558			X
N-Nitrosopiperidine	100754		X	X
N-Nitrosopyrrolidine	930552		X	
Naled	300765		X	
Naphthalene	91203		X	X
Naphthenic acid	1338245		X	
Nickel	7440020		X	X
Nickel ammonium sulfate	15699180		X	
Nickel and Compounds	0		X	X
Nickel carbonyl	13463393	X	X	
Nickel chloride	7718549		X	
Nickel chloride	37211055		X	
Nickel cyanide	557197		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Nickel hydroxide	12054487		X	
Nickel nitrate	14216752		X	
Nickel sulfate	7786814		X	
Nicotine	54115	X	X	
Nicotine sulfate	65305	X		
Nitric acid	7697372	X	X	X
Nitric oxide	10102439	X	X	
Nitriiotriacetic acid	139139			X
Nitrobenzene	98953	X	X	X
Nitrocyclohexane	1122607	X		
Nitrofen	1836755			X
Nitrogen dioxide	10102440	X	X	
Nitrogen dioxide	10544726		X	
Nitroglycerine	55630		X	X
Nitrophenol (mixed)	25154556		X	
Nitrophenols	0		X	
Nitrosamines	0		X	
Nitrosodimethylamine	62759	X	X	X
Nitrotoluene	1321126		X	
Norbormide	991424	X		
O,O-Diethyl S-methyl dithiophosphate	3288582		X	
Octachloronaphthalene	2234131			X
Organorhodium Complex	0	X		
Osmium tetroxide	20816120		X	X
Ouabain	630604	X		
Oxamyl	23135220	X		
Oxetane, 3,3-bis(chloromethyl)-	78717	X		
Oxydisulfoton	2497076	X		
Ozone	10028156	X		
Paraformaldehyde	30525894		X	
Paraldehyde	123637		X	
Paraquat	1910425	X		
Paraquat methosulfate	2074502	X		
Parathion	56382	X	X	X
Parathion-methyl	298000	X	X	
Paris green (Cupric acetoarsenite)	12002038	X	X	
Pentaborane	19624227	X		
Pentachloroethane	76017		X	
Pentachlorophenol	87865		X	X
Pentadecylamine	2570265	X		

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Peracetic acid	79210	X		X
Perchloromethylmercaptan	594423	X	X	
Phenanthrene	85018		X	
Phenol	108952	X	X	X
Phenol, 2,2'-thiobis[4-chloro-6-methyl-	4418660	X		
Phenol, 2,3,4,6-tetrachloro-	58902		X	
Phenol, 2,4,5-trichloro-	95954		X	X
Phenol, 2,4,6-trichloro	88062		X	X
Phenol, 3-(1-methylethyl)-, methylcarbamate	64006	X		
Phenoxarsine, 10,10'-oxydi-	58366	X		
Phenyl dichloroarsine	696286	X	X	
Phenylhydrazine hydrochloride	59881	X		
Phenylmercury acetate	62384	X	X	
Phenylsilatrane	2097190	X		
Phenylthiourea	103855	X	X	
Phorate	298022	X	X	
Phosacetim	4104147	X		
Phosfolan	947024	X		
Phosgene	75445	X	X	X
Phosmet	732116	X		
Phosphamidon	13171216	X		
Phosphine	7803512	X	X	
Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl es	2665307	X		
Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phen	2703131	X		
Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino	50782699	X		
Phosphoric acid	7664382		X	X
Phosphoric acid, dimethyl 4-(methylthio) phenyl ester	3254635	X		
Phosphorothioic acid, O,O-dimethyl-S-(2-methylthio)ethyl est	2587908	X		
Phosphorus	7723140	X	X	X
Phosphorus oxychloride	10025873	X	X	
Phosphorus pentachloride	10026138	X		
Phosphorus pentasulfide	1314803		X	
Phosphorus pentoxide	1314563	X		
Phosphorus trichloride	7719122	X	X	
Phthalate Esters	0		X	
Physostigmine	57476	X		
Physostigmine, salicylate (1:1)	57647	X		
Picric acid	88891			X
Picrotoxin	124878	X		
Piperidine	110894	X		

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Pirimifos-ethyl	23505411	X		
Polybrominated Biphenyls (PBBs)	0			X
Polychlorinated biphenyls (PCBs)	1336363		X	X
Polynuclear Aromatic Hydrocarbons	0		X	
Potassium arsenate	7784410		X	
Potassium arsenite	10124502	X	X	
Potassium bichromate	7778509		X	
Potassium chromate	7789006		X	
Potassium cyanide	151508	X	X	
Potassium hydroxide	1310583		X	
Potassium permanganate	7722647		X	
Potassium silver cyanide	506616	X	X	
Promecarb	2631370	X		
Propargite	2312358		X	
Propargyl alcohol	107197		X	
Propargyl bromide	106967	X		
Propiolactone, beta-	57578	X		X
Propionaldehyde	123386			X
Propionic acid	79094		X	
Propionic acid, 2-(2,4,5-trichlorophenoxy)-	93721		X	
Propionic anhydride	123626		X	
Propionitrile	107120	X	X	
Propionitrile, 3-chloro-	542767	X	X	
Propiophenone, 4'-amino-	70699	X		
Propoxur	114261			X
Propyl chloroformate	109615	X		
Propylene (Propene)	115071			X
Propylene oxide	75569	X	X	X
Propyleneimine	75558	X	X	X
Prothoate	2275185	X		
Pseudocumene	95636			X
Pyrene	129000	X	X	
Pyrethrins	121211		X	
Pyrethrins	121299		X	
Pyrethrins	8003347		X	
Pyridine	110861		X	X
Pyridine, 2-methyl-5-vinyl-	140761	X		
Pyridine, 4-amino-	504245	X	X	
Pyridine, 4-nitro-, 1-oxide	1124330	X		
Pyriminil	53558251	X		

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Quinoline	91225		X	X
Radionuclides	0		X	
Reserpine	50555		X	
Salcomine	14167181	X		
Sarin	107448	X		
Selenium	7782492		X	X
Selenium and Compounds	0		X	X
Selenium dioxide	7446084		X	
Selenium disulfide	7488564		X	
Selenium oxychloride	7791233	X		
Selenous acid	7783008	X	X	
Semicarbazide hydrochloride	563417	X		
Silane, (4-aminobutyl)diethoxymethyl-	3037727	X		
Silver	7440224		X	X
Silver and Compounds	0		X	X
Silver cyanide	506649		X	
Silver nitrate	7761888		X	
Sodium	7440235		X	
Sodium arsenate	7631892	X	X	
Sodium arsenite	7784465	X	X	
Sodium azide (Na(N ₃))	26628228	X	X	
Sodium bichromate	10588019		X	
Sodium bifluoride	1333831		X	
Sodium bisulfite	7631905		X	
Sodium cacodylate	124652	X		
Sodium chromate	7775113		X	
Sodium cyanide (Na(CN))	143339	X	X	
Sodium dodecylbenzene sulfonate	25155300		X	
Sodium fluoride	7681494		X	
Sodium fluoroacetate	62748	X	X	
Sodium hydrosulfide	16721805		X	
Sodium hydroxide	1310732		X	
Sodium hypochlorite	7681529		X	
Sodium hypochlorite	10022705		X	
Sodium methylate	124414		X	
Sodium nitrite	7632000		X	
Sodium phosphate, dibasic	7558794		X	
Sodium phosphate, dibasic	10039324		X	
Sodium phosphate, dibasic	10140655		X	
Sodium phosphate, tribasic	7601549		X	

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CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Sodium phosphate, tribasic	7758294		X	
Sodium phosphate, tribasic	7785844		X	
Sodium phosphate, tribasic	10101890		X	
Sodium phosphate, tribasic	10124568		X	
Sodium phosphate, tribasic	10361894		X	
Sodium selenate	13410010	X		
Sodium selenite	7782823		X	
Sodium selenite	10102188	X	X	
Sodium tellurite	10102202	X		
Stannane, acetoxytriphenyl-	900958	X		
Strontium chromate	7789062		X	
Strychnine	57249	X	X	
Strychnine, sulfate	60413	X		
Styrene	100425		X	X
Styrene oxide	96093			X
Sulfotep	3689245	X	X	
Sulfoxide, 3-chloropropyl octyl	3569571	X		
Sulfur dioxide	7446095	X		
Sulfur monochloride	12771083		X	
Sulfur tetrafluoride	7783600	X		
Sulfur trioxide	7446119	X		
Sulfuric acid	7664939	X	X	X
Sulfuric acid, Fuming	8014957		X	
Tabun	77816	X		
Tellurium	13494809	X		
Tellurium hexafluoride	7783804	X		
Tepp	107493	X	X	
Terbufos	13071799	X		
Terephthalic acid	100210			X
Tetrachlorvinphos	961115			X
Tetraethyllead	78002	X	X	
Tetraethyltin	597648	X		
Tetramethyllead	75741	X		
Tetranitromethane	509148	X	X	
Thallic oxide	1314325		X	
Thallium	7440280		X	X
Thallium and Compounds	0		X	X
Thallium sulfate	10031591	X	X	
Thallium(I) nitrate	10102451		X	
Thallium(I) selenide	12039520		X	

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Thalious carbonate	6533739	X	X	
Thalious chloride	7791120	X	X	
Thalious malonate	2757188	X		
Thalious sulfate	7446186	X	X	
Thiocarbazide	2231574	X		
Thiofanox	39196184	X	X	
Thionazin	297972	X	X	
Thiophenol	108985	X	X	
Thiosemicarbazide	79196	X	X	
Thiourea, (2-chlorophenyl)-	5344821	X	X	
Thiourea, (2-methylphenyl)-	614788	X		
Thorium dioxide	1314201			X
Titanium tetrachloride	7550450	X		X
Toluene 2,4-diisocyanate	584849	X	X	X
Toluene 2,6-diisocyanate	91087	X	X	X
Toxaphene (Camphechlor)	8001352	X	X	X
Trans-1,4-dichlorobutene	110576	X		
Triamiphos	1031476	X		
Triaziquone	68768			X
Triazofos	24017478	X		
Trichloro(chloromethyl)silane	1558254	X		
Trichloro(dichlorophenyl)silane	27137855	X		
Trichloroacetyl chloride	76028	X		
Trichloroethylene	79016		X	X
Trichloroethylsilane	115219	X		
Trichloronate	327980	X		
Trichlorophenol	25167822		X	
Trichlorophenylsilane	98135	X		
Trichlorophon	52686		X	X
Triethanolamine dodecylbenzene sulfonate	27323417		X	
Triethoxysilane	998301	X		
Triethylamine	121448		X	
Trifluralin	1582098			X
Trimethylamine	75503		X	
Trimethylchlorosilane	75774	X		
Trimethylolpropane phosphite	824113	X		
Trimethyltin chloride	1066451	X		
Triphenyltin chloride	639587	X		
Tris(2-chloroethyl)amine	555771	X		
Trypan blue	72571		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
Uracil, 5-(bis(2-chloroethyl)amino)-	66751		X	
Uranyl acetate	541093		X	
Uranyl nitrate	10102064		X	
Uranyl nitrate	36478769		X	
Valinomycin	2001958	X		
Vanadium (fume or dust)	7440622			X
Vanadium pentoxide	1314621	X	X	
Vanadyl sulfate	27774136		X	
Vinyl acetate monomer	108054	X	X	X
Vinyl bromide	593602			X
Vinyl chloride (monomer)	75014		X	X
Warfarin	81812	X	X	
Warfarin sodium	129066	X		
Xylenol	1300716		X	
Xylylene dichloride	28347139	X		
Zinc	7440666		X	X
Zinc acetate	557346		X	
Zinc ammonium chloride	14639975		X	
Zinc ammonium chloride	14639986		X	
Zinc ammonium chloride	52628258		X	
Zinc and Compounds	0		X	X
Zinc borate	1332076		X	
Zinc bromide	7699458		X	
Zinc carbonate	3486359		X	
Zinc chloride	7646857		X	
Zinc cyanide	557211		X	
Zinc fluoride	7783495		X	
Zinc formate	557415		X	
Zinc hydrosulfite	7779864		X	
Zinc nitrate	7779886		X	
Zinc phenolsulfonate	127822		X	
Zinc phosphide	1314847	X	X	
Zinc silicofluoride	16871719		X	
Zinc sulfate	7733020		X	
Zinc, dichloro(4,4-dimethyl-5((((methylamino) carbonyl)oxy)i	58270089	X		
Zineb	12122677			X
Zirconium nitrate	13746899		X	
Zirconium potassium fluoride	16923958		X	
Zirconium sulfate	14644612		X	
Zirconium tetrachloride	10026116		X	

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
alpha,alpha-Dimethylbenzylhydroperoxide	80159		X	X
alpha,alpha-Dimethylphenethylamine	122098		X	
alpha-BHC	319846		X	
alpha-Endosulfan	959988		X	
beta-BHC	319857		X	
beta-Chloronaphthalene	91587		X	
beta-Endosulfan	33213659		X	
delta-BHC	319868		X	
iso-Amyl acetate	123922		X	
iso-Butyl acetate	110190		X	
iso-Butylamine	78819		X	
iso-Butyric acid	79312		X	
m-Cresol	108394		X	X
m-Dinitrobenzene	99650		X	X
m-Nitrophenol	554847		X	
m-Nitrotoluene	99081		X	
o-Anisidine	90040			X
o-Anisidine hydrochloride	134292			X
o-Cresol	95487	X	X	X
o-Dinitrobenzene	528290		X	X
o-Nitrophenol	88755		X	X
o-Nitrotoluene	88722		X	
o-Toluidine	95534		X	X
p-Anisidine	104949			X
p-Benzoquinone	106514		X	X
p-Cresidine	120718			X
p-Cresol	106445		X	X
p-Dinitrobenzene	100254		X	X
p-Nitrophenol	100027		X	X
p-Nitrosodiphenylamine	156105			X
p-Nitrotoluene	99990		X	
p-Phenylenediamine	106503			X
sec-Amyl acetate	626380		X	
sec-Butyl acetate	105464		X	
sec-Butyl alcohol	78922			X
sec-Butylamine	513495		X	
sec-Butylamine	13952846		X	
tert-Amyl acetate	625161		X	
tert-Butyl acetate	540885		X	
tert-Butyl alcohol	75650			X

APPENDIX E - EHS, CERCLA AND SECTION 313 CHEMICAL LISTS

CHEMICAL NAME	CAS NUMBER	EHS	CERCLA	313
tert-Butylamine	75649		X	

APPENDIX F

Important: Type or print; read instructions before completing form.

EPA U.S. Environmental Protection Agency	TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act	Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Chief, Information Policy Branch (RM-223), US EPA, 401 M St., SW, Washington, D.C. 20460. Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.
EPA FORM R	PART I. FACILITY IDENTIFICATION INFORMATION	(This space for your optional use.)

1.	1.1 Are you claiming the chemical identity on page 3 trade secret? <input type="checkbox"/> Yes (Answer question 1.2; Attach substantiation forms.)	1.2 If "Yes" in 1.1, is this copy: <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized	1.3 Reporting Year 19__
	<input type="checkbox"/> No (Do not answer 1.2; Go to question 1.3.)		

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

Signature _____ Date signed _____

<p>3. FACILITY IDENTIFICATION</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Facility or Establishment Name</td> </tr> <tr> <td colspan="2">Street Address</td> </tr> <tr> <td>City</td> <td>County</td> </tr> <tr> <td>State</td> <td>Zip Code</td> </tr> <tr> <td colspan="2">TRI Facility Identification Number</td> </tr> </table>	Facility or Establishment Name		Street Address		City	County	State	Zip Code	TRI Facility Identification Number		<p>WHERE TO SEND COMPLETED FORMS:</p> <p>1. EPCRA REPORTING CENTER P.O. BOX 23779 WASHINGTON, DC 20026-3779 ATTN: TOXIC CHEMICAL RELEASE INVENTORY</p> <p>2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)</p>
Facility or Establishment Name											
Street Address											
City	County										
State	Zip Code										
TRI Facility Identification Number											

3.2	This report contains information for (Check only one): a. <input type="checkbox"/> An entire facility b. <input type="checkbox"/> Part of a facility.					
3.3	Technical Contact				Telephone Number (include area code)	
3.4	Public Contact				Telephone Number (include area code)	
3.5	SIC Code (4 digit)					
	a.	b.	c.	d.	e.	f.
3.6	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
3.7	Dun & Bradstreet Number(s)					
	a.			b.		
3.8	EPA Identification Number(s) (RCRA I.D. No.)					
	a.			b.		
3.9	NPDES Permit Number(s)					
	a.			b.		
3.10	Receiving Streams or Water Bodies (enter one name per box)					
	a.			b.		
	c.			d.		
	e.			f.		
3.11	Underground Injection Well Code (UIC) Identification Number(s)					
	a.			b.		

4. PARENT COMPANY INFORMATION	
4.1	4.2
Name of Parent Company	Parent Company's Dun & Bradstreet Number



EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC
CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)			
1.1 POTW name		1.2 POTW name	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE.)			
2.1 Off-site location name		2.2 Off-site location name	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No	

2.3 Off-site location name		2.4 Off-site location name	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No	

2.5 Off-site location name		2.6 Off-site location name	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No	

Check if additional pages of Part II are attached. How many? _____

EPA FORM R PART III. CHEMICAL-SPECIFIC INFORMATION	(This space for your optional use.)
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1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)	
1.1	[Reserved]
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.)
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.)
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)	
2.	Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)					
3.1	Manufacture the chemical:	a. <input type="checkbox"/> Produce	If produce or import:		d. <input type="checkbox"/> For sale/distribution
		b. <input type="checkbox"/> Import	c. <input type="checkbox"/> For on-site use/processing	e. <input type="checkbox"/> As a byproduct	f. <input type="checkbox"/> As an impurity
3.2	Process the chemical:	a. <input type="checkbox"/> As a reactant	b. <input type="checkbox"/> As a formulation component	c. <input type="checkbox"/> As an article component	
		d. <input type="checkbox"/> Repackaging only			
3.3	Otherwise use the chemical:	a. <input type="checkbox"/> As a chemical processing aid	b. <input type="checkbox"/> As a manufacturing aid	c. <input type="checkbox"/> Ancillary or other use	

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR	
<input style="width: 20px; height: 20px;" type="text"/>	(enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE							
You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year)		B. Basis of Estimate (enter code)	C. % From Stormwater		
		A.1 Reporting Ranges	A.2 Enter Estimate				
		0	1-499	500-999			
5.1 Fugitive or non-point air emissions	5.1a	[]	[]	[]	5.1b <input type="checkbox"/>		
5.2 Stack or point air emissions	5.2a	[]	[]	[]	5.2b <input type="checkbox"/>		
5.3 Discharges to receiving streams or water bodies	5.3.1 <input type="checkbox"/>	5.3.1a	[]	[]	[]	5.3.1b <input type="checkbox"/> 5.3.1c %	
	(Enter letter code for stream from Part I Section 3.10 in the box provided.)	5.3.2 <input type="checkbox"/>	5.3.2a	[]	[]	[]	5.3.2b <input type="checkbox"/> 5.3.2c %
	5.3.3 <input type="checkbox"/>	5.3.3a	[]	[]	[]	[]	5.3.3b <input type="checkbox"/> 5.3.3c %
5.4 Underground injection on-site	5.4a	[]	[]	[]	5.4b <input type="checkbox"/>		
5.5 Releases to land on-site	5.5.1 Landfill	5.5.1a	[]	[]	[]	5.5.1b <input type="checkbox"/>	
	5.5.2 Land treatment/application farming	5.5.2a	[]	[]	[]	5.5.2b <input type="checkbox"/>	
	5.5.3 Surface impoundment	5.5.3a	[]	[]	[]	5.5.3b <input type="checkbox"/>	
	5.5.4 Other disposal	5.5.4a	[]	[]	[]	5.5.4b <input type="checkbox"/>	

[]	(Check if additional information is provided on Part IV-Supplemental information.)
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EPA	EPA FORM R PART III. CHEMICAL-SPECIFIC INFORMATION (continued)	(This space for your optional use.)
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6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS					
You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/year)			B. Basis of Estimate (enter code)	C. Type of Treatment/Disposal (enter code)
	A.1 Reporting Ranges	A.2 Enter Estimate			
	0	1-499	500-999		
6.1.1 Discharge to POTW (enter location number from Part II, Section 1)	1	[]	[]	6.1.1b	
6.2.1 Other off-site location (enter location number from Part II, Section 2)	2	[]	[]	6.2.1b	6.2.1c M []
6.2.2 Other off-site location (enter location number from Part II, Section 2)	2	[]	[]	6.2.2b	6.2.2c M []
6.2.3 Other off-site location (enter location number from Part II, Section 2)	2	[]	[]	6.2.3b	6.2.3c M []

[] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY									
[] Not Applicable (NA) - Check if no on-site treatment is applied to any wastestream containing the chemical or chemical category.									
A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data?				
					Yes	No			
7.1a	7.1b	7.1c	7.1d	7.1e	%	7.1f	[]	[]	[]
7.2a	7.2b	7.2c	7.2d	7.2e	%	7.2f	[]	[]	[]
7.3a	7.3b	7.3c	7.3d	7.3e	%	7.3f	[]	[]	[]
7.4a	7.4b	7.4c	7.4d	7.4e	%	7.4f	[]	[]	[]
7.5a	7.5b	7.5c	7.5d	7.5e	%	7.5f	[]	[]	[]
7.6a	7.6b	7.6c	7.6d	7.6e	%	7.6f	[]	[]	[]
7.7a	7.7b	7.7c	7.7d	7.7e	%	7.7f	[]	[]	[]
7.8a	7.8b	7.8c	7.8d	7.8e	%	7.8f	[]	[]	[]
7.9a	7.9b	7.9c	7.9d	7.9e	%	7.9f	[]	[]	[]
7.10a	7.10b	7.10c	7.10d	7.10e	%	7.10f	[]	[]	[]

[] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION			
(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)			
A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal		C. Index
M	Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-)) [] + [] - %
			R

<p style="text-align: center;">EPA FORM R PART IV. SUPPLEMENTAL INFORMATION</p> <p style="text-align: center; font-size: small;">Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)</p>	<p>(This space for your optional use.)</p>
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ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)				
You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Release (pounds/year)		B. Basis of Estimate	C. % From Stormwater
	A.1 Reporting Ranges	A.2 Enter Estimate	(enter code in box provided)	
5.3 Discharges to receiving streams or water bodies	0	1-499	500-999	
5.3. ___ <input type="checkbox"/> (Enter letter code for stream from Part I, Section 3.10 in the box provided.)	5.3. ___ a [] [] []		5.3. ___ b <input type="checkbox"/>	5.3. ___ c %
5.3. ___ <input type="checkbox"/>	5.3. ___ a [] [] []		5.3. ___ b <input type="checkbox"/>	5.3. ___ c %
5.3. ___ <input type="checkbox"/>	5.3. ___ a [] [] []		5.3. ___ b <input type="checkbox"/>	5.3. ___ c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)				
You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/year)		B. Basis of Estimate	C. Type of Treatment/Disposal
	A.1 Reporting Ranges	A.2 Enter Estimate	(enter code in box provided)	(enter code in box provided)
0	1-499	500-999		
6.1. ___ Discharge to POTW (enter location number from Part II, Section 1.) <input type="checkbox"/>	[] [] []		6.1. ___ b <input type="checkbox"/>	
6.2. ___ Other off-site location (enter location number from Part II, Section 2.) <input type="checkbox"/>	[] [] []		6.2. ___ b <input type="checkbox"/>	6.2. ___ c M <input type="checkbox"/>
6.2. ___ Other off-site location (enter location number from Part II, Section 2.) <input type="checkbox"/>	[] [] []		6.2. ___ b <input type="checkbox"/>	6.2. ___ c M <input type="checkbox"/>
6.2. ___ Other off-site location (enter location number from Part II, Section 2.) <input type="checkbox"/>	[] [] []		6.2. ___ b <input type="checkbox"/>	6.2. ___ c M <input type="checkbox"/>

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)					
A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes No
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []
7. ___ a <input type="checkbox"/>	7. ___ b <input type="checkbox"/>	7. ___ c <input type="checkbox"/>	7. ___ d []	7. ___ e %	7. ___ f [] []

APPENDIX G

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
<p>Section 313 of SARA Title III requires certain manufacturing facilities to submit reports each year on the amounts of toxic chemicals they release into the environment, either routinely or as a result of accidents. Reports contain information on toxic chemical releases to the air, water and land as well as transfers to publicly owned treatment works (POTWs) and other off-site locations. These reports are submitted to the Virginia Emergency Response Council and the Environmental Protection Agency (EPA). Currently, there are approximately 320 listed toxic chemicals. For calendar year 1988, 438 facilities reported on 1584 toxic chemical releases. Virginia was ranked eleventh in the nation for total releases and transfers of toxic chemicals by EPA. Appendix G lists the releases by county.</p>						
<p>COUNTY: ACCOMACK</p>						
<p>COMPANY: HOLLY FARMS FOODS, INC. - TEMPERANCEVILLE PLANT</p>						
AMMONIA	3290	0	0	0	0	3290
CHLORINE	250	0	0	0	0	250
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	3540	0	0	0	0	3540
<p>COMPANY: JOHN W. TAYLOR PACKING CO., INC.</p>						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
<p>COMPANY: PERDUE, INC. - ACCOMACK</p>						
AMMONIA	16000	0	0	0	0	16000
CHLORINE	250	0	0	0	0	250
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	16250	0	0	0	0	16250
COUNTY TOTAL:	19790	0	0	0	0	19790
<p>COUNTY: ALBEMARLE</p>						
<p>COMPANY: ACME VISIBLE RECORDS</p>						
XYLENE (MIXED ISOMERS)	20640	0	0	1	250	20891
COMPANY TOTAL:	20640	0	0	1	250	20891
<p>COMPANY: CONAGRA FROZEN FOODS</p>						
AMMONIA	62500	0	0	0	0	62500
SODIUM HYDROXIDE (SOLUTION)	0	0	0	120000	0	120000
COMPANY TOTAL:	62500	0	0	120000	0	182500
<p>COMPANY: COOPER INDUSTRIES, EDP</p>						
2-ETHOXYETHANOL	34035	0	0	0	0	34035

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
NITRIC ACID	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	34035	0	0	0	0	34035
COMPANY: INTERNATIONAL COLD STORAGE CO., INC						
METHYLENEBIS(PHENYLISOCYANATE)	250	0	0	0	250	500
COMPANY TOTAL:	250	0	0	0	250	500
COUNTY TOTAL:	117425	0	0	120001	500	237926
COUNTY: ALLEGHANY						
COMPANY: ACADIA POLYMERS, INC.						
1,1,1-TRICHLOROETHANE	58870	0	0	0	1500	60370
METHYL ETHYL KETONE	15747	0	0	0	3000	18747
ZINC COMPOUNDS	0	0	0	26633	46328	72961
COMPANY TOTAL:	74617	0	0	26633	50828	152078
COUNTY TOTAL:	74617	0	0	26633	50828	152078
COUNTY: AMHERST						
COMPANY: VIRGINIA FIBRE CORPORATION						
HYDROCHLORIC ACID	0	0	0	0	0	0
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	0	0	0	0	0	0
COUNTY: APPOMATTOX						
COMPANY: ARMSTRONG FURNITURE						
METHANOL	13823	0	0	0	0	13823
METHYL ETHYL KETONE	69879	0	0	0	0	69879
METHYL ISOBUTYL KETONE	105717	0	0	0	0	105717
STYRENE	17965	0	0	0	0	17965
TOLUENE	128241	0	0	0	0	128241
XYLENE (MIXED ISOMERS)	24530	0	0	0	0	24530
COMPANY TOTAL:	360155	0	0	0	0	360155
COUNTY TOTAL:	360155	0	0	0	0	360155
COUNTY: AUGUSTA						
COMPANY: AMERICAN SAFETY RAZOR COMPANY						
1,1,1-TRICHLOROETHANE	22950	0	0	0	2800	25750

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
AMMONIA	700	0	0	0	0	700
FREON 113	121250	0	0	0	2800	124050
TRICHLOROETHYLENE	308400	0	0	0	7600	316000
COMPANY TOTAL:	453300	0	0	0	13200	466500
COMPANY: CAPITOL PRINTING INK COMPANY, INC.						
COPPER COMPOUNDS	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: CERRO METAL PRODUCTS						
COPPER	0	0	0	250	9000	9250
LEAD	0	0	0	250	343	593
NITRIC ACID	500	0	0	0	0	500
ZINC (FUME OR DUST)	0	0	0	250	8100	8350
COMPANY TOTAL:	500	0	0	750	17443	18693
COMPANY: DEGESCH AMERICA, INC./AMPHOS LTD.						
AMMONIA	580	0	0	0	0	580
COMPANY TOTAL:	580	0	0	0	0	580
COMPANY: LEBANON AGRICORP - STUARTS DRAFT						
AMMONIA	10	0	0	0	0	10
AMMONIUM SULFATE (SOLUTION)	20	0	0	0	0	20
PHOSPHORIC ACID	60	0	0	0	0	60
COMPANY TOTAL:	90	0	0	0	0	90
COMPANY: LOFTON CORPORATION						
NAPHTHALENE	10481	0	0	0	0	10481
PHOSPHORIC ACID	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
TOLUENE	15190	0	0	0	0	15190
XYLENE (MIXED ISOMERS)	12686	0	0	0	44007	56693
COMPANY TOTAL:	38357	0	0	0	44007	82364
COMPANY: NEUMAN USA LTD.						
1,1,1-TRICHLOROETHANE	250	0	0	0	5979	6229
COMPANY TOTAL:	250	0	0	0	5979	6229
COMPANY: NIBCO STUARTS DRAFT DIVISION						
COPPER COMPOUNDS	15200	0	0	250	5700	21150

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
LEAD COMPOUNDS	250	0	0	250	250	750
PHOSPHORUS (YELLOW OR WHITE)	5450	0	0	0	0	5450
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	280	0	0	0	0	280
COMPANY TOTAL:	21180	0	0	500	5950	27630
COMPANY: PT COMPONENTS, INC.						
1,1,1-TRICHLOROETHANE	19373	0	0	0	0	19373
2-NITROPROPANE	250	0	0	0	0	250
AMMONIA	17021	0	0	0	0	17021
COMPANY TOTAL:	36644	0	0	0	0	36644
COMPANY: REYNOLDS METALS - PLASTICS PLANT						
BIS (2-ETHYLHEXYL) ADIPATE	2936	0	250	0	16617	19803
COMPANY TOTAL:	2936	0	250	0	16617	19803
COMPANY: SHYDERGENERAL CORPORATION						
1,1,1-TRICHLOROETHANE	89528	0	0	0	10334	99862
DICHLOROMETHANE	24051	0	0	0	5197	29248
METHYL ETHYL KETONE	17139	0	0	0	5300	22439
COMPANY TOTAL:	130718	0	0	0	20831	151549
COMPANY: SUNLITE PLASTICS COMPANY, INC.						
DI(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	250	250
COMPANY TOTAL:	0	0	0	0	250	250
COMPANY: VIRGINIA METALCRAFTERS						
1,1,1-TRICHLOROETHANE	53500	0	0	0	0	53500
COPPER COMPOUNDS	500	0	250	0	0	750
ZINC COMPOUNDS	500	0	250	0	0	750
COMPANY TOTAL:	54500	0	500	0	0	55000
COUNTY TOTAL:	739055	0	750	1250	124277	865332
COUNTY: BATH						
COMPANY: BACOVA GUILD, LTD.						
ACETONE	6495	0	0	0	0	6495
STYRENE	750	0	0	0	0	750
TOLUENE	36691	0	3018	0	3018	42727
COMPANY TOTAL:	43936	0	3018	0	3018	49972
COUNTY TOTAL:	43936	0	3018	0	3018	49972

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COUNTY: BEDFORD						
COMPANY: NEKOOSA PACKAGING						
CHLORINE	250	0	0	0	0	250
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	10	10
COMPANY TOTAL:	250	0	0	0	10	260
COMPANY: SMITH MOUNTAIN WOOD PRESERVERS, INC.						
ARSENIC COMPOUNDS	0	0	0	0	0	0
CHROMIUM COMPOUNDS	0	0	0	0	0	0
COPPER COMPOUNDS	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	250	0	0	0	10	260
COUNTY: BOTETOURT						
COMPANY: GALA INDUSTRIES, INC.						
CHROMIUM	250	0	0	0	38792	39042
NICKEL	250	0	0	0	21336	21586
COMPANY TOTAL:	500	0	0	0	60128	60628
COMPANY: GROENDYK MANUFACTURING CO., INC.						
TOLUENE	14879	0	0	0	0	14879
COMPANY TOTAL:	14879	0	0	0	0	14879
COMPANY: PEPSI COLA COMPANY OF ROANOKE						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	35949	0	35949
COMPANY TOTAL:	0	0	0	35949	0	35949
COUNTY TOTAL:	15379	0	0	35949	60128	111456
COUNTY: BRUNSWICK						
COMPANY: BRICK AND TILE CORPORATION OF LAWRENCEVILLE						
MANGANESE	250	0	0	0	0	250
COMPANY TOTAL:	250	0	0	0	0	250
COUNTY TOTAL:	250	0	0	0	0	250
COUNTY: BUCKINGHAM						
COMPANY: SOLITE CORPORATION						
ACETONE	181	0	0	0	0	181
CYCLOHEXANE	27	0	0	0	0	27

APPENDIX C - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
METHANOL	113	0	0	0	0	113
METHYL ETHYL KETONE	247	0	0	0	0	247
METHYL ISOBUTYL KETONE	158	0	0	0	0	158
TOLUENE	301	0	0	0	0	301
XYLENE (MIXED ISOMERS)	262	0	0	0	0	262
COMPANY TOTAL:	1289	0	0	0	0	1289
COUNTY: CAMPBELL	1289	0	0	0	0	1289
COMPANY: BGF INDUSTRIES INC.						
ETHYLENE GLYCOL	36000	0	0	2900	0	38900
METHANOL	36000	0	0	3100	0	39100
XYLENE (MIXED ISOMERS)	5100	0	0	7600	0	12700
COMPANY TOTAL:	77100	0	0	13600	0	90700
COMPANY: BIBB COMPANY						
CHLORINE	250	750	0	0	0	1000
COMPANY TOTAL:	250	750	0	0	0	1000
COMPANY: H.S. NASH TIMBER CORP.						
CHROMIUM COMPOUNDS	250	0	0	0	0	250
COMPANY TOTAL:	250	0	0	0	0	250
COMPANY: LANE COMPANY						
ACETONE	86125	0	0	0	250	86375
ETHYLENE GLYCOL	18484	0	0	0	750	19234
METHANOL	289235	0	0	0	2037	291272
METHYL ETHYL KETONE	103388	0	0	0	31666	135054
N-BUTYL ALCOHOL	23030	0	0	0	750	23780
TOLUENE	255597	0	0	0	26296	281893
XYLENE (MIXED ISOMERS)	188791	0	0	0	750	189541
COMPANY TOTAL:	964650	0	0	0	62499	1027149
COMPANY: MAGNETEK/UNIVERSAL ELECTRIC - ALTAVISTA WORKS						
ALUMINUM (FUME OR DUST)	250	0	0	0	0	250
COPPER	250	0	0	250	0	500
XYLENE (MIXED ISOMERS)	100250	0	0	250	0	100500
COMPANY TOTAL:	100750	0	0	500	0	101250

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY: MEREDITH/BURDA						
METHANOL	8113	0	0	19862	0	27975
SULFURIC ACID	250	0	0	0	250	500
TOLUENE	2000000	27500	0	250	62741	2090491
COMPANY TOTAL:	2008363	27500	0	20112	62991	2118966
COMPANY: PIEDMONT MANUFACTURING COMPANY, INC.						
ALUMINUM OXIDE	250	0	0	0	12000	12250
COPPER	0	34	0	0	1373	1407
LEAD	0	2	0	0	56	58
NITRIC ACID	0	0	0	0	0	0
TETRACHLOROETHYLENE	16500	0	0	0	0	16500
COMPANY TOTAL:	16750	36	0	0	13429	30215
COMPANY: ROSS LABORATORIES						
GLYCOL ETHERS	4600	0	0	0	8300	12900
PHOSPHORIC ACID	0	0	0	8400	0	8400
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	15000	15000
SULFURIC ACID	0	0	0	7590	0	7590
COMPANY TOTAL:	4600	0	0	15990	23300	43890
COMPANY: THOMASVILLE FURNITURE INDUSTRIES, INC.						
METHANOL	87916	0	0	0	0	87916
METHYL ETHYL KETONE	28420	0	0	0	0	28420
N-BUTYL ALCOHOL	39718	0	0	0	0	39718
TOLUENE	39066	0	0	0	0	39066
XYLENE (MIXED ISOMERS)	23830	0	0	0	0	23830
COMPANY TOTAL:	218950	0	0	0	0	218950
COUNTY TOTAL:	3391663	28286	0	50202	162219	3632370
COUNTY: CAROLINE						
COMPANY: HOOVER TREATED WOOD PRODUCTS						
ARSENIC COMPOUNDS	250	0	0	0	0	250
CHROMIUM COMPOUNDS	250	0	0	0	0	250
COPPER COMPOUNDS	250	0	0	0	0	250
PHOSPHORIC ACID	250	0	0	0	0	250
COMPANY TOTAL:	1000	0	0	0	0	1000

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED		TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: JONES CHEMICALS, INC.							
	CHLORINE	500	0	0	0	0	500
	HYDROCHLORIC ACID	500	0	0	0	0	500
	SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
	COMPANY TOTAL:	1000	0	0	0	0	1000
	COUNTY TOTAL:	2000	0	0	0	0	2000
COUNTY: CARROLL							
COMPANY: SARA LEE KNIT PRODUCTS							
	SODIUM HYDROXIDE (SOLUTION)	500	0	0	28622	0	29122
	COMPANY TOTAL:	500	0	0	28622	0	29122
COMPANY: SPRAGUE ELECTRIC COMPANY							
	ACETONE	3685	0	0	0	0	3685
	COMPANY TOTAL:	3685	0	0	0	0	3685
	COUNTY TOTAL:	4185	0	0	28622	0	32807
COUNTY: CHARLOTTE							
COMPANY: WEST POINT PEPPERELL - KEYSVILLE PLANT							
	AMMONIA	29000	3200	0	0	0	32200
	COMPANY TOTAL:	29000	3200	0	0	0	32200
	COUNTY TOTAL:	29000	3200	0	0	0	32200
COUNTY: CHESTERFIELD							
COMPANY: A WOOD MART OF VA - TWIN RIVERS FOREST PRODUCTS CO							
	ARSENIC COMPOUNDS	0	0	0	0	6	6
	COPPER COMPOUNDS	0	0	0	0	4	4
	COMPANY TOTAL:	0	0	0	0	10	10
COMPANY: ALLIED FIBERS TECHNICAL CENTER							
	TRADE SECRET - HALOGENATED ALKANE	157000	250	0	0	0	157250
	COMPANY TOTAL:	157000	250	0	0	0	157250
COMPANY: ALLIED-SIGNAL, INC.							
	BIPHENYL	19000	40	0	0	3100	22140
	CHLORINE	0	1800	0	0	0	1800
	GLYCOL ETHERS	0	0	0	0	1200	1200
	PHOSPHORIC ACID	0	1400	0	0	154100	155500
	SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
TETRACHLOROETHYLENE	0	0	0	0	11100	11100
ZINC COMPOUNDS	0	40	0	0	5800	5840
COMPANY TOTAL:	19000	3280	0	0	175300	197580
COMPANY: AMERICAN TOBACCO COMPANY - HANMER DIVISION						
CHLORINE	5800	15000	0	0	0	20800
COMPANY TOTAL:	5800	15000	0	0	0	20800
COMPANY: DU PONT - SPRUANCE SITE						
BIPHENYL	7900	0	0	0	4000	11900
CARBON DISULFIDE	53000	0	0	0	530	53530
CARBON TETRACHLORIDE	6000	0	0	0	11000	17000
CHLORINE	1	0	0	0	0	1
CHLOROFORM	190100	600	0	0	0	190700
DICHLOROMETHANE	24025	0	0	0	0	24025
HYDROCHLORIC ACID	0	0	0	0	0	0
P-PHENYLEDIAMINE	0	0	0	0	117400	117400
SULFURIC ACID	3500	0	0	0	4500000	4503500
TETRACHLOROETHYLENE	24200	0	0	0	700	24900
TOLUENE	115800	0	0	0	22000	137800
COMPANY TOTAL:	424526	600	0	0	4655630	5080756
COMPANY: HON COMPANY						
1,2,4-TRIMETHYLBENZENE	15650	0	0	0	0	15650
N-BUTYL ALCOHOL	15350	0	0	0	0	15350
TOLUENE	111550	0	0	0	0	111550
XYLENE (MIXED ISOMERS)	134350	0	0	0	0	134350
COMPANY TOTAL:	276900	0	0	0	0	276900
COMPANY: ICI AMERICAS INC. - HOPEWELL SITE						
CHLORINE	10	0	0	0	0	10
ETHYLENE GLYCOL	5850	509	0	0	0	6359
HYDROCHLORIC ACID	53	0	0	0	0	53
METHANOL	390600	80	0	0	0	390680
TEREPHTHALIC ACID	0	0	0	0	10000	10000
COMPANY TOTAL:	396513	589	0	0	10000	407102
COMPANY: PHILIP MORRIS USA - PARK 500						
AMMONIA	250	2100	0	0	183520	185870
CHLORINE	250	10950	0	0	0	11200

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	500	13050	0	0	183520	197070
COMPANY: PRIMARY OIL AND ENERGY CORPORATION - CHESTER						
BENZENE	250	0	0	0	0	250
TOLUENE	250	0	0	0	0	250
XYLENE (MIXED ISOMERS)	250	0	0	0	0	250
COMPANY TOTAL:	750	0	0	0	0	750
COMPANY: REYNOLDS METALS - BELLWOOD EXTRUSION PLANT						
ALUMINUM OXIDE	4500	0	0	0	14400	18900
CHROMIUM	250	0	0	0	0	250
COPPER	250	0	0	0	0	250
HEXACHLOROETHANE	0	0	0	0	0	0
MANGANESE	250	0	0	0	0	250
METHANOL	250	0	0	0	0	250
METHYL ETHYL KETONE	250	0	0	0	0	250
COMPANY TOTAL:	5750	0	0	0	14400	20150
COMPANY: REYNOLDS METALS - BELLWOOD PRINTING PLANT						
ACETONE	151000	0	0	0	500	151500
CHROMIUM	0	0	0	0	250	250
GLYCOL ETHERS	84000	0	0	0	500	84500
METHANOL	234000	0	0	0	500	234500
METHYL ETHYL KETONE	250000	0	0	0	1000	251000
TOLUENE	489000	0	0	0	1000	490000
XYLENE (MIXED ISOMERS)	13300	0	0	0	250	13550
COMPANY TOTAL:	1221300	0	0	0	4000	1225300
COMPANY: REYNOLDS METALS - BELLWOOD RECLAMATION						
ALUMINUM OXIDE	5400	0	0	0	38000	43400
CHLORINE	250	0	0	0	0	250
CHROMIUM	500	0	0	0	0	500
COPPER	500	0	0	0	250	750
MANGANESE	500	0	0	0	250	750
NICKEL	500	0	0	0	250	750
COMPANY TOTAL:	7650	0	0	0	38750	46400
COMPANY: REYNOLDS METALS - PLANT 44						
ALUMINUM OXIDE	6600	0	0	0	6657	13257

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
CHLORINE	1000	0	0	0	0	1000
MANGANESE	250	0	0	0	0	250
TOLUENE	6	0	0	0	0	6
XYLENE (MIXED ISOMERS)	12	0	0	0	0	12
COMPANY TOTAL:	7868	0	0	0	6657	14525
COMPANY: SUPER RADIATOR COILS						
TETRACHLOROETHYLENE	3168	0	0	0	10391	13559
COMPANY TOTAL:	3168	0	0	0	10391	13559
COUNTY TOTAL:	2526725	32769	0	0	5098658	7658152
COUNTY: CLARKE						
COMPANY: AMERICAN WOODMARK CORP. - BERRYVILLE PLANT						
ACETONE	25160	0	0	0	0	25160
STYRENE	0	0	0	0	18920	18920
COMPANY TOTAL:	25160	0	0	0	18920	44080
COUNTY TOTAL:	25160	0	0	0	18920	44080
COUNTY: CULPEPER						
COMPANY: CELLIN MANUFACTURING, INC.						
CI BASIC GREEN 4	0	0	0	0	250	250
SULFURIC ACID	250	0	0	0	0	250
COMPANY TOTAL:	250	0	0	0	250	500
COMPANY: COMMUNICATIONS CORP. OF AMERICA						
FREON 113	14370	0	0	0	0	14370
COMPANY TOTAL:	14370	0	0	0	0	14370
COMPANY: CULPEPER WOOD PRESERVERS						
ARSENIC COMPOUNDS	250	0	0	0	0	250
CHROMIUM COMPOUNDS	250	0	0	0	0	250
COPPER COMPOUNDS	250	0	0	0	0	250
COMPANY TOTAL:	750	0	0	0	0	750
COMPANY: ROCHESTER CORPORATION						
HYDROCHLORIC ACID	0	0	0	0	1800	1800
LEAD	0	0	0	0	10000	10000
COMPANY TOTAL:	0	0	0	0	11800	11800
COUNTY TOTAL:	15370	0	0	0	12050	27420

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COUNTY: FAIRFAX						
COMPANY: ALEXANDRIA METAL FINISHERS, INC.						
SODIUM HYDROXIDE (SOLUTION)	3250	0	0	0	250	3500
SULFURIC ACID	1500	0	0	250	10400	12150
TETRACHLOROETHYLENE	29400	0	0	250	0	29650
COMPANY TOTAL:	34150	0	0	500	10650	45300
COMPANY: ALLIED SIGNAL, INC. BENDIX COMMUNICATIONS DIVISION						
1,1,1-TRICHLOROETHANE	27450	0	0	0	18300	45750
COMPANY TOTAL:	27450	0	0	0	18300	45750
COMPANY: AUTOMATA, INC. - RESTON						
1,1,1-TRICHLOROETHANE	20000	0	0	0	0	20000
DICHLOROMETHANE	56500	0	0	0	0	56500
GLYCOL ETHERS	0	0	0	46000	0	46000
NITRIC ACID	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	76500	0	0	46000	0	122500
COMPANY: E-SYSTEMS, INC., MELPAR DIVISION - FAIRFAX						
FREON 113	15692	0	0	0	2742	18434
COMPANY TOTAL:	15692	0	0	0	2742	18434
COMPANY: HUBBELL INC. - PULSECOM DIVISION						
FREON 113	12995	0	0	0	0	12995
COMPANY TOTAL:	12995	0	0	0	0	12995
COMPANY: SICPA SECURINK CORPORATION						
COPPER COMPOUNDS	0	0	0	0	155	155
GLYCOL ETHERS	329	0	0	0	609	938
METHYL ISOBUTYL KETONE	284	0	0	0	936	1220
XYLENE (MIXED ISOMERS)	572	0	0	0	479	1051
COMPANY TOTAL:	1185	0	0	0	2179	3364
COMPANY: UNITED STATES PRINTING INK CORPORATION						
BARIUM COMPOUNDS	0	0	0	0	0	0
COPPER COMPOUNDS	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	167972	0	0	46500	33871	248343

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COUNTY: FLUVANNA						
COMPANY: VALLEY TIMBER SALES, INC.						
ARSENIC COMPOUNDS	250	0	0	0	750	1000
CHROMIUM COMPOUNDS	250	0	0	0	750	1000
COPPER COMPOUNDS	250	0	0	0	750	1000
COMPANY TOTAL:	750	0	0	0	2250	3000
COUNTY TOTAL:	750	0	0	0	2250	3000
COUNTY: FRANKLIN						
COMPANY: BLUE RIDGE TALC COMPANY, INC.						
BUTYL BENZYL PHTHALATE	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: LANE COMPANY, INCORPORATED						
ACETONE	16130	0	0	0	250	16380
METHANOL	15590	0	0	0	250	15840
METHYL ETHYL KETONE	17640	0	0	0	3640	21280
N-BUTYL ALCOHOL	29960	0	0	0	250	30210
TOLUENE	35330	0	0	0	5850	41180
XYLENE (MIXED ISOMERS)	53070	0	0	0	250	53320
COMPANY TOTAL:	167720	0	0	0	10490	178210
COMPANY: PI CARV/CRAFT OF FERRUM						
STYRENE	250	0	0	0	0	250
COMPANY TOTAL:	250	0	0	0	0	250
COMPANY: ROCKY TOP WOOD PRESERVERS, INC.						
ARSENIC COMPOUNDS	250	0	0	0	0	250
CHROMIUM COMPOUNDS	250	0	0	0	0	250
COPPER COMPOUNDS	250	0	0	0	0	250
COMPANY TOTAL:	750	0	0	0	0	750
COMPANY: RONILE, INC.						
ETHYLENE GLYCOL	0	250	0	0	0	250
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	250	0	0	0	250
COUNTY TOTAL:	168720	250	0	0	10490	179460

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COUNTY: FREDERICK						
COMPANY: PIEDMONT EXPLOSIVES, INC. - CLEARBROOK						
AMMONIUM NITRATE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: SEAWARD INTERNATIONAL, INC.						
TOLUENE	131000	0	0	0	0	131000
TOLUENE-2,4-DIISOCYANATE	1	0	0	0	0	1
COMPANY TOTAL:	131001	0	0	0	0	131001
COUNTY TOTAL:	131001	0	0	0	0	131001
COUNTY: GILES						
COMPANY: HOECHST CELANESE - NARROWS						
ACETONE	10863000	280	0	0	17442	10880722
ACETONITRILE	0	160	0	0	0	160
BENZENE	371000	20	0	0	250	371270
CHLORINE	0	0	0	0	0	0
DICHLOROMETHANE	228900	0	0	0	2400	231300
ETHYLENE	29000	0	0	0	0	29000
METHYL ETHYL KETONE	300000	80	0	0	0	300080
SULFURIC ACID	0	0	0	0	2700	2700
COMPANY TOTAL:	11791900	540	0	0	22792	11815232
COUNTY TOTAL:	11791900	540	0	0	22792	11815232
COUNTY: GRAYSON						
COMPANY: CAMCAR TEXTRON - ELK CREEK RAYCARL PRODUCTS DIV.						
COPPER	0	0	0	0	66	66
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	66	66
COMPANY: NAUTILUS SPORTS/MEDICAL INDUSTRIES, INC.-INDEPEND.						
CHROMIUM COMPOUNDS	0	0	0	0	179	179
DICHLOROMETHANE	18800	0	0	0	0	18800
PROPYLENE	440	0	0	0	0	440
COMPANY TOTAL:	19240	0	0	0	179	19419
COUNTY TOTAL:	19240	0	0	0	245	19485

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COUNTY: GREENSVILLE						
COMPANY: GEORGIA-PACIFIC CORP. - SKIPPERS OSB						
FORMALDEHYDE	111000	0	0	0	0	111000
PHENOL	170000	0	0	0	0	170000
COMPANY TOTAL:	281000	0	0	0	0	281000
COUNTY TOTAL:	281000	0	0	0	0	281000
COUNTY: HALIFAX						
COMPANY: C-K VASCO						
CHROMIUM	0	0	0	0	1000	1000
HYDROCHLORIC ACID	500	0	0	0	0	500
COMPANY TOTAL:	500	0	0	0	1000	1500
COUNTY TOTAL:	500	0	0	0	1000	1500
COUNTY: HANOVER						
COMPANY: BEAR ISLAND PAPER COMPANY, L.P.						
AMMONIA	20	0	0	1600	2	1622
CHLORINE	0	0	0	0	0	0
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	93	0	93
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	20	0	0	1693	2	1715
COMPANY: CHEMTREAT, INC.						
CHROMIUM COMPOUNDS	0	0	0	0	513	513
COPPER COMPOUNDS	0	0	0	0	0	0
HYDRAZINE	0	0	0	0	0	0
MANGANESE COMPOUNDS	0	0	0	0	0	0
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	6048	6048
SULFURIC ACID	0	0	0	0	0	0
ZINC COMPOUNDS	0	0	0	0	919	919
COMPANY TOTAL:	0	0	0	0	7480	7480
COMPANY: DISPERSION SPECIALTIES, INC.						
TOLUENE	7250	0	0	0	0	7250
COMPANY TOTAL:	7250	0	0	0	0	7250

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: FARMER MACHINE COMPANY						
CHROMIUM	0	0	0	0	8979	8979
COMPANY TOTAL:	0	0	0	0	8979	8979
COMPANY: NEAGLE'S FLEXO, INC.						
NITRIC ACID	1000	0	0	0	0	1000
COMPANY TOTAL:	1000	0	0	0	0	1000
COMPANY: VIRGINIA GALVANIZING CORPORATION						
HYDROCHLORIC ACID	51504	0	0	0	0	51504
ZINC COMPOUNDS	12220	0	0	0	0	12220
COMPANY TOTAL:	63724	0	0	0	0	63724
COMPANY: WAHOO BOATS UNLIMITED						
ACETONE	26340	0	0	0	0	26340
STYRENE	30382	0	0	0	162	30544
COMPANY TOTAL:	56722	0	0	0	162	56884
COUNTY TOTAL:	128716	0	0	1693	16623	147032
COUNTY: HENRICO						
COMPANY: A.H. ROBINS COMPANY, INC.						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: AT&T MICROELECTRONICS - RICHMOND WORKS						
1,1,1-TRICHLOROETHANE	335360	0	0	880	0	336240
ALUMINUM OXIDE	0	0	0	2	42800	42802
AMMONIA	14600	0	0	90400	0	105000
CHLORINE	118	0	0	0	0	118
COPPER COMPOUNDS	36	0	0	4452	33700	38188
DICHLOROMETHANE	645940	0	0	1230	0	647170
FORMALDEHYDE	2100	0	0	835	0	2935
FREON 113	24200	0	0	0	0	24200
GLYCOL ETHERS	17310	0	0	19960	0	37270
HYDROCHLORIC ACID	480	0	0	0	0	480
LEAD	23	0	0	329	0	352
METHANOL	8000	0	0	1400	0	9400
SODIUM HYDROXIDE (SOLUTION)	630	0	0	0	0	630
SULFURIC ACID	1012	0	0	0	0	1012

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
THIOUREA	0	0	0	11100	0	11100
COMPANY TOTAL:	1049809	0	0	130588	76500	1256897
COMPANY: AT&T MICROELECTRONICS - RICHMOND WORKS-GLEN ALDEN						
FREON 113	13080	0	0	0	0	13080
PHOSPHORIC ACID	6	0	0	0	16740	16746
COMPANY TOTAL:	13086	0	0	0	16740	29826
COMPANY: HANKIN & JOHANN, INC.						
SODIUM HYDROXIDE (SOLUTION)	1000	0	0	0	0	1000
SULFURIC ACID	1000	0	0	0	0	1000
COMPANY TOTAL:	2000	0	0	0	0	2000
COMPANY: HASKELL CHEMICAL COMPANY, INC.						
1,1,1-TRICHLOROETHANE	500	0	0	0	0	500
ACETONE	500	0	0	0	0	500
DIBUTYL PHTHALATE	500	0	0	0	0	500
ETHYLENE GLYCOL	500	0	0	0	0	500
METHANOL	500	0	0	0	0	500
METHYL ETHYL KETONE	1000	0	0	0	0	1000
TOLUENE	1000	0	0	0	0	1000
XYLENE (MIXED ISOMERS)	500	0	0	0	0	500
COMPANY TOTAL:	5000	0	0	0	0	5000
COMPANY: HASKELL MANUFACTURING CORPORATION						
METHYL ETHYL KETONE	6688	0	0	0	0	6688
TOLUENE	2846	0	0	0	0	2846
COMPANY TOTAL:	9534	0	0	0	0	9534
COMPANY: HOLLY FARMS FOODS, INC. - RICHMOND PLANT						
AMMONIA	1600	0	0	0	0	1600
CHLORINE	250	250	0	0	0	500
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	1850	250	0	0	0	2100
COMPANY: MANVILLE SALES CORPORATION						
ANTIMONY COMPOUNDS	0	0	0	0	7473	7473
ETHYLENE GLYCOL	0	1070	0	1070	0	2140
TETRACHLOROETHYLENE	10932	0	0	0	562	11494
TOLUENE	103782	0	0	0	3101	106883

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY TOTAL:	114714	1070	0	1070	11136	127990
COMPANY: MAXWELL COMMUNICATION RICHMOND						
TOLUENE	888000	0	0	0	120100	1008100
XYLENE (MIXED ISOMERS)	56000	0	0	0	7240	63240
COMPANY TOTAL:	944000	0	0	0	127340	1071340
COMPANY: NATIONAL STARCH & CHEMICAL CORP.						
1,1,1-TRICHLOROETHANE	2740	0	0	250	500	3490
COMPANY TOTAL:	2740	0	0	250	500	3490
COMPANY: PRIMARY OIL AND ENERGY CORPORATION - RICHMOND						
BENZENE	250	0	0	0	0	250
TOLUENE	750	0	0	0	0	750
XYLENE (MIXED ISOMERS)	750	0	0	0	0	750
COMPANY TOTAL:	1750	0	0	0	0	1750
COMPANY: RASCHIG CORPORATION						
HYDROCHLORIC ACID	500	0	0	250	0	750
COMPANY TOTAL:	500	0	0	250	0	750
COMPANY: VIRGINIA WOOD PRESERVING						
CHROMIUM COMPOUNDS	250	0	0	0	750	1000
COMPANY TOTAL:	250	0	0	0	750	1000
COUNTY TOTAL:	2145233	1320	0	132158	232966	2511677
COUNTY: HENRY						
COMPANY: BASSETT CHAIR COMPANY						
ACETONE	27522	0	0	0	0	27522
METHANOL	164379	0	0	0	0	164379
METHYL ETHYL KETONE	24807	0	0	0	0	24807
N-BUTYL ALCOHOL	33853	0	0	0	0	33853
TOLUENE	164732	0	0	0	0	164732
XYLENE (MIXED ISOMERS)	115923	0	0	0	0	115923
COMPANY TOTAL:	531216	0	0	0	0	531216
COMPANY: BASSETT FIBERBOARD						
FORMALDEHYDE	417	0	0	0	0	417
COMPANY TOTAL:	417	0	0	0	0	417

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY: BASSETT FURNITURE COMPANY						
ACETONE	26805	0	0	0	0	26805
METHANOL	105400	0	0	0	0	105400
METHYL ETHYL KETONE	40722	0	0	0	0	40722
METHYL ISOBUTYL KETONE	32685	0	0	0	0	32685
SULFURIC ACID	0	0	0	11100	0	11100
TOLUENE	59433	0	0	0	0	59433
XYLENE (MIXED ISOMERS)	47063	0	0	0	0	47063
COMPANY TOTAL:	312108	0	0	11100	0	323208
COMPANY: BASSETT MIRROR COMPANY						
ACETONE	18750	0	0	0	0	18750
COMPANY TOTAL:	18750	0	0	0	0	18750
COMPANY: BASSETT SUPERIOR LINES						
ACETONE	20292	0	0	0	0	20292
DI(2-ETHYLHEXYL) PHTHALATE	46500	0	0	0	0	46500
METHYL ETHYL KETONE	177362	0	0	0	0	177362
METHYL ISOBUTYL KETONE	200973	0	0	0	0	200973
TOLUENE	349123	0	0	0	0	349123
XYLENE (MIXED ISOMERS)	60283	0	0	0	0	60283
COMPANY TOTAL:	854533	0	0	0	0	854533
COMPANY: BASSETT TABLE COMPANY						
METHANOL	94907	0	0	0	0	94907
METHYL ETHYL KETONE	15106	0	0	0	0	15106
METHYL ISOBUTYL KETONE	10008	0	0	0	0	10008
TOLUENE-2,6-DIISOCYANATE	58140	0	0	0	0	58140
COMPANY TOTAL:	178161	0	0	0	0	178161
COMPANY: BASSETT, J.D. MANUFACTURING COMPANY						
ACETONE	75800	0	0	0	0	75800
METHANOL	263332	0	0	0	0	263332
METHYL ETHYL KETONE	26021	0	0	0	0	26021
METHYL ISOBUTYL KETONE	38794	0	0	0	0	38794
TOLUENE	152065	0	0	0	0	152065
XYLENE (MIXED ISOMERS)	63852	0	0	0	0	63852
COMPANY TOTAL:	619864	0	0	0	0	619864

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY: BASSETT-WALKER, INC.						
1,1,1-TRICHLOROETHANE	14350	0	0	0	0	14350
BIPHENYL	11408	0	0	115	0	11523
SODIUM HYDROXIDE (SOLUTION)	0	0	0	860	0	860
COMPANY TOTAL:	25758	0	0	975	0	26733
COMPANY: COMMONWEALTH FILM PROCESSING, INC.						
ETHYLENE GLYCOL	23485	0	0	9966	0	33451
COMPANY TOTAL:	23485	0	0	9966	0	33451
COMPANY: FIELDCREST CANNON, INC.						
CHLORINE	250	0	0	0	0	250
HYDROCHLORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	968	0	968
COMPANY TOTAL:	250	0	0	968	0	1218
COMPANY: J&J SOUTHEAST						
SODIUM HYDROXIDE (SOLUTION)	250	0	0	1500	0	1750
COMPANY TOTAL:	250	0	0	1500	0	1750
COMPANY: MARTIN PROCESSING, INC.						
ETHYLENE GLYCOL	504250	0	250	117250	0	621750
METHYL ETHYL KETONE	123950	0	0	0	191000	314950
METHYL ISOBUTYL KETONE	250	0	0	0	28550	28800
PHOSPHORIC ACID	0	0	0	250	0	250
SODIUM HYDROXIDE (SOLUTION)	0	0	0	250	0	250
TOLUENE	207495	0	0	0	57651	265146
COMPANY TOTAL:	835945	0	250	117750	277201	1231146
COMPANY: RIDGEWAY CLOCKS						
ACETONE	34045	0	0	0	0	34045
DI(2-ETHYLHEXYL) PHTHALATE	22561	0	0	0	0	22561
GLYCOL ETHERS	18282	0	0	0	0	18282
METHANOL	12945	0	0	0	0	12945
METHYL ETHYL KETONE	37397	0	0	0	0	37397
N-BUTYL ALCOHOL	11247	0	0	0	0	11247
TOLUENE	50012	0	0	0	0	50012
XYLENE (MIXED ISOMERS)	30533	0	0	0	0	30533
COMPANY TOTAL:	217022	0	0	0	0	217022

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: SOUTHEASTERN ADHESIVES						
AMMONIA	5200	0	500	0	0	5700
FORMALDEHYDE	7700	0	200	15000	0	22900
METHANOL	2550	0	1500	0	0	4050
COMPANY TOTAL:	15450	0	2200	15000	0	32650
COMPANY: STANLEY FURNITURE COMPANY - STANLEYTOWN						
ACETONE	79799	0	0	250	250	80299
METHANOL	260070	0	0	27	1	260098
N-BUTYL ALCOHOL	96298	0	0	250	250	96798
TOLUENE	249559	0	0	250	250	250059
XYLENE (MIXED ISOMERS)	55818	0	0	250	250	56318
COMPANY TOTAL:	741544	0	0	1027	1001	743572
COUNTY TOTAL:	4374753	0	2450	158286	278202	4813691
COUNTY: ISLE OF WIGHT						
COMPANY: GWALTNEY OF SMITHFIELD, LTD.						
CHLORINE	0	38000	0	0	0	38000
COMPANY TOTAL:	0	38000	0	0	0	38000
COMPANY: SMITHFIELD PACKING CO., INC.						
CHLORINE	0	27000	0	0	0	27000
COMPANY TOTAL:	0	27000	0	0	0	27000
COUNTY TOTAL:	0	65000	0	0	0	65000
COUNTY: JAMES CITY						
COMPANY: OWENS-ILLINOIS GLASS CONTAINER INC.						
AMMONIA	6700	0	0	0	0	6700
COMPANY TOTAL:	6700	0	0	0	0	6700
COUNTY TOTAL:	6700	0	0	0	0	6700
COUNTY: KING AND QUEEN						
COMPANY: SOUTHERN TREATING COMPANY						
ARSENIC COMPOUNDS	250	0	0	0	250	500
CHROMIUM COMPOUNDS	250	0	0	0	250	500
COPPER COMPOUNDS	250	0	0	0	250	500
COMPANY TOTAL:	750	0	0	0	750	1500

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: TAPPA ENTERPRISES, INC.						
ASBESTOS (FRIABLE)	250	0	0	0	250	500
COMPANY TOTAL:	250	0	0	0	250	500
COUNTY TOTAL:	1000	0	0	0	1000	2000
COUNTY: KING GEORGE						
COMPANY: LEBANON AGRICORP - PIEDMONT FERTILIZER						
AMMONIA	18	0	0	0	0	18
AMMONIUM SULFATE (SOLUTION)	18	0	0	0	0	18
PHOSPHORIC ACID	129	0	0	0	0	129
COMPANY TOTAL:	165	0	0	0	0	165
COUNTY TOTAL:	165	0	0	0	0	165
COUNTY: KING WILLIAM						
COMPANY: CHESAPEAKE CORPORATION						
ACETONE	54750	250	0	0	250	55250
AMMONIA	250	0	0	0	0	250
CATECHOL	0	1500	0	0	250	1750
CHLORINE	28750	0	0	0	0	28750
CHLORINE DIOXIDE	19750	0	0	0	0	19750
CHLOROFORM	43750	2500	0	0	250	46500
HYDROCHLORIC ACID	78000	0	0	0	0	78000
METHANOL	290250	0	0	0	0	290250
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	500	0	0	0	0	500
SULFURIC ACID	130250	0	0	0	0	130250
COMPANY TOTAL:	646250	4250	0	0	750	651250
COMPANY: LEBANON AGRICORP - OLD DOMINION FERTILIZER						
AMMONIA	2710	0	0	0	0	2710
AMMONIUM SULFATE (SOLUTION)	27	0	0	0	0	27
PHOSPHORIC ACID	224	0	0	0	0	224
COMPANY TOTAL:	2961	0	0	0	0	2961
COUNTY TOTAL:	649211	4250	0	0	750	654211
COUNTY: LEE						
COMPANY: QUALTEX STERILE PRODUCTS DIVISION						
ETHYLENE OXIDE	1000	0	0	0	0	1000
COMPANY TOTAL:	1000	0	0	0	0	1000

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED		TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COUNTY TOTAL:		1000	0	0	0	0	1000
COUNTY:	LOUDOUN						
COMPANY: AUTOMATA, INC. - STERLING							
	SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
	SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:		0	0	0	0	0	0
COMPANY: CREATIVE URETHANES INC.							
	1,1,1-TRICHLOROETHANE	14800	0	0	0	750	15550
	DICHLOROMETHANE	15163	0	0	0	0	15163
	FREON 113	34165	0	0	0	0	34165
COMPANY TOTAL:		64128	0	0	0	750	64878
COUNTY TOTAL:		64128	0	0	0	750	64878
COUNTY:	LUNENBURG						
COMPANY: LEA INDUSTRIES, PLANT #2							
	METHANOL	11404	0	0	0	408	11812
	METHYL ETHYL KETONE	24967	0	0	0	893	25860
	TOLUENE	51397	0	0	0	1840	53237
	XYLENE (MIXED ISOMERS)	20479	0	0	0	733	21212
COMPANY TOTAL:		108247	0	0	0	3874	112121
COMPANY: VIRGINIA MARBLE MANUFACTURERS, INC.							
	ACETONE	153836	0	0	0	0	153836
	STYRENE	14985	0	0	0	0	14985
COMPANY TOTAL:		168821	0	0	0	0	168821
COUNTY TOTAL:		277068	0	0	0	3874	280942
COUNTY:	MADISON						
COMPANY: MADISON WOOD PRESERVERS, INC.							
	ARSENIC COMPOUNDS	0	0	0	0	250	250
	CHROMIUM COMPOUNDS	0	0	0	0	250	250
	COPPER COMPOUNDS	0	0	0	0	250	250
COMPANY TOTAL:		0	0	0	0	750	750
COUNTY TOTAL:		0	0	0	0	750	750
COUNTY:	MECKLENBURG						
COMPANY: BURLINGTON INDUSTRIES - CLARKSVILLE COMBING PLANT							
	1,1,1-TRICHLOROETHANE	11105	0	0	0	4335	15440

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
PHOSPHORIC ACID	0	0	0	0	500	500
COMPANY TOTAL:	11105	0	0	0	4835	15940
COMPANY: BURLINGTON INDUSTRIES - CLARKSVILLE FINISHING PL.						
1,1,1-TRICHLOROETHANE	22685	0	0	0	4335	27020
1,2,4-TRICHLOROBENZENE	70574	16197	0	0	9255	96026
AMMONIUM SULFATE (SOLUTION)	0	36393	250	0	250	36893
BIPHENYL	15555	1647	0	0	4614	21816
CHLORINE	11143	19082	0	0	0	30225
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	10397	0	0	0	0	10397
COMPANY TOTAL:	130354	73319	250	0	18454	222377
COUNTY TOTAL:	141459	73319	250	0	23289	238317
COUNTY: MIDDLESEX						
COMPANY: PITTS LUMBER COMPANY INC.						
ARSENIC COMPOUNDS	250	0	0	0	0	250
CHROMIUM COMPOUNDS	250	0	0	0	0	250
COMPANY TOTAL:	500	0	0	0	0	500
COUNTY TOTAL:	500	0	0	0	0	500
COUNTY: MONTGOMERY						
COMPANY: ELECTRO-TEC						
1,1,1-TRICHLOROETHANE	10447	0	0	0	10447	20894
ACETONE	12800	0	0	0	4600	17400
COPPER	0	0	0	120	20	140
FREON 113	32081	0	0	0	1954	34035
COMPANY TOTAL:	55328	0	0	120	17021	72469
COMPANY: FEDERAL MOGUL CORP.						
AMMONIA	260	0	0	0	0	260
CHLORINE	3947	0	0	0	0	3947
COPPER COMPOUNDS	500	135	0	0	24703	25338
CYANIDE COMPOUNDS	415	5	0	0	1000	1420
HYDROCHLORIC ACID	1825	0	0	0	0	1825
LEAD COMPOUNDS	404	47	0	0	11156	11607
NITRIC ACID	250	0	0	0	0	250
SODIUM HYDROXIDE (SOLUTION)	500	0	0	0	0	500
SULFURIC ACID	1000	0	0	0	0	1000
TRICHLOROETHYLENE	63900	0	0	0	0	63900

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY TOTAL:	73001	187	0	0	36859	110047
COMPANY: HUBBELL INC. - LIGHTING DIVISION						
NITRIC ACID	0	0	0	0	33000	33000
PHOSPHORIC ACID	0	0	0	0	51800	51800
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	121100	121100
SULFURIC ACID	0	0	0	0	14490	14490
COMPANY TOTAL:	0	0	0	0	220390	220390
COMPANY: LITTON POLY-SCIENTIFIC .						
1,1,1-TRICHLOROETHANE	22291	0	0	0	51134	73425
DICHLOROMETHANE	29191	0	0	0	22800	51991
FREON 113	54999	0	0	0	40705	95704
COMPANY TOTAL:	106481	0	0	0	114639	221120
COMPANY: WOLVERINE GASKET & MANUFACTURING COMPANY						
METHYL ETHYL KETONE	5700	0	0	0	19600	25300
METHYL ISOBUTYL KETONE	360	0	0	0	5270	5630
TOLUENE	21900	0	0	0	7050	28950
COMPANY TOTAL:	27960	0	0	0	31920	59880
COUNTY TOTAL:	262770	187	0	120	420829	683906
COUNTY: NEW KENT						
COMPANY: L-WOOD, SOUTHERN PINE SPECIALISTS, INC.						
ARSENIC COMPOUNDS	250	0	0	0	750	1000
CHROMIUM COMPOUNDS	250	0	0	0	250	500
COMPANY TOTAL:	500	0	0	0	1000	1500
COUNTY TOTAL:	500	0	0	0	1000	1500
COUNTY: NORTHAMPTON						
COMPANY: AMERICAN ORIGINAL FOODS						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: LEBANON AGRICORP - CAPE CHARLES						
AMMONIA	9	0	0	0	0	9
PHOSPHORIC ACID	12	0	0	0	0	12
COMPANY TOTAL:	21	0	0	0	0	21
COUNTY TOTAL:	21	0	0	0	0	21

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COUNTY: NORTHUMBERLAND						
COMPANY: ZAPATA HAYNIE CORPORATION						
AMMONIA	0	0	0	0	0	0
ETHYLENE GLYCOL	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	0	0	0	0	0	0
COUNTY: NOTTOWAY						
COMPANY: HOLLY FARMS FOODS, INC. - CREWE FEED MILL						
COPPER	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: TAYLOR-RAMSEY CORPORATION - SE LUMBER DIVISION						
ARSENIC COMPOUNDS	250	0	0	0	250	500
CHROMIUM COMPOUNDS	250	0	0	0	250	500
COPPER COMPOUNDS	250	0	0	0	250	500
COMPANY TOTAL:	750	0	0	0	750	1500
COUNTY TOTAL:	750	0	0	0	750	1500
COUNTY: ORANGE						
COMPANY: AMERICAN PRESS, INC.						
DICHLOROMETHANE	10247	0	0	0	0	10247
COMPANY TOTAL:	10247	0	0	0	0	10247
COMPANY: INTERNATIONAL TELESERVICE CORPORATION						
FREON 113	14100	0	0	0	1950	16050
COMPANY TOTAL:	14100	0	0	0	1950	16050
COUNTY TOTAL:	24347	0	0	0	1950	26297
COUNTY: PAGE						
COMPANY: O'SULLIVAN CORPORATION						
METHYL ETHYL KETONE	10390	0	0	0	0	10390
COMPANY TOTAL:	10390	0	0	0	0	10390
COUNTY TOTAL:	10390	0	0	0	0	10390
COUNTY: PATRICK						
COMPANY: JPS ELASTOMERICS CORP - PATRICK						
ZINC COMPOUNDS	0	0	0	0	23550	23550

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED		TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY TOTAL:		0	0	0	0	23550	23550
COMPANY: MASONITE CORP. - STUART PLANT							
FORMALDEHYDE		44550	0	0	0	0	44550
COMPANY TOTAL:		44550	0	0	0	0	44550
COUNTY TOTAL:		44550	0	0	0	23550	68100
COUNTY: PITTSYLVANIA							
COMPANY: ALTAVISTA FINISHING PLANT							
AMMONIA		8341	226	0	0	0	8567
BIPHENYL		2695	1841	0	0	58	4594
CHLORINE		91	750	0	0	0	841
DIETHANOLAMINE		0	3126	0	0	32	3158
COMPANY TOTAL:		11127	5943	0	0	90	17160
COMPANY: FREEMAN RESINS							
ETHYLENE GLYCOL		500	250	0	250	500	1500
MALEIC ANHYDRIDE		500	250	0	0	250	1000
PHTHALIC ANHYDRIDE		500	250	0	0	250	1000
STYRENE		1000	250	0	250	250	1750
COMPANY TOTAL:		2500	1000	0	500	1250	5250
COMPANY: OWENS-ILLINOIS BROCKWAY GLASS INC. - PLANT #29							
BARIUM COMPOUNDS		250	0	0	0	250	500
DICHLOROMETHANE		11000	0	0	0	0	11000
COMPANY TOTAL:		11250	0	0	0	250	11500
COMPANY: TIMES FIBER COMMUNICATIONS, INC.							
1,1,1-TRICHLOROETHANE		134540	0	0	0	0	134540
COMPANY TOTAL:		134540	0	0	0	0	134540
COMPANY: VIRGINIA SOLITE COMPANY							
ACETONE		169	0	0	0	0	169
CYCLOHEXANE		25	0	0	0	0	25
METHANOL		105	0	0	0	0	105
METHYL ETHYL KETONE		230	0	0	0	0	230
METHYL ISOBUTYL KETONE		147	0	0	0	0	147
TOLUENE		281	0	0	0	0	281
XYLENE (MIXED ISOMERS)		243	0	0	0	0	243
COMPANY TOTAL:		1200	0	0	0	0	1200

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED		TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COUNTY TOTAL:		160617	6943	0	500	1590	169650
COUNTY:	PRINCE EDWARD						
COMPANY:	STACKPOLE BRUSH DIVISION						
	TRICHLOROETHYLENE	9735	0	0	0	2145	11880
	COMPANY TOTAL:	9735	0	0	0	2145	11880
	COUNTY TOTAL:	9735	0	0	0	2145	11880
COUNTY:	PRINCE WILLIAM						
COMPANY:	ATLANTIC RESEARCH CORPORATION PINE RIDGE						
	1,1,1-TRICHLOROETHANE	7200	0	0	0	18900	26100
	1,1,1-TRICHLOROETHANE	7400	0	0	0	0	7400
	ALUMINUM (FUME OR DUST)	250	0	0	0	0	250
	METHYL ETHYL KETONE	3600	0	0	0	7590	11190
	METHYL ETHYL KETONE	4200	0	0	0	5000	9200
	COMPANY TOTAL:	22650	0	0	0	31490	54140
	COUNTY TOTAL:	22650	0	0	0	31490	54140
COUNTY:	PULASKI						
COMPANY:	CONN-WELD INDUSTRIES, INC.						
	CHROMIUM	250	0	0	0	0	250
	NICKEL	250	0	0	0	0	250
	COMPANY TOTAL:	500	0	0	0	0	500
COMPANY:	ELECTROPLATE-RITE CORPORATION						
	HYDROCHLORIC ACID	1665	0	0	0	0	1665
	SODIUM HYDROXIDE (SOLUTION)	8390	0	0	0	0	8390
	SULFURIC ACID	1052	0	0	0	0	1052
	COMPANY TOTAL:	11107	0	0	0	0	11107
COMPANY:	JEFFERSON MILLS						
	1,1,1-TRICHLOROETHANE	13500	0	0	0	5435	18935
	COMPANY TOTAL:	13500	0	0	0	5435	18935
COMPANY:	MAGNOX PULASKI INCORPORATED						
	COBALT COMPOUNDS	33	63	0	0	1600	1696
	ZINC COMPOUNDS	49	16	0	0	13000	13065
	COMPANY TOTAL:	82	79	0	0	14600	14761

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: NEWBERN FINISHING PLANT						
AMMONIA	26115	486	0	0	0	26601
CHLORINE	1275	177	0	0	0	1452
COMPANY TOTAL:	27390	663	0	0	0	28053
COMPANY: PULASKI FURNITURE CORP. - PLANT 3						
ACETONE	92000	0	0	0	0	92000
DI(2-ETHYLHEXYL) PHTHALATE	42000	0	0	0	0	42000
METHANOL	51000	0	0	0	0	51000
METHYL ETHYL KETONE	43000	0	0	0	0	43000
TOLUENE	151000	0	0	0	0	151000
XYLENE (MIXED ISOMERS)	17000	0	0	0	0	17000
COMPANY TOTAL:	396000	0	0	0	0	396000
COMPANY: PULASKI FURNITURE CORP. - PULASKI PLANT						
ACETONE	37000	0	0	0	0	37000
DI(2-ETHYLHEXYL) PHTHALATE	37000	0	0	0	0	37000
GLYCOL ETHERS	19000	0	0	0	0	19000
METHANOL	31000	0	0	0	0	31000
METHYL ETHYL KETONE	25000	0	0	0	0	25000
TOLUENE	86000	0	0	0	0	86000
XYLENE (MIXED ISOMERS)	10000	0	0	0	0	10000
COMPANY TOTAL:	245000	0	0	0	0	245000
COMPANY: VOLVO GM HEAVY TRUCK CORPORATION						
1,1,1-TRICHLOROETHANE	13000	0	0	0	0	13000
ACETONE	160000	0	0	0	0	160000
ETHYLBENZENE	25000	0	0	0	0	25000
ETHYLENE GLYCOL	0	0	0	250	0	250
METHANOL	40000	0	0	0	0	40000
METHYL ETHYL KETONE	96000	0	0	0	0	96000
TOLUENE	190000	0	0	0	0	190000
XYLENE (MIXED ISOMERS)	190000	0	0	0	0	190000
COMPANY TOTAL:	714000	0	0	250	0	714250
COMPANY: WEST POINT PEPPERELL - BOND COTE PLANT						
ALUMINUM OXIDE	0	0	0	0	7800	7800
ANTIMONY COMPOUNDS	0	0	0	0	10260	10260
BARIIUM COMPOUNDS	0	0	0	0	10500	10500

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
GLYCOL ETHERS	12650	0	0	0	500	13150
LEAD COMPOUNDS	0	0	0	0	16100	16100
N-DIOCTYL PHTHALATE	250	0	0	0	19105	19355
TOLUENE	11050	0	0	0	500	11550
TOLUENE	11050	0	0	0	500	11550
COMPANY TOTAL:	35000	0	0	0	65265	100265
COUNTY TOTAL:	1442579	742	0	250	85300	1528871
COUNTY: RICHMOND						
COMPANY: WOOD PRESERVERS, INC.						
ANTHRACENE	301	0	0	0	250	551
ARSENIC COMPOUNDS	0	0	0	0	750	750
CHROMIUM COMPOUNDS	0	0	0	0	360	360
COPPER COMPOUNDS	0	0	0	0	162	162
DIBENZOFURAN	268	0	0	0	250	518
NAPHTHALENE	2807	0	0	0	250	3057
COMPANY TOTAL:	3376	0	0	0	2022	5398
COUNTY TOTAL:	3376	0	0	0	2022	5398
COUNTY: ROANOKE						
COMPANY: DRAGON CORPORATION						
CARBARYL	500	0	0	0	750	1250
COMPANY TOTAL:	500	0	0	0	750	1250
COUNTY TOTAL:	500	0	0	0	750	1250
COUNTY: ROCKBRIDGE						
COMPANY: BURKE-PARSONS-BOWLBY CORPORATION						
ANTHRACENE	500	0	0	0	0	500
ARSENIC	500	0	0	0	250	750
CHROMIUM	500	0	0	0	250	750
DIBENZOFURAN	500	0	0	0	0	500
NAPHTHALENE	1650	0	0	0	0	1650
COMPANY TOTAL:	3650	0	0	0	500	4150
COMPANY: LEES COMMERCIAL CARPET COMPANY						
ALUMINUM OXIDE	0	0	0	0	52000	52000
N-BUTYL ALCOHOL	0	1200	0	0	0	1200
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	1200	0	0	52000	53200

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: STILLWATER, INC.						
AMMONIA	0	0	0	0	0	0
SULFURIC ACID	0	0	250	0	0	250
COMPANY TOTAL:	0	0	250	0	0	250
COUNTY TOTAL:	3650	1200	250	0	52500	57600
COUNTY: ROCKINGHAM						
COMPANY: COORS BREWING COMPANY						
AMMONIA	250	1600	0	0	31318	33168
CHLORINE	250	17	0	0	0	267
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	20	0	0	0	4500	4520
COMPANY TOTAL:	520	1617	0	0	35818	37955
COMPANY: ETHAN ALLEN - BRIDGEWATER DIVISION						
METHYL ETHYL KETONE	13628	0	0	250	500	14378
TOLUENE	29940	0	0	250	500	30690
COMPANY TOTAL:	43568	0	0	500	1000	45068
COMPANY: MERCK & CO., INC.						
ACETONE	95000	30	0	0	0	95030
ACRYLONITRILE	1070	0	0	0	0	1070
AMMONIA	6400	26700	0	0	0	33100
CHLORINE	53	300	0	0	0	353
CHLOROMETHANE	241300	0	0	0	0	241300
CYCLOHEXANE	9720	30	0	0	0	9750
DIMETHYL SULFATE	1550	0	0	0	0	1550
HYDROCHLORIC ACID	82070	0	0	0	0	82070
METHANOL	82900	0	0	0	0	82900
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	132500	30	0	0	11	132541
COMPANY TOTAL:	652563	27090	0	0	11	679664
COMPANY: PADGETT MANUFACTURING CO., INC.						
TOLUENE	11290	0	0	0	0	11290
COMPANY TOTAL:	11290	0	0	0	0	11290

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: PERDUE, INC. - BRIDGEWATER						
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: ROCCO TURKEYS, INC.						
AMMONIA	15000	0	0	0	0	15000
CHLORINE	0	0	0	24300	0	24300
COMPANY TOTAL:	15000	0	0	24300	0	39300
COMPANY: ROCKINGHAM POULTRY, INC.						
AMMONIA	20260	0	0	0	0	20260
AMMONIA	14280	0	0	0	0	14280
CHLORINE	0	11850	0	0	0	11850
PHOSPHORIC ACID	0	15616	0	0	0	15616
COMPANY TOTAL:	34540	27466	0	0	0	62006
COMPANY: WAMPLER FOODS, INC. - PROCESSING PLANT						
AMMONIA	14500	0	0	0	0	14500
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	14500	0	0	0	0	14500
COUNTY TOTAL:	771981	56173	0	24800	36829	889783
COUNTY: SCOTT						
COMPANY: CYPRUS FOOTE MINERAL COMPANY						
HYDROCHLORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: LOUISIANA-PACIFIC CORPORATION						
FORMALDEHYDE	48326	0	0	0	0	48326
COMPANY TOTAL:	48326	0	0	0	0	48326
COMPANY: NI INDUSTRIES - AUTOMOTIVE TRIM DIVISION						
ALUMINUM OXIDE	5654	0	0	1041	870000	876695
CHROMIUM	500	0	0	30	13186	13716
NICKEL	500	0	0	10	4711	5221

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL ATR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	6654	0	0	1081	887897	895632
COUNTY TOTAL:	54980	0	0	1081	887897	943958
COUNTY: SHENANDOAH						
COMPANY: BORDEN, INC. - DAIRY DIVISION						
AMMONIA	2000	0	0	0	0	2000
SODIUM HYDROXIDE (SOLUTION)	0	0	0	320000	0	320000
SULFURIC ACID	0	0	0	180000	0	180000
COMPANY TOTAL:	2000	0	0	500000	0	502000
COMPANY: HOLLY FARMS FOODS, INC. - NEW MARKET FEED MILL						
COPPER SULFATE	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: MERRILLAT INDUSTRIES, INC. - MT. JACKSON						
ACETONE	15507	0	0	0	572	16079
METHANOL	104044	0	0	0	3946	107990
METHYL ETHYL KETONE	26662	0	0	0	1184	27846
N-BUTYL ALCOHOL	42069	0	0	0	1579	43648
TOLUENE	168461	0	0	0	6511	174972
XYLENE (MIXED ISOMERS)	38114	0	0	0	1579	39693
COMPANY TOTAL:	394857	0	0	0	15371	410228
COUNTY TOTAL:	396857	0	0	500000	15371	912228
COUNTY: SMYTH						
COMPANY: AMERICAN FURNITURE CO. - PLANT 12						
ACETONE	17708	0	0	0	0	17708
METHANOL	36550	0	0	0	0	36550
METHYL ETHYL KETONE	27687	0	0	0	0	27687
N-BUTYL ALCOHOL	12859	0	0	0	0	12859
TOLUENE	33061	0	0	0	0	33061
XYLENE (MIXED ISOMERS)	14508	0	0	0	0	14508
COMPANY TOTAL:	142373	0	0	0	0	142373
COMPANY: AMERICAN FURNITURE CO. - PLANT 3						
ACETONE	27184	0	0	0	0	27184
METHANOL	29519	0	0	0	0	29519
METHYL ETHYL KETONE	26903	0	0	0	0	26903

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
N-BUTYL ALCOHOL	16399	0	0	0	0	16399
TOLUENE	30330	0	0	0	0	30330
XYLENE (MIXED ISOMERS)	17931	0	0	0	0	17931
COMPANY TOTAL:	148266	0	0	0	0	148266
COMPANY: BRUNSWICK CORPORATION						
ACETONE	84403	0	0	0	47312	131715
METHYL ETHYL KETONE	75162	0	0	0	70954	146116
METHYL ISOBUTYL KETONE	21112	0	0	0	3482	24594
SULFURIC ACID	0	0	0	0	86130	86130
COMPANY TOTAL:	180677	0	0	0	207878	388555
COMPANY: DG MOULDINGS INC.						
ACETONE	307200	0	0	0	4250	311450
METHANOL	391700	0	0	0	5050	396750
METHYL ETHYL KETONE	158400	0	0	0	2250	160650
XYLENE (MIXED ISOMERS)	51950	0	0	0	1000	52950
COMPANY TOTAL:	909250	0	0	0	12550	921800
COMPANY: GENERAL SHALE PRODUCTS CORPORATION						
MANGANESE COMPOUNDS	200	0	0	0	0	200
COMPANY TOTAL:	200	0	0	0	0	200
COMPANY: GTE VALENITE CORPORATION						
FREON 113	19887	0	0	0	0	19887
COMPANY TOTAL:	19887	0	0	0	0	19887
COMPANY: MERRILLAT INDUSTRIES, INC. - ATKINS						
N-BUTYL ALCOHOL	52042	0	0	0	0	52042
TOLUENE	110374	0	0	0	0	110374
XYLENE (MIXED ISOMERS)	46879	0	0	0	0	46879
COMPANY TOTAL:	209295	0	0	0	0	209295
COMPANY: PEPSI COLA GENERAL BOTTLING						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	38500	0	38500
COMPANY TOTAL:	0	0	0	38500	0	38500
COMPANY: TEXASGULF, INC. - SALTVILLE OPERATIONS						
HYDROGEN FLUORIDE	1500	0	0	0	0	1500
PHOSPHORIC ACID	0	0	0	0	0	0

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	1500	0	0	0	0	1500
COMPANY: VIRGINIA HOUSE FURNITURE CORP. - PLANT 1						
ACETONE	14077	0	0	0	0	14077
METHANOL	69004	0	0	0	0	69004
METHYL ETHYL KETONE	50005	0	0	0	0	50005
TOLUENE	66088	0	0	0	0	66088
XYLENE (MIXED ISOMERS)	82022	0	0	0	0	82022
COMPANY TOTAL:	281196	0	0	0	0	281196
COMPANY: VIRGINIA HOUSE FURNITURE CORP. - PLANT 2						
METHANOL	22000	0	0	0	0	22000
METHYL ETHYL KETONE	45002	0	0	0	0	45002
N-BUTYL ALCOHOL	11000	0	0	0	0	11000
TOLUENE	40028	0	0	0	0	40028
XYLENE (MIXED ISOMERS)	33000	0	0	0	0	33000
COMPANY TOTAL:	151030	0	0	0	0	151030
COUNTY TOTAL:	2043674	0	0	38500	220428	2302602
COUNTY: SOUTHAMPTON						
COMPANY: ATLANTIC WOOD INDUSTRIES, INC. - NEWSOMS						
ARSENIC COMPOUNDS	0	0	0	0	2600	2600
CHROMIUM COMPOUNDS	0	0	0	0	2900	2900
COPPER COMPOUNDS	0	0	0	0	1700	1700
COMPANY TOTAL:	0	0	0	0	7200	7200
COUNTY TOTAL:	0	0	0	0	7200	7200
COUNTY: SPOTSYLVANIA						
COMPANY: CHESAPEAKE WOOD TREATING COMPANY						
ARSENIC COMPOUNDS	250	0	0	0	250	500
CHROMIUM COMPOUNDS	250	0	0	0	250	500
COPPER COMPOUNDS	250	0	0	0	250	500
COMPANY TOTAL:	750	0	0	0	750	1500
COMPANY: EXPOSAIC INDUSTRIES INC. OF VIRGINIA						
HYDROCHLORIC ACID	0	0	43000	0	0	43000
COMPANY TOTAL:	0	0	43000	0	0	43000

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: GENERAL MOTORS, DELCO MORAIN DIVISION						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: GENERAL PRODUCTS COMPANY, INC.						
METHYL ETHYL KETONE	655454	0	0	0	500	655954
METHYLENEBIS(PHENYLISOCYANATE)	2	0	0	0	750	752
XYLENE (MIXED ISOMERS)	60119	0	0	0	0	60119
COMPANY TOTAL:	715575	0	0	0	1250	716825
COUNTY TOTAL:	716325	0	43000	0	2000	761325
COUNTY: STAFFORD						
COMPANY: COLONIAL CIRCUITS, INC.						
SODIUM HYDROXIDE (SOLUTION)	250	0	0	0	0	250
SULFURIC ACID	250	0	0	0	0	250
COMPANY TOTAL:	500	0	0	0	0	500
COUNTY TOTAL:	500	0	0	0	0	500
COUNTY: SUSSEX						
COMPANY: MASONITE CORP. - WAVERLY						
ACETONE	36000	0	0	0	1200	37200
FORMALDEHYDE	65300	0	0	0	0	65300
METHYL ETHYL KETONE	22000	0	0	0	3800	25800
TOLUENE	78000	0	0	0	3000	81000
XYLENE (MIXED ISOMERS)	7000	0	0	0	2000	9000
COMPANY TOTAL:	208300	0	0	0	10000	218300
COMPANY: SPURLOCK COMPANY						
AMMONIA	1019	0	0	0	0	1019
FORMALDEHYDE	3157	0	0	0	0	3157
METHANOL	8616	0	0	0	0	8616
COMPANY TOTAL:	12792	0	0	0	0	12792
COUNTY TOTAL:	221092	0	0	0	10000	231092
COUNTY: TAZEWELL						
COMPANY: BLUEFIELD BEVERAGE COMPANY						
PHOSPHORIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: VIRGINIAN METAL PRODUCTS COMPANY, INC.						
ALUMINUM (FUME OR DUST)	250	0	0	0	0	250
MANGANESE	250	0	0	0	0	250
COMPANY TOTAL:	500	0	0	0	0	500
COUNTY TOTAL:	500	0	0	0	0	500
COUNTY: WARREN						
COMPANY: AVTEX FIBERS FRONT ROYAL INC.						
CARBON DISULFIDE	34000000	0	40000	0	0	34040000
CARBONYL SULFIDE	410000	0	0	0	0	410000
CHLORINE	0	200	0	0	0	200
SODIUM HYDROXIDE (SOLUTION)	0	250	93000	0	0	93250
SULFURIC ACID	250	250	32000	0	0	32500
ZINC (FUME OR DUST)	0	43000	3206000	0	0	3249000
COMPANY TOTAL:	34410250	43700	3371000	0	0	37824950
COMPANY: DU PONT - FRONT ROYAL PLANT						
ACETONE	13750	0	0	0	460500	474250
ACRYLONITRILE	250	0	0	0	0	250
BARIUM COMPOUNDS	0	0	0	0	750	750
BUTYL ACRYLATE	500	0	0	0	750	1250
BUTYL BENZYL PHTHALATE	500	0	0	0	8100	8600
DIBUTYL PHTHALATE	500	0	0	0	750	1250
ETHYL ACRYLATE	500	0	0	0	8100	8600
GLYCOL ETHERS	1000	0	0	0	750	1750
LEAD COMPOUNDS	250	0	0	0	21650	21900
METHANOL	500	0	0	0	750	1250
METHYL ACRYLATE	500	0	0	0	750	1250
METHYL ETHYL KETONE	2350	0	0	0	115100	117450
METHYL ISOBUTYL KETONE	500	0	0	0	250	750
METHYL METHACRYLATE	1000	0	0	0	4200	5200
N-BUTYL ALCOHOL	1250	0	0	0	500	1750
PHTHALIC ANHYDRIDE	250	0	0	0	1200	1450
STYRENE	500	0	0	0	750	1250
TOLUENE	20500	0	0	0	691600	712100
XYLENE (MIXED ISOMERS)	13200	0	0	0	224950	238150
ZINC COMPOUNDS	250	0	0	0	750	1000
COMPANY TOTAL:	58050	0	0	0	1542150	1600200

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: SHENANDOAH FIBERGLASS PRODUCTION COMPANY						
STYRENE	4100	0	0	0	0	4100
COMPANY TOTAL:	4100	0	0	0	0	4100
COUNTY TOTAL:	34472400	43700	3371000	0	1542150	39429250
COUNTY: WASHINGTON						
COMPANY: APPALACHIAN PLASTICS, INC.						
ACETONE	32880	0	0	0	0	32880
STYRENE	13000	0	0	0	0	13000
COMPANY TOTAL:	45880	0	0	0	0	45880
COMPANY: MORRISON MOLDED FIBER GLASS COMPANY						
1,1,1-TRICHLOROETHANE	463	0	0	0	0	463
ANTIMONY COMPOUNDS	1311	0	0	0	0	1311
CHROMIUM COMPOUNDS	10	0	0	0	0	10
DECABROMODIPHENYL OXIDE	3343	0	0	0	0	3343
DICHLOROMETHANE	11125	0	0	0	0	11125
LEAD COMPOUNDS	5	0	0	0	0	5
STYRENE	53959	0	0	0	0	53959
COMPANY TOTAL:	70216	0	0	0	0	70216
COMPANY: STERLING CASKET HARDWARE CO.						
1,1,1-TRICHLOROETHANE	10800	0	0	0	0	10800
COMPANY TOTAL:	10800	0	0	0	0	10800
COMPANY: WESTINGHOUSE ELECTRIC CORP. - EMD						
COPPER	250	0	0	0	0	250
CRESOL (MIXED ISOMERS)	7050	0	0	0	15000	22050
PHENOL	12250	0	0	0	21000	33250
XYLENE (MIXED ISOMERS)	6350	0	0	0	3900	10250
COMPANY TOTAL:	25900	0	0	0	39900	65800
COUNTY TOTAL:	152796	0	0	0	39900	192696
COUNTY: WESTMORELAND						
COMPANY: POTOMAC SUPPLY CORPORATION						
ARSENIC COMPOUNDS	0	0	0	0	250	250
CHROMIUM COMPOUNDS	0	0	0	0	250	250
COPPER COMPOUNDS	0	0	0	0	250	250
COMPANY TOTAL:	0	0	0	0	750	750

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
<hr/>						
COUNTY: WILLIAMSBURG						
COMPANY: MANN INDUSTRIES, INC.						
	COUNTY TOTAL:	0	0	0	750	750
GLYCOL ETHERS	250	2200	0	0	0	2450
ZINC COMPOUNDS	250	1678	200400	0	10960	213288
COMPANY TOTAL:	500	3878	200400	0	10960	215738
COUNTY TOTAL:	500	3878	200400	0	10960	215738
COUNTY: WINCHESTER						
COMPANY: HENKEL HARRIS COMPANY, INC.						
METHANOL	13736	0	0	0	0	13736
TOLUENE	62600	0	0	0	0	62600
XYLENE (MIXED ISOMERS)	15387	0	0	0	0	15387
COMPANY TOTAL:	91723	0	0	0	0	91723
COUNTY TOTAL:	91723	0	0	0	0	91723
COUNTY: WYTHE						
COMPANY: ALCO CONTROLS DIVISION						
1,1,1-TRICHLOROETHANE	169000	0	0	0	190000	359000
COPPER	273	0	0	250	0	523
NITRIC ACID	951	0	0	12661	6210	19822
PROPYLENE	14144	0	0	0	0	14144
SODIUM HYDROXIDE (SOLUTION)	225	0	0	14863	7290	22378
SULFURIC ACID	850	0	0	27524	13500	41874
COMPANY TOTAL:	185443	0	0	55298	217000	457741
COMPANY: CAMCAR TEXTRON AMSCO DIVISION						
CHROMIUM	0	0	0	57	2407	2464
HYDROCHLORIC ACID	1796	0	0	0	0	1796
MANGANESE	0	0	0	250	500	750
NITRIC ACID	544	0	0	0	0	544
PHOSPHORIC ACID	376	0	0	0	0	376
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	2716	0	0	307	2907	5930
COMPANY: KINGSTON-WARREN CORPORATION						
XYLENE (MIXED ISOMERS)	10179	0	0	0	2173	12352
COMPANY TOTAL:	10179	0	0	0	2173	12352

APPENDIX G - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY COUNTY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: MORTON INTERNATIONAL						
ACETONE	13000	0	0	0	0	13000
BARIUM COMPOUNDS	250	0	0	250	16000	16500
COMPANY TOTAL:	13250	0	0	250	16000	29500
COMPANY: POLPENCO						
ETHYLENE GLYCOL	1000	0	0	32000	250	33250
METHYL METHACRYLATE	10250	0	0	0	0	10250
TRICHLOROETHYLENE	753	0	0	39797	0	40550
COMPANY TOTAL:	12003	0	0	71797	250	84050
COUNTY TOTAL:	223591	0	0	127652	238330	589573
COUNTY: YORK						
COMPANY: AMOCO OIL COMPANY - YORKTOWN REFINERY						
1,2,4-TRIMETHYLBENZENE	102000	0	3000	0	0	105000
1,3-BUTADIENE	27	0	0	0	0	27
ALUMINUM OXIDE	459000	0	16000	0	0	475000
BENZENE	44000	0	0	0	0	44000
CHLORINE	350	0	0	0	0	350
ETHYLBENZENE	42200	0	1300	0	0	43500
ETHYLENE	18000	0	0	0	0	18000
METHANOL	6580	0	0	0	0	6580
METHYL TERT-BUTYL ETHER	4482	0	0	0	0	4482
NAPHTHALENE	1590	0	7700	0	0	9290
PHOSPHORIC ACID	0	0	51000	0	0	51000
PROPYLENE	35000	0	0	0	0	35000
TOLUENE	194000	0	0	0	0	194000
XYLENE (MIXED ISOMERS)	212000	0	22000	0	0	234000
COMPANY TOTAL:	1119229	0	101000	0	0	1220229
COUNTY TOTAL:	1119229	0	101000	0	0	1220229

APPENDIX H

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

Section 313 of SARA Title III requires certain manufacturing facilities to submit reports each year on the amounts of toxic chemicals they release into the environment, either routinely or as a result of accidents. Reports contain information on toxic chemical releases to the air, water and land as well as transfers to publicly owned treatment works (POTWs) and other off-site locations. These reports are submitted to the Virginia Emergency Response Council and the Environmental Protection Agency (EPA). Currently, there are approximately 320 listed toxic chemicals. For calendar year 1988, 438 facilities reported on 1584 toxic chemical releases. Virginia was ranked eleventh in the nation for total releases and transfers of toxic chemicals by EPA. Appendix H lists the releases by city.						
CITY: ALEXANDRIA						
COMPANY: EMBASSY DAIRY INC.						
AMMONIA	1110	0	0	0	0	1110
COMPANY TOTAL:	1110	0	0	0	0	1110
COMPANY: MID-ATLANTIC COCA-COLA BOTTLING COMPANY, INC.						
PHOSPHORIC ACID	0	0	0	1487	0	1487
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	1487	0	1487
COUNTY TOTAL:	1110	0	0	1487	0	2597
CITY: BEDFORD						
COMPANY: RUBATEX CORPORATION - PLANT NO. 1						
ANTIMONY COMPOUNDS	500	0	0	0	0	500
N-DIOCTYL PHTHALATE	500	0	0	0	0	500
ZINC COMPOUNDS	500	0	0	0	0	500
COMPANY TOTAL:	1500	0	0	0	0	1500
COMPANY: RUBATEX CORPORATION - PLANT NO. 2						
1,1,1-TRICHLOROETHANE	10250	0	0	0	0	10250
METHYL ETHYL KETONE	495839	0	0	0	1236	497075
TOLUENE	127674	0	0	0	11674	139348
XYLENE (MIXED ISOMERS)	14754	0	0	0	250	15004
COMPANY TOTAL:	648517	0	0	0	13160	661677
COMPANY: RUBATEX CORPORATION - WALTEX NO. 3						
ACETONE	250	0	0	0	500	750
METHYL ETHYL KETONE	250	0	0	0	500	750
TOLUENE	250	0	0	0	1000	1250
COMPANY TOTAL:	750	0	0	0	2000	2750

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY: SAM MOORE FURNITURE INDUSTRIES, INC.						
METHANOL	18650	0	0	0	750	19400
TOLUENE	12350	0	0	0	250	12600
COMPANY TOTAL:	31000	0	0	0	1000	32000
COUNTY TOTAL:	681767	0	0	0	16160	697927
CITY: BRISTOL						
COMPANY: BRISTOL COMPRESSORS, INC.						
1,1,1-TRICHLOROETHANE	149426	60	0	0	0	149486
HYDROCHLORIC ACID	200	30000	0	0	0	30200
COMPANY TOTAL:	149626	30060	0	0	0	179686
COMPANY: FACET FUEL SYSTEMS						
ALUMINUM (FUME OR DUST)	30	7	0	3	483	523
ZINC (FUME OR DUST)	10	5	0	2	578	595
COMPANY TOTAL:	40	12	0	5	1061	1118
COMPANY: FLAV-O-RICH, INC.						
PHOSPHORIC ACID	0	0	0	39591	0	39591
SODIUM HYDROXIDE (SOLUTION)	0	0	0	55654	0	55654
COMPANY TOTAL:	0	0	0	95245	0	95245
COMPANY: MOORE'S QUALITY SNACK FOOD						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	45000	0	45000
COMPANY TOTAL:	0	0	0	45000	0	45000
COMPANY: REYNOLDS METALS - BRISTOL						
CYCLOHEXANE	14488	0	0	0	0	14488
COMPANY TOTAL:	14488	0	0	0	0	14488
COMPANY: SANDVIK ROCK TOOLS, INC.						
1,1,1-TRICHLOROETHANE	22496	0	0	0	0	22496
BENZOYL PEROXIDE	0	0	0	0	17700	17700
STYRENE	1050	0	0	0	3510	4560
COMPANY TOTAL:	23546	0	0	0	21210	44756
COUNTY TOTAL:	187700	30072	0	140250	22271	380293

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

CITY: BUENA VISTA						
COMPANY: BLUE BIRD EAST						
ETHYLENE GLYCOL	0	0	0	0	0	0
N-BUTYL ALCOHOL	14494	0	0	0	0	14494
TOLUENE	25016	0	0	0	0	25016
XYLENE (MIXED ISOMERS)	32365	0	0	0	19700	52065
COMPANY TOTAL:	71875	0	0	0	19700	91575
COMPANY: MODINE MANUFACTURING COMPANY						
COPPER	3	0	0	0	4	7
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	3	0	0	0	4	7
COMPANY: REEVES BROTHERS, INC. - VULCAN PLANT						
METHYL ETHYL KETONE	250000	250	0	250	0	250500
TOLUENE	996000	750	0	250	0	997000
COMPANY TOTAL:	1246000	1000	0	500	0	1247500
COUNTY TOTAL:	1317878	1000	0	500	19704	1339082
CITY: CHARLOTTESVILLE						
COMPANY: COMDIAL CORPORATION						
1,1,1-TRICHLOROETHANE	84600	0	0	5400	5400	95400
FREON 113	63300	0	0	0	47800	111100
LEAD	0	0	0	0	2700	2700
TOLUENE	17900	0	0	0	14000	31900
COMPANY TOTAL:	165800	0	0	5400	69900	241100
COMPANY: GE FANUC AUTOMATION, NORTH AMERICA						
1,1,1-TRICHLOROETHANE	43400	3	0	0	228	43631
AMMONIA	5800	0	0	0	0	5800
DICHLOROMETHANE	74000	0	0	0	539	74539
FREON 113	46000	0	0	0	180	46180
SULFURIC ACID	0	0	0	0	13000	13000
COMPANY TOTAL:	169200	3	0	0	13947	183150
COMPANY: IVY INDUSTRIES, INC.						
ACETONE	316	0	0	0	2628	2944
DI(2-ETHYLHEXYL) PHTHALATE	2264	0	0	0	250	2514
GLYCOL ETHERS	3000	0	0	0	250	3250

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
METHANOL	7319	0	0	0	250	7569
METHYL ETHYL KETONE	3579	0	0	0	250	3829
METHYL ISOBUTYL KETONE	58	0	0	0	0	58
N-BUTYL ALCOHOL	840	0	0	0	250	1090
TOLUENE	37267	0	0	0	4788	42055
XYLENE (MIXED ISOMERS)	8784	0	0	0	750	9534
COMPANY TOTAL:	63427	0	0	0	9416	72843
COMPANY: SPERRY MARINE INC.						
1,1,1-TRICHLOROETHANE	14297	0	0	0	0	14297
FREON 113	48766	0	0	0	0	48766
COMPANY TOTAL:	63063	0	0	0	0	63063
COUNTY TOTAL:	461490	3	0	5400	93263	560156
CITY: CHESAPEAKE						
COMPANY: CARGILL, INC.						
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: HUNTSMAN CHEMICAL CORPORATION						
ANTIMONY COMPOUNDS	0	0	0	0	750	750
BENZOYL PEROXIDE	0	0	0	0	33	33
DECABROMODIPHENYL OXIDE	21	0	0	0	250	271
ETHYLBENZENE	3760	0	0	0	0	3760
HYDROCHLORIC ACID	0	0	0	1	0	1
STYRENE	217000	0	0	0	2707	219707
XYLENE (MIXED ISOMERS)	258	0	0	0	0	258
ZINC COMPOUNDS	3	0	0	480	312	795
COMPANY TOTAL:	221042	0	0	481	4052	225575
COMPANY: LEBANON AGRICORP - CHESAPEAKE FERTILIZER						
AMMONIA	24	0	0	0	0	24
AMMONIUM SULFATE (SOLUTION)	25	0	0	0	0	25
PHOSPHORIC ACID	188	0	0	0	0	188
COMPANY TOTAL:	237	0	0	0	0	237
COMPANY: NORFOLK STEEL CORPORATION						
CADMIUM COMPOUNDS	15	0	0	0	0	15
CHROMIUM COMPOUNDS	16	0	0	0	0	16
LEAD COMPOUNDS	617	0	0	0	0	617

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
MANGANESE COMPOUNDS	390	0	0	0	0	390
COMPANY TOTAL:	1038	0	0	0	0	1038
COMPANY: ROYSTER CHESAPEAKE						
AMMONIA	210000	0	0	0	0	210000
COPPER COMPOUNDS	250	250	0	0	0	500
LEAD COMPOUNDS	250	250	0	0	0	500
MANGANESE COMPOUNDS	250	1400	0	0	0	1650
SULFURIC ACID	0	0	0	0	0	0
ZINC COMPOUNDS	750	3000	0	0	0	3750
COMPANY TOTAL:	211500	4900	0	0	0	216400
COMPANY: SOUTHERN STATES COOPERATIVE, INC. FERTILIZER DIV.						
AMMONIA	100	0	0	0	0	100
AMMONIUM NITRATE (SOLUTION)	200	0	0	0	0	200
COPPER	0	0	0	0	0	0
MANGANESE	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
ZINC (FUME OR DUST)	0	0	0	0	0	0
COMPANY TOTAL:	300	0	0	0	0	300
COMPANY: SOUTHLAND INDUSTRIES INC.						
DI(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	40000	40000
COMPANY TOTAL:	0	0	0	0	40000	40000
COMPANY: TEXACO REFINING & MARKETING INCORPORATED						
ZINC COMPOUNDS	0	250	0	0	0	250
COMPANY TOTAL:	0	250	0	0	0	250
COMPANY: WEYERHAEUSER COMPANY						
METHANOL	46400	0	0	0	0	46400
COMPANY TOTAL:	46400	0	0	0	0	46400
COUNTY TOTAL:	480517	5150	0	481	44052	530200
CITY: COLONIAL HEIGHTS						
COMPANY: BENJAMIN MOORE & COMPANY - COLONIAL HEIGHTS						
ETHYLENE GLYCOL	73	0	0	0	0	73
GLYCOL ETHERS	48	0	0	0	0	48
ZINC COMPOUNDS	234	0	0	0	712	946
COMPANY TOTAL:	355	0	0	0	712	1067

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: COLONIAL HEIGHTS PACKAGING INC.						
TOLUENE	223156	0	0	0	23136	246292
COMPANY TOTAL:	223156	0	0	0	23136	246292
COMPANY: SOLA OPTICAL USA, INC.						
DICHLOROMETHANE	50000	0	0	250	0	50250
FREON 113	126000	0	0	750	0	126750
SODIUM HYDROXIDE (SOLUTION)	0	0	0	250	0	250
SULFURIC ACID	0	0	0	18000	0	18000
VINYL ACETATE	250	0	0	0	0	250
COMPANY TOTAL:	176250	0	0	19250	0	195500
COMPANY: STOREYS TRANSPRINTS, INC. - COLONIAL HEIGHTS						
METHYL ETHYL KETONE	490000	0	0	0	0	490000
METHYL ISOBUTYL KETONE	82000	0	0	0	0	82000
TOLUENE	300000	0	0	0	0	300000
COMPANY TOTAL:	872000	0	0	0	0	872000
COUNTY TOTAL:	1271761	0	0	19250	23848	1314859
CITY: COVINGTON						
COMPANY: HERCULES INCORPORATED - COVINGTON						
ACRYLIC ACID	500	250	0	0	0	750
HYDROCHLORIC ACID	2621	0	0	0	0	2621
METHYL METHACRYLATE	500	250	0	0	0	750
VINYLDIENE CHLORIDE	8882	250	0	0	0	9132
COMPANY TOTAL:	12503	750	0	0	0	13253
COMPANY: WESTVACO - BLEACHED BOARD DIVISION						
ACETONE	212750	2700	5500	0	0	220950
AMMONIA	74250	52000	0	0	0	126250
CATECHOL	500	250	750	0	0	1500
CHLORINE	670250	0	0	0	0	670250
CHLORINE DIOXIDE	69250	0	0	0	0	69250
CHLOROFORM	1221000	2600	690	0	0	1224290
HYDROCHLORIC ACID	1400250	0	0	0	0	1400250
METHANOL	8762000	0	630000	0	0	9392000
PHOSPHORIC ACID	500	0	0	0	0	500
SODIUM HYDROXIDE (SOLUTION)	16500	0	11000	253894	0	281394
SULFURIC ACID	230250	0	0	0	0	230250

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY TOTAL:	12657500	57550	647940	253894	0	13616884
COMPANY: WESTVACO - CHEMICAL DIVISION						
HYDROCHLORIC ACID	47	0	0	0	960000	960047
METHANOL	6100000	0	0	0	12000	6112000
PHOSPHORIC ACID	193600	0	0	0	160000	353600
COMPANY TOTAL:	6293647	0	0	0	1132000	7425647
COUNTY TOTAL:	18963650	58300	647940	253894	1132000	21055784
CITY: DANVILLE						
COMPANY: CORNING GLASS WORKS						
BARIUM COMPOUNDS	500	250	0	0	4000	4750
LEAD COMPOUNDS	500	250	0	0	4200	4950
NITRIC ACID	500	0	0	0	0	500
SODIUM HYDROXIDE (SOLUTION)	250	0	0	0	0	250
ZINC COMPOUNDS	500	250	0	0	1900	2650
COMPANY TOTAL:	2250	750	0	0	10100	10100
COMPANY: DAN RIVER INC. - CHEMICAL PRODUCTS DIVISION						
ACETONE	1160	0	0	0	0	1160
ACRYLIC ACID	220	0	0	300	0	520
CHLOROMETHANE	12580	0	0	30	0	12610
ETHYLENE GLYCOL	1801	0	0	1	0	1802
FORMALDEHYDE	2980	0	0	170	0	3150
HYDROCHLORIC ACID	3320	0	0	0	0	3320
MALEIC ANHYDRIDE	794	0	0	0	0	794
METHANOL	4530	0	0	2700	0	7230
METHYL ETHYL KETONE	2860	0	0	0	0	2860
METHYL METHACRYLATE	20	0	0	40	0	60
NITRIC ACID	2570	0	0	420	0	2990
PYRIDINE	810	0	0	44	8080	8934
TOLUENE	135000	0	0	0	26000	161000
VINYL ACETATE	4800	0	0	120	0	4920
COMPANY TOTAL:	173445	0	0	3825	34080	211350
COMPANY: DAN RIVER INC. - RIVERSIDE DIV. LONG MILL & SHOPS						
ETHYLENE GLYCOL	0	0	0	3300	0	3300
SODIUM HYDROXIDE (SOLUTION)	0	0	0	195000	0	195000
COMPANY TOTAL:	0	0	0	198300	0	198300

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: DAN RIVER INC. - SCHOOLFIELD COMPLEX						
1,1,1-TRICHLOROETHANE	30000	0	0	0	0	30000
1,2,4-TRICHLOROBENZENE	6	0	0	12500	0	12506
CHLORINE	2500	0	0	0	0	2500
ETHYLENE GLYCOL	0	0	0	23000	0	23000
METHANOL	173300	0	0	0	0	173300
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	28	0	0	0	0	28
COMPANY TOTAL:	205834	0	0	35500	0	241334
COMPANY: DISSTON COMPANY						
TRICHLOROETHYLENE	126600	0	0	0	3276	129876
COMPANY TOTAL:	126600	0	0	0	3276	129876
COMPANY: GOODYEAR TIRE & RUBBER COMPANY						
COBALT COMPOUNDS	0	0	0	0	630	630
HYDROCHLORIC ACID	0	0	0	0	0	0
METHANOL	48876	0	0	0	582	49458
TOLUENE	28326	0	0	0	1712	30038
XYLENE (MIXED ISOMERS)	43675	0	0	0	3555	47230
ZINC COMPOUNDS	594	0	0	0	76	670
COMPANY TOTAL:	121471	0	0	0	6555	128026
COMPANY: INTERTAPE, INC.						
TOLUENE	69130	0	0	0	0	69130
COMPANY TOTAL:	69130	0	0	0	0	69130
COMPANY: LEBANON CHEMICAL CORPORATION						
AMMONIA	2084	0	0	0	0	2084
PHOSPHORIC ACID	549	0	0	0	0	549
SULFURIC ACID	6	0	0	0	0	6
COMPANY TOTAL:	2639	0	0	0	0	2639
COMPANY: SUS-RAP PACKAGING						
1,1,1-TRICHLOROETHANE	18309	0	0	0	0	18309
COMPANY TOTAL:	18309	0	0	0	0	18309
COMPANY: WOOD FIBER INDUSTRIES						
AMMONIA	0	250	0	0	0	250

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
PHOSPHORIC ACID	0	0	0	0	0	0
TETRACHLOROETHYLENE	7400	0	0	0	0	7400
COMPANY TOTAL:	7400	250	0	0	0	7650
COUNTY TOTAL:	727078	1000	0	237625	54011	1019714
CITY: EMPORIA						
COMPANY: BELDING HAUSMAN, INC. - WELDON MILL						
1,1,1-TRICHLOROETHANE	24000	0	0	0	0	24000
COMPANY TOTAL:	24000	0	0	0	0	24000
COUNTY TOTAL:	24000	0	0	0	0	24000
CITY: FALLS CHURCH						
COMPANY: E-SYSTEMS, INC., MELPAR DIVISION - FALLS CHURCH						
1,1,1-TRICHLOROETHANE	13884	0	0	0	778	14662
COMPANY TOTAL:	13884	0	0	0	778	14662
COUNTY TOTAL:	13884	0	0	0	778	14662
CITY: FRANKLIN						
COMPANY: HERCULES INCORPORATED - FRANKLIN						
1,2-DICHLOROPROPANE	68370	7600	0	0	0	75970
ACETONE	556500	2370	4741	0	0	563611
AMMONIA	254	326	0	0	0	580
FORMALDEHYDE	1000	6723	4034	0	0	11757
HYDROCHLORIC ACID	500	0	0	0	0	500
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	626624	17019	8775	0	0	652418
COMPANY: UNION CAMP CORP. - BUILDING PRODUCTS DIVISION						
FORMALDEHYDE	6600	0	0	0	0	6600
COMPANY TOTAL:	6600	0	0	0	0	6600
COMPANY: UNION CAMP CORP. - FINE PAPER DIVISION						
ACETONE	6465	210	0	0	8	6683
AMMONIA	27270	340000	0	0	0	367270
CATECHOL	0	4000	0	0	150	4150
CHLORINE	151000	0	0	0	0	151000
CHLORINE DIOXIDE	86110	0	0	0	0	86110
CHLOROFORM	350000	2400	0	0	0	352400
HYDROCHLORIC ACID	180000	0	0	0	0	180000

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
METHANOL	136000	0	0	0	690	136690
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	59000	0	0	0	0	59000
COMPANY TOTAL:	995845	346610	0	0	848	1343303
COUNTY TOTAL:	1629069	363629	8775	0	848	2002321
CITY: FREDERICKSBURG						
COMPANY: PRINTPACK, INC.						
GLYCOL ETHERS	10708	0	0	0	2266	12974
TOLUENE	18608	0	0	0	1339	19947
COMPANY TOTAL:	29316	0	0	0	3605	32921
COUNTY TOTAL:	29316	0	0	0	3605	32921
CITY: GALAX						
COMPANY: AMERICAN MIRROR COMPANY, INC.						
SODIUM HYDROXIDE (SOLUTION)	0	4000	0	4000	0	8000
XYLENE (MIXED ISOMERS)	250	0	0	0	0	250
COMPANY TOTAL:	250	4000	0	4000	0	8250
COMPANY: CONSOLIDATED GLASS AND MIRROR CORPORATION						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	49945	0	49945
COMPANY TOTAL:	0	0	0	49945	0	49945
COMPANY: EMPIRE FURNITURE COMPANY - B.C. VAUGHAN PLANT						
ACETONE	25697	0	0	0	3743	29440
METHANOL	83432	0	0	0	635	84067
METHYL ETHYL KETONE	19570	0	0	0	2242	21812
TOLUENE	78551	0	0	0	8901	87452
XYLENE (MIXED ISOMERS)	18363	0	0	0	127	18490
COMPANY TOTAL:	225613	0	0	0	15648	241261
COMPANY: EMPIRE FURNITURE COMPANY - E.C. DODSON PLANT						
ACETONE	14015	0	0	0	2518	16533
METHYL ETHYL KETONE	13320	0	0	0	1500	14820
TOLUENE	33570	0	0	0	5989	39559
COMPANY TOTAL:	60905	0	0	0	10007	70912
COMPANY: EMPIRE FURNITURE COMPANY - T.G. VAUGHAN PLANT						
ACETONE	34631	0	0	0	6736	41367
DI(2-ETHYLHEXYL) PHTHALATE	17504	0	0	0	0	17504

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
METHANOL	81919	0	0	0	1142	83061
METHYL ETHYL KETONE	29138	0	0	0	4034	33172
N-BUTYL ALCOHOL	13721	0	0	0	3235	16956
TOLUENE	129827	0	0	0	16022	145849
XYLENE (MIXED ISOMERS)	27249	0	0	0	229	27478
COMPANY TOTAL:	333989	0	0	0	31398	365387
COMPANY: VAUGHAN-BASSETT FURNITURE CO.						
METHANOL	68487	0	0	0	0	68487
TOLUENE	130686	0	0	0	0	130686
COMPANY TOTAL:	199173	0	0	0	0	199173
COMPANY: WEBB FURNITURE ENTERPRISES, INC. - PARTICLE BD PLT						
AMMONIUM SULFATE (SOLUTION)	0	0	0	0	0	0
FORMALDEHYDE	1500	0	0	0	0	1500
COMPANY TOTAL:	1500	0	0	0	0	1500
COMPANY: WEBB FURNITURE ENTERPRISES, INC. - PLANT 1						
ACETONE	14700	0	0	0	0	14700
METHANOL	45000	0	0	0	0	45000
N-BUTYL ALCOHOL	14500	0	0	0	0	14500
TOLUENE	134000	0	0	0	0	134000
XYLENE (MIXED ISOMERS)	30700	0	0	0	0	30700
COMPANY TOTAL:	238900	0	0	0	0	238900
COMPANY: WEBB FURNITURE ENTERPRISES, INC. - PLANT 2						
ACETONE	33500	0	0	0	0	33500
METHANOL	10000	0	0	0	0	10000
METHYL ETHYL KETONE	21400	0	0	0	0	21400
TOLUENE	87000	0	0	0	0	87000
XYLENE (MIXED ISOMERS)	17300	0	0	0	0	17300
COMPANY TOTAL:	169200	0	0	0	0	169200
COUNTY TOTAL:	1229530	4000	0	53945	57053	1344528
CITY: HAMPTON						
COMPANY: BENNETTE PAINT MANUFACTURING CO, INC						
ETHYLENE GLYCOL	129	0	0	262	0	391
COMPANY TOTAL:	129	0	0	262	0	391

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: COMMONWEALTH WOOD PRESERVERS, INC.						
ARSENIC COMPOUNDS	0	28	0	0	3501	3529
CHROMIUM COMPOUNDS	0	6	0	0	2764	2770
COPPER COMPOUNDS	0	36	0	0	2027	2063
COMPANY TOTAL:	0	70	0	0	8292	8362
COMPANY: HOWMET CASTING DIVISION						
1,1,1-TRICHLOROETHANE	84000	0	0	0	0	84000
ALUMINUM OXIDE	250	0	0	250	590000	590500
CHROMIUM	250	0	0	250	36100	36600
COBALT	250	0	0	250	26230	26730
HYDROCHLORIC ACID	500	0	0	0	0	500
NICKEL	250	0	0	250	94800	95300
NITRIC ACID	500	0	0	0	17000	17500
COMPANY TOTAL:	86000	0	0	1000	764130	851130
COMPANY: MAIDA DEVELOPMENT COMPANY						
1,1,1-TRICHLOROETHANE	9250	0	0	0	0	9250
BARIUM COMPOUNDS	252	0	0	250	18000	18502
TETRACHLOROETHYLENE	27250	0	0	0	0	27250
ZINC COMPOUNDS	252	0	0	48	9000	9300
COMPANY TOTAL:	37004	0	0	298	27000	64302
COMPANY: MERCEDES BENZ TRUCK COMPANY, INC.						
ETHYLENE GLYCOL	0	0	0	0	0	0
GLYCOL ETHERS	8908	0	0	0	11110	20018
METHYL ETHYL KETONE	15115	0	0	0	17026	32141
COMPANY TOTAL:	24023	0	0	0	28136	52159
COUNTY TOTAL:	147156	70	0	1560	827558	976344
CITY: HARRISONBURG						
COMPANY: AMP INCORPORATED - BLDG. 151						
COPPER	2	0	0	20	0	22
FREON 113	30000	0	0	10	0	30010
SODIUM HYDROXIDE (SOLUTION)	250	0	0	0	0	250
SULFURIC ACID	500	0	0	0	0	500
COMPANY TOTAL:	30752	0	0	30	0	30782

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY: DUNAM-BUSH, INC.						
COPPER	500	0	0	250	250	1000
TRICHLOROETHYLENE	47250	0	0	0	0	47250
KYLENE (MIXED ISOMERS)	73000	0	0	0	4600	77600
COMPANY TOTAL:	120750	0	0	250	4850	125850
COMPANY: HOLLY FARMS FOODS, INC. - HARRISONBURG						
AMMONIA	17245	0	0	0	0	17245
CHLORINE	250	0	0	0	0	250
COMPANY TOTAL:	17495	0	0	0	0	17495
COMPANY: KAWNEER COMPANY, INC.						
ALUMINUM OXIDE	0	0	0	0	0	0
ALUMINUM OXIDE	0	0	0	0	0	0
HYDROGEN FLUORIDE	0	0	0	0	0	0
NICKEL COMPOUNDS	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	100	0	0	0	0	100
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	100	0	0	0	0	100
COMPANY: PACKAGING CORPORATION OF AMERICA						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: R. DONNELLEY & SONS CO. - HARRISONBURG MFG. DIV.						
1,1,1-TRICHLOROETHANE	15000	0	0	0	0	15000
COMPANY TOTAL:	15000	0	0	0	0	15000
COMPANY: ROCCO FEEDS TURKEY DIVISION						
MANGANESE	0	0	0	0	0	0
ZINC (FUME OR DUST)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: STOREYS TRANSPRINTS, INC. - HARRISONBURG						
METHANOL	9900	0	0	0	0	9900
METHYL ETHYL KETONE	16800	0	0	0	0	16800
METHYL ISOBUTYL KETONE	74000	0	0	0	0	74000
TOLUENE	18700	0	0	0	0	18700
COMPANY TOTAL:	119400	0	0	0	0	119400

APPENDIX A - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: VICTOR INDUSTRIES						
ACETONE	26303	0	0	0	0	26303
TRICHLOROETHYLENE	18145	0	0	0	3361	21506
COMPANY TOTAL:	44448	0	0	0	3361	47809
COMPANY: WAMPLER FOODS, INC. - FEED MILL						
ZINC (FUME OR DUST)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	347945	0	0	280	8211	356436
CITY: HOPEWELL						
COMPANY: ALLIED-SIGNAL HOPEWELL PLANT						
ACETALDEHYDE	10550	0	0	0	0	10550
AMMONIA	30795	23354	0	250	0	54399
AMMONIUM NITRATE (SOLUTION)	0	1190943	0	1541864	0	2732807
AMMONIUM SULFATE (SOLUTION)	0	17700000	0	23000000	0	40700000
BENZENE	63000	1500	0	3000	39100	106600
BUTYRALDEHYDE	500	250	0	250	250	1250
CHLORINE	15350	5750	0	250	0	21350
COPPER	0	0	0	17000	0	17000
ETHYLBENZENE	14600	750	0	250	12800	28400
HYDROCHLORIC ACID	500	0	0	0	0	500
ISOBUTYRALDEHYDE	12450	0	0	250	0	12700
METHANOL	250	0	0	762000	0	762250
METHYL ETHYL KETONE	69250	0	0	750	0	70000
NITRIC ACID	0	0	0	250	0	250
PHENOL	56000	2300	0	13000	250	71550
SULFURIC ACID	12000	3600	0	250	500	16350
TOLUENE	44000	2200	0	250	106086	152536
COMPANY TOTAL:	329245	18930647	0	25339614	158986	44758492
COMPANY: AQUALON COMPANY						
ACETONE	992532	216	0	964317	250	1957315
AMMONIA	2800	0	0	21170	3700	27670
CHLORINE	10840	0	0	0	0	10840
CHLOROACETIC ACID	18237	0	0	0	0	18237
CHLOROETHANE	9450	0	0	0	0	9450
ETHYLENE	69732	0	0	0	0	69732
ETHYLENE GLYCOL	35142	0	0	1924600	0	1959742

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
ETHYLENE OXIDE	2702	0	0	142	0	2844
HYDROCHLORIC ACID	4385	0	0	0	0	4385
METHANOL	1296000	1281	0	1457000	250	2754531
NITRIC ACID	550	0	0	0	0	550
PHOSPHORIC ACID	250	0	0	0	0	250
PROPYLENE OXIDE	912	0	0	142	0	1054
SODIUM HYDROXIDE (SOLUTION)	0	0	0	10245	250	10495
SULFURIC ACID	43	0	0	0	0	43
TERT-BUTYL ALCOHOL	68700	155	0	328800	0	397655
COMPANY TOTAL:	2512275	1652	0	4706416	4450	7224793
COMPANY: FIRESTONE FIBERS & TEXTILES COMPANY						
CHLORINE	0	0	0	14000	0	14000
ETHYLENE GLYCOL	286400	0	0	53000	100000	439400
TEREPHTHALIC ACID	0	0	0	30000	245000	275000
COMPANY TOTAL:	286400	0	0	97000	345000	728400
COMPANY: GENERAL CHEMICAL CORPORATION - HOPEWELL WORKS						
ALUMINUM OXIDE	27806	0	250	0	250	28306
SULFURIC ACID	1464	0	0	0	0	1464
COMPANY TOTAL:	29270	0	250	0	250	29770
COMPANY: GOLDSCHMIDT CHEMICAL CORPORATION						
DI(2-ETHYLHEXYL) PHTHALATE	0	0	0	250	250	500
ETHYLENE GLYCOL	0	0	0	61036	0	61036
COMPANY TOTAL:	0	0	0	61286	250	61536
COMPANY: LIQUID CARBONIC CARBON DIOXIDE CORP						
AMMONIA	45000	0	0	0	0	45000
COMPANY TOTAL:	45000	0	0	0	0	45000
COMPANY: STONE HOPEWELL INC.						
ACETONE	0	0	0	111003	0	111003
CATECHOL	0	0	0	19648	0	19648
CHLORINE	250	0	0	0	0	250
HYDROCHLORIC ACID	429504	0	0	0	0	429504
METHANOL	22201	0	0	4995149	0	5017350
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	40759	0	0	0	0	40759
COMPANY TOTAL:	492714	0	0	5125800	0	5618514

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
<hr/>						
COUNTY TOTAL:	3694904	18932299	250	35330116	508936	58466505
CITY: LYNCHBURG						
COMPANY: ALLEN-MORRISON, INC.						
GLYCOL ETHERS	10000	0	0	0	0	10000
METHYL ETHYL KETONE	20000	0	0	0	0	20000
N-BUTYL ALCOHOL	18000	0	0	0	0	18000
TOLUENE	30000	0	0	0	0	30000
XYLENE (MIXED ISOMERS)	100000	0	0	0	0	100000
COMPANY TOTAL:	178000	0	0	0	0	178000
COMPANY: APPLIED RADIANT ENERGY CORP.						
METHYL METHACRYLATE	5000	0	0	0	33000	38000
COMPANY TOTAL:	5000	0	0	0	33000	38000
COMPANY: BABCOCK & WILCOX COMPANY						
ACETONE	16000	0	0	0	4323	20323
ALUMINUM OXIDE	0	190	8110	0	60000	68300
CHLORINE	18000	1100	0	0	0	19100
COPPER	51	0	0	0	0	51
COPPER COMPOUNDS	500	130	1730	0	0	2360
DICHLOROMETHANE	121200	0	0	0	0	121200
FREON 113	121200	0	0	0	0	121200
HYDROGEN FLUORIDE	760	0	0	0	52	812
NITRIC ACID	0	0	0	0	399	399
SODIUM HYDROXIDE (SOLUTION)	330	0	0	0	0	330
SULFURIC ACID	150	0	0	0	0	150
TRICHLOROETHYLENE	45470	4	4	0	7400	52878
COMPANY TOTAL:	323661	1424	9844	0	72174	407103
COMPANY: C.R. HUDGINS PLATING, INC.						
CYANIDE COMPOUNDS	10000	0	0	200	3	10203
HYDROCHLORIC ACID	6000	0	0	0	0	6000
SODIUM HYDROXIDE (SOLUTION)	10000	0	0	0	0	10000
SULFURIC ACID	0	0	0	0	0	0
ZINC COMPOUNDS	0	0	0	260	12300	12560
COMPANY TOTAL:	26000	0	0	460	12303	38763
COMPANY: DAVIS PAINT MANUFACTURERS INC.						
METHYL ISOBUTYL KETONE	500	0	0	0	750	1250

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
TOLUENE	500	0	0	0	750	1250
XYLENE (MIXED ISOMERS)	500	0	0	0	750	1250
ZINC (FUME OR DUST)	500	0	0	0	250	750
COMPANY TOTAL:	2000	0	0	0	2500	4500
COMPANY: GENERAL ELECTRIC CO. - MOBILE COMMUNICATIONS						
1,1,1-TRICHLOROETHANE	10065	0	0	0	0	10065
DICHLOROMETHANE	7253	0	0	0	0	7253
FREON 113	20743	0	0	0	0	20743
GLYCOL ETHERS	2552	0	0	9600	0	12152
COMPANY TOTAL:	40613	0	0	9600	0	50213
COMPANY: GNB INC.						
LEAD COMPOUNDS	961	0	0	1	250	1212
SULFURIC ACID	500	0	0	0	0	500
COMPANY TOTAL:	1461	0	0	1	250	1712
COMPANY: GRIFFIN PIPE PRODUCTS COMPANY						
ALUMINUM OXIDE	0	0	0	0	800567	800567
ISOPROPYL ALCOHOL	13466	0	0	0	0	13466
METHANOL	17195	0	0	0	0	17195
PHENOL	39500	0	0	0	39500	79000
XYLENE (MIXED ISOMERS)	272397	0	0	0	0	272397
COMPANY TOTAL:	342558	0	0	0	840067	1182625
COMPANY: HANSON PORCELAIN COMPANY, INC.						
ALUMINUM OXIDE	0	0	0	0	250	250
ARSENIC	0	0	0	0	250	250
BARIUM	0	0	0	0	250	250
COBALT	0	0	0	0	250	250
COPPER	0	0	0	0	250	250
MANGANESE	0	0	0	0	250	250
NICKEL	0	0	0	0	250	250
NICKEL COMPOUNDS	250	0	0	417000	0	417250
SODIUM HYDROXIDE (SOLUTION)	0	0	0	129270	0	129270
SULFURIC ACID	250	0	0	417000	0	417250
COMPANY TOTAL:	500	0	0	963270	1750	965520
COMPANY: IMPERIAL ADHESIVES						
1,1,1-TRICHLOROETHANE	1851	0	0	0	0	1851

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY TOTAL:	1851	0	0	0	0	1851
COMPANY: LYNCHBURG FOUNDRY - ARCHER CREEK						
1,1,1-TRICHLOROETHANE	8450	0	2800	0	0	11250
ALUMINUM OXIDE	293131	0	683904	0	511156	1488191
ALUMINUM OXIDE	293131	0	683904	0	511156	1488191
CHLORINE	0	10350	0	0	0	10350
PHENOL	11635	61	18050	0	0	29746
COMPANY TOTAL:	606347	10411	1388658	0	1022312	3027728
COMPANY: LYNCHBURG FOUNDRY - LOWER BASIN PLANT						
1,1,1-TRICHLOROETHANE	192477	0	0	0	0	192477
MANGANESE	0	0	0	0	179434	179434
METHANOL	115646	0	0	0	0	115646
PHENOL	30522	0	0	0	0	30522
COMPANY TOTAL:	338645	0	0	0	179434	518079
COMPANY: ROCK-TENN PAPERBOARD PRODUCTS						
HYDROCHLORIC ACID	186300	0	0	0	0	186300
COMPANY TOTAL:	186300	0	0	0	0	186300
COMPANY: SIEGWERK, INC.						
BARIUM COMPOUNDS	250	0	0	0	250	500
COPPER COMPOUNDS	250	0	0	0	250	500
TOLUENE	43200	0	0	0	6600	49800
ZINC COMPOUNDS	250	0	0	0	500	750
COMPANY TOTAL:	43950	0	0	0	7600	51550
COMPANY: SLOCUM CHEMICAL CO, INC.						
1,1,1-TRICHLOROETHANE	250	0	0	0	0	250
ACETONE	250	0	0	0	0	250
TOLUENE	250	0	0	0	0	250
COMPANY TOTAL:	750	0	0	0	0	750
COMPANY: SOUTHEAST VINYL COMPANY						
CHLORINE	250	0	0	0	250	500
COMPANY TOTAL:	250	0	0	0	250	500
COMPANY: WAYTEC ELECTRONICS CORPORATION						
COPPER COMPOUNDS	0	0	0	5494	5492	10986

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
DICHLOROMETHANE	0	0	0	0	4196	4196
FORMALDEHYDE	409	0	0	23351	0	23760
LEAD COMPOUNDS	0	0	0	1005	255	1260
NICKEL	0	0	0	70	0	70
NITRIC ACID	3066	0	0	4198	11772	19036
SODIUM HYDROXIDE (SOLUTION)	0	0	0	178800	0	178800
SULFURIC ACID	18046	0	0	88195	0	106241
COMPANY TOTAL:	21521	0	0	301113	21715	344349
COMPANY: WESTOVER DAIRY						
PHOSPHORIC ACID	0	0	0	49691	0	49691
SODIUM HYDROXIDE (SOLUTION)	0	0	0	44017	0	44017
COMPANY TOTAL:	0	0	0	93708	0	93708
COUNTY TOTAL:	2119407	11835	1398502	1368152	2193355	7091251
CITY: MANASSAS						
COMPANY: INTERNATIONAL BUSINESS MACHINES CORPORATION						
1,1,1-TRICHLOROETHANE	10800	0	0	0	26100	36900
FREON 113	24500	0	0	0	22400	46900
SULFURIC ACID	3000	0	0	0	0	3000
TETRACHLOROETHYLENE	16600	0	0	0	59670	76270
XYLENE (MIXED ISOMERS)	25240	0	0	0	140360	165600
COMPANY TOTAL:	80140	0	0	0	248530	328670
COUNTY TOTAL:	80140	0	0	0	248530	328670
CITY: MARTINSVILLE						
COMPANY: AMERICAN FURNITURE CO. - PLANT 1						
ACETONE	25200	0	0	0	0	25200
METHANOL	60584	0	0	0	0	60584
METHYL ETHYL KETONE	26550	0	0	0	0	26550
N-BUTYL ALCOHOL	9463	0	0	0	0	9463
TOLUENE	28107	0	0	0	0	28107
XYLENE (MIXED ISOMERS)	7659	0	0	0	0	7659
COMPANY TOTAL:	157563	0	0	0	0	157563
COMPANY: AMERICAN FURNITURE CO. - PLT 6,7,8						
ACETONE	28781	0	0	0	0	28781
METHANOL	67102	0	0	0	0	67102
METHYL ETHYL KETONE	47306	0	0	0	0	47306
N-BUTYL ALCOHOL	13562	0	0	0	0	13562

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
TOLUENE	43422	0	0	0	0	43422
XYLENE (MIXED ISOMERS)	19377	0	0	0	0	19377
COMPANY TOTAL:	219550	0	0	0	0	219550
COMPANY: BASSETT, WM FURNITURE COMPANY						
ACETONE	13424	0	0	0	0	13424
METHANOL	120451	0	0	0	0	120451
METHYL ETHYL KETONE	89024	0	0	0	0	89024
METHYL ISOBUTYL KETONE	25103	0	0	0	0	25103
TOLUENE	80446	0	0	0	0	80446
XYLENE (MIXED ISOMERS)	125428	0	0	0	0	125428
COMPANY TOTAL:	453876	0	0	0	0	453876
COMPANY: DOYLE LUMBER, INC.						
ARSENIC COMPOUNDS	0	0	0	0	1382	1382
CHROMIUM COMPOUNDS	0	0	0	0	840	840
COPPER COMPOUNDS	0	0	0	0	273	273
COMPANY TOTAL:	0	0	0	0	2495	2495
COMPANY: DU PONT - MARTINSVILLE PLANT						
BIPHENYL	28000	0	0	0	0	28000
CHLORINE	200	200	0	0	0	400
HYDROCHLORIC ACID	200	0	0	0	0	200
PHOSPHORIC ACID	400	0	0	0	0	400
COMPANY TOTAL:	28800	200	0	0	0	29000
COMPANY: HOOKER FURNITURE CORPORATION - MARTINSVILLE						
ACETONE	15236	0	0	1015	11446	27697
METHANOL	88627	0	0	197	1253	90077
METHYL ETHYL KETONE	8167	0	0	1051	0	9218
METHYL ISOBUTYL KETONE	19576	0	0	3025	1985	24586
SODIUM HYDROXIDE (SOLUTION)	0	0	0	21067	0	21067
TOLUENE	35622	0	0	2463	18650	56735
XYLENE (MIXED ISOMERS)	40696	0	0	3023	0	43719
COMPANY TOTAL:	207924	0	0	31841	33334	273099
COMPANY: MARTINSVILLE NOVELTY CORPORATION						
ACETONE	5695	0	0	0	0	5695
METHANOL	31170	0	0	0	0	31170
METHYL ETHYL KETONE	2553	0	0	0	0	2553

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
TOLUENE	4124	0	0	0	0	4124
COMPANY TOTAL:	43542	0	0	0	0	43542
COMPANY: PULASKI FURNITURE CORP. - PLANT 2						
ACETONE	45542	0	0	0	0	45542
DI(2-ETHYLHEXYL) PHTHALATE	14950	0	0	0	0	14950
GLYCOL ETHERS	20573	0	0	0	0	20573
METHANOL	33135	0	0	0	0	33135
METHYL ETHYL KETONE	28786	0	0	0	0	28786
TOLUENE	76187	0	0	0	0	76187
XYLENE (MIXED ISOMERS)	26010	0	0	0	0	26010
COMPANY TOTAL:	245183	0	0	0	0	245183
COMPANY: VIRGINIA MIRROR CO., INC.						
XYLENE (MIXED ISOMERS)	45236	0	0	0	0	45236
COMPANY TOTAL:	45236	0	0	0	0	45236
COUNTY TOTAL:	1401674	200	0	31841	35829	1469544
CITY: NEWPORT NEWS						
COMPANY: MARVA MAID DAIRY						
AMMONIA	7000	0	0	0	0	7000
NITRIC ACID	0	0	0	6811	0	6811
SODIUM HYDROXIDE (SOLUTION)	0	0	0	63706	0	63706
COMPANY TOTAL:	7000	0	0	70517	0	77517
COMPANY: MICA COMPANY OF CANADA, INC.						
METHANOL	136400	0	0	0	0	136400
TOLUENE	152300	0	0	0	0	152300
COMPANY TOTAL:	288700	0	0	0	0	288700
COMPANY: NEWPORT NEWS SHIPBUILDING & DRYDOCK COMPANY						
1,1,1-TRICHLOROETHANE	40170	0	0	0	4000	44170
2-ETHOXYETHANOL	7800	0	0	0	11750	19550
ACETONE	186000	0	0	0	97850	283850
ALUMINUM (FUME OR DUST)	15000	0	0	0	0	15000
ALUMINUM OXIDE	4000	0	0	0	0	4000
AMMONIA	16800	0	0	0	0	16800
BARIUM COMPOUNDS	750	0	0	0	5550	6300
CHROMIUM COMPOUNDS	250	0	0	250	2300	2800
COPPER COMPOUNDS	750	0	0	250	3150	4150

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
DICHLOROMETHANE	24800	0	0	0	20300	45100
ETHYLENZENE	1850	0	0	0	71200	73050
ETHYLENE GLYCOL	250	0	0	0	0	250
FREON 113	110000	0	0	0	3600	113600
LEAD COMPOUNDS	250	0	0	8	44	302
MANGANESE COMPOUNDS	1400	0	0	0	11250	12650
METHYL ETHYL KETONE	6000	0	0	0	5550	11550
N-BUTYL ALCOHOL	67000	0	0	0	129150	196150
NICKEL COMPOUNDS	250	0	0	250	8250	8750
NITRIC ACID	250	0	0	0	0	250
PHOSPHORIC ACID	250	0	0	0	0	250
SILVER	0	0	0	0	24	24
SODIUM HYDROXIDE (SOLUTION)	250	0	0	0	0	250
SULFURIC ACID	250	0	0	0	0	250
TOLUENE	5220	0	0	0	6280	11500
TRICHLOROETHYLENE	16870	0	0	0	9300	26170
XYLENE (MIXED ISOMERS)	326000	0	0	0	439700	765700
ZINC COMPOUNDS	250	0	0	15	13750	14015
COMPANY TOTAL:	832660	0	0	773	842998	1676431
COMPANY: PEPSI-COLA COMPANY						
AMMONIA	250	0	0	0	0	250
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	250	0	250
COMPANY TOTAL:	250	0	0	250	0	500
COMPANY: PHIL CARTER SYSTEM, INC.						
ACETONE	39340	0	0	0	0	39340
STYRENE	20440	0	0	0	0	20440
COMPANY TOTAL:	59780	0	0	0	0	59780
COMPANY: SIEMENS-BENDIX AUTOMOTIVE ELECTRONICS						
FREON 113	80145	0	0	0	0	80145
COMPANY TOTAL:	80145	0	0	0	0	80145
COMPANY: SOMERVILLE PACKAGING - WILLIAMSBURG OPERATION						
TOLUENE	27029	0	0	250	10633	37912
COMPANY TOTAL:	27029	0	0	250	10633	37912
COUNTY TOTAL:	1295564	0	0	71790	853631	2220985

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

CITY: NORFOLK						
COMPANY: COLONNA'S SHIPYARD, INC.						
COPPER COMPOUNDS	16448	0	0	0	0	16448
N-BUTYL ALCOHOL	16985	0	0	0	0	16985
XYLENE (MIXED ISOMERS)	12747	0	0	0	0	12747
COMPANY TOTAL:	46180	0	0	0	0	46180
COMPANY: FORD MOTOR CO. - NORFOLK ASSEMBLY PLANT						
1,2,4-TRIMETHYLBENZENE	20	0	0	0	0	20
BENZENE	131	0	0	0	0	131
DI(2-ETHYLHEXYL) PHTHALATE	0	0	0	0	0	0
DICHLOROMETHANE	6200	0	0	0	0	6200
DIETHANOLAMINE	0	0	0	40000	0	40000
ETHYLBENZENE	38	0	0	0	0	38
ETHYLENE GLYCOL	0	0	0	0	0	0
GLYCOL ETHERS	190900	0	0	5400	0	196300
METHANOL	320	0	0	0	0	320
METHYL ETHYL KETONE	23500	0	0	0	0	23500
METHYL ISOBUTYL KETONE	100610	0	0	0	0	100610
N-BUTYL ALCOHOL	341800	0	0	0	0	341800
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	1200	0	1200
SULFURIC ACID	0	0	0	0	0	0
TOLUENE	131500	0	0	0	0	131500
XYLENE (MIXED ISOMERS)	452300	0	0	0	0	452300
COMPANY TOTAL:	1247319	0	0	46600	0	1293919
COMPANY: METRO MACHINE CORPORATION						
N-BUTYL ALCOHOL	30397	0	0	0	18780	49177
XYLENE (MIXED ISOMERS)	6003	0	0	0	9390	15393
COMPANY TOTAL:	36400	0	0	0	28170	64570
COMPANY: NORFOLK SHIPBUILDING & DRYDOCK CORP - ROSE STREET						
2-ETHOXYETHANOL	4700	0	0	0	0	4700
CHROMIUM	250	0	0	0	450	700
COPPER	250	0	0	0	1000	1250
METHYL ISOBUTYL KETONE	18000	0	0	0	0	18000
N-BUTYL ALCOHOL	17000	0	0	0	0	17000
NICKEL	250	0	0	0	750	1000

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
XYLENE (MIXED ISOMERS)	41000	0	0	0	0	41000
ZINC COMPOUNDS	0	0	0	0	250	250
COMPANY TOTAL:	81450	0	0	0	2450	83900
COMPANY: NORFOLK SHIPBUILDING & DRYDOCK CORP - W. LIBERTY						
2-ETHOXYETHANOL	32200	0	0	0	0	32200
CHROMIUM	250	0	0	0	1700	1950
COPPER	250	0	0	0	3500	3750
METHYL ISOBUTYL KETONE	115000	0	0	0	0	115000
N-BUTYL ALCOHOL	130000	0	0	0	0	130000
NICKEL	250	0	0	0	1100	1350
XYLENE (MIXED ISOMERS)	310000	0	0	0	0	310000
ZINC COMPOUNDS	0	0	0	0	750	750
COMPANY TOTAL:	587950	0	0	0	7050	595000
COMPANY: UNITED STATES GYPSUM COMPANY						
AMMONIA	0	0	0	0	0	0
ETHYLENE GLYCOL	0	0	0	0	0	0
HYDROCHLORIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	1999299	0	0	46600	37670	2083569
CITY: PETERSBURG						
COMPANY: DOMINION CHEMICAL COMPANY						
HYDROCHLORIC ACID	0	0	0	0	0	0
METHANOL	0	0	0	0	0	0
NITRIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: LEE LABORATORIES INC./INFRACORP, LTD.						
ACETONE	94	0	0	87000	0	87094
ACRYLIC ACID	72	0	0	0	0	72
ETHYLENE GLYCOL	487	0	0	33000	52000	85487
METHANOL	229	0	0	110000	0	110229
SULFURIC ACID	0	0	0	0	0	0
TOLUENE	171100	0	0	21000	6400	198500
COMPANY TOTAL:	171982	0	0	251000	58400	481382

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
CITY: PORTSMOUTH						
COMPANY: PIEDMONT EXPLOSIVES, INC. - PETERSBURG						
AMMONIUM NITRATE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COUNTY TOTAL:	171982	0	0	251000	58400	481382
COMPANY: ASSOCIATED NAVAL ARCHITECTS, INC.						
N-BUTYL ALCOHOL	3335	0	0	0	0	3335
COMPANY TOTAL:	3335	0	0	0	0	3335
COMPANY: ATLANTIC WOOD INDUSTRIES, INC. - PORTSMOUTH						
ANTHRACENE	71	0	0	0	780	851
DIBENZOFURAN	143	0	0	0	810	953
NAPHTHALENE	438	0	0	0	1300	1738
COMPANY TOTAL:	652	0	0	0	2890	3542
COMPANY: HOECHST CELANESE - PORTSMOUTH						
1,2-DICHLOROETHANE	300	0	0	0	0	300
ACRYLIC ACID	35383	0	0	0	0	35383
ALLYL CHLORIDE	182	0	0	0	0	182
AMMONIA	5115	43395	0	0	0	48510
PHOSPHORIC ACID	0	0	0	0	0	0
SODIUM HYDROXIDE (SOLUTION)	0	17	0	0	0	17
SULFURIC ACID	0	0	0	0	0	0
ZINC COMPOUNDS	0	169	11060	0	0	11229
COMPANY TOTAL:	40980	43581	11060	0	0	95621
COMPANY: SEAGRAVE COATINGS CORPORATION						
1,2,4-TRIMETHYLBENZENE	1000	0	0	0	6000	7000
COPPER	500	0	0	0	0	500
N-BUTYL ALCOHOL	1350	0	0	0	6200	7550
COMPANY TOTAL:	2850	0	0	0	12200	15050
COUNTY TOTAL:	47817	43581	11060	0	15090	117548
CITY: RADFORD						
COMPANY: AT&T MICROELECTRONICS						
1,1,1-TRICHLOROETHANE	13872	0	0	0	0	13872
FREON 113	8858	0	0	0	0	8858
COMPANY TOTAL:	22730	0	0	0	0	22730

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: BRAD RAGAN, INC.						
ZINC COMPOUNDS	21	0	0	2038	0	2059
COMPANY TOTAL:	21	0	0	2038	0	2059
COMPANY: BRAD RAGAN, INC. - RUBBER DIVISION						
ZINC COMPOUNDS	21	0	2038	0	2252	4311
COMPANY TOTAL:	21	0	2038	0	2252	4311
COMPANY: INLAND MOTOR DIVISION - KOLLMORGEN CORPORATION						
1,1,1-TRICHLOROETHANE	14300	0	0	0	0	14300
FREON 113	15000	0	0	0	0	15000
METHYL ETHYL KETONE	11200	0	0	0	2200	13400
COMPANY TOTAL:	40500	0	0	0	2200	42700
COMPANY: LYNCHBURG FOUNDRY - RADFORD SHELL PLANT						
ALUMINUM (FUME OR DUST)	10	0	277094	0	0	277104
MANGANESE	229	0	286305	0	0	286534
METHANOL	199499	0	0	0	0	199499
PHENOL	62050	72	139341	0	0	201463
COMPANY TOTAL:	261788	72	702740	0	0	964600
COMPANY: RADFORD ARMY AMMUNITION PLANT						
2,4-DINITROTOLUENE	0	3270	0	0	0	3270
ACETONE	1520560	0	0	0	0	1520560
ALUMINUM (FUME OR DUST)	0	0	0	0	0	0
AMMONIA	24060	0	0	0	0	24060
AMMONIUM NITRATE (SOLUTION)	0	0	0	0	0	0
CHLORINE	0	33900	0	0	0	33900
DIBUTYL PHTHALATE	0	383	786	0	0	1169
DIETHYL PHTHALATE	0	22	0	0	0	22
LEAD COMPOUNDS	0	0	172	0	486	658
NITRIC ACID	0	0	100	0	0	100
NITROGLYCERINE	23575	0	0	0	0	23575
PHOSPHORIC ACID	0	0	0	0	0	0
SULFURIC ACID	0	15170	82	0	0	15252
COMPANY TOTAL:	1568195	52745	1140	0	486	1622566
COUNTY TOTAL:	1893255	52817	705918	2038	4938	2658966

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CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
CITY: RICHMOND						
COMPANY: C.F. SAUER COMPANY						
ETHYLENE OXIDE	5280	0	0	3520	0	8800
COMPANY TOTAL:	5280	0	0	3520	0	8800
COMPANY: DELUXE CHECK PRINTERS						
1,1,1-TRICHLOROETHANE	11530	0	0	0	2302	13832
COMPANY TOTAL:	11530	0	0	0	2302	13832
COMPANY: DU PONT - JAMES RIVER PLANT						
SULFURIC ACID	8100	0	0	0	0	8100
COMPANY TOTAL:	8100	0	0	0	0	8100
COMPANY: E.R. CARPENTER CO., INC.						
1,1,1-TRICHLOROETHANE	47320	0	0	0	0	47320
BARIUM COMPOUNDS	2132	0	0	0	0	2132
DICHLOROMETHANE	534044	0	0	0	243024	777068
METHYLENEBIS(PHENYLISOCYANATE)	500	0	0	0	0	500
TOLUENE-2,4-DIISOCYANATE	500	0	0	0	0	500
TOLUENE-2,6-DIISOCYANATE	500	0	0	0	0	500
COMPANY TOTAL:	584996	0	0	0	243024	828020
COMPANY: GESMAR CORPORATION						
ACETONE	13400	0	0	0	250	13650
STYRENE	2700	0	0	0	250	2950
COMPANY TOTAL:	16100	0	0	0	500	16600
COMPANY: GRAVURE PACKAGING, INC.						
ACETONE	8200	0	0	0	0	8200
METHYL ETHYL KETONE	4300	0	0	0	0	4300
TOLUENE	77000	0	0	0	0	77000
COMPANY TOTAL:	89500	0	0	0	0	89500
COMPANY: J.W. FERGUSSON & SONS, INC.						
METHYL ETHYL KETONE	7390	0	0	0	8520	15910
TOLUENE	269913	0	0	0	191000	460913
COMPANY TOTAL:	277303	0	0	0	199520	476823

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: JAMES RIVER CORP. - FILTRATION PRODUCTS DIVISION						
METHANOL	1080000	0	0	0	750	1080750
PHENOL	110000	0	0	0	23650	133650
COMPANY TOTAL:	1190000	0	0	0	24400	1214400
COMPANY: KRAFT INC. - DAIRY GROUP						
AMMONIA	8500	0	0	0	0	8500
PHOSPHORIC ACID	0	0	0	8500	0	8500
SODIUM HYDROXIDE (SOLUTION)	0	0	0	49000	0	49000
COMPANY TOTAL:	8500	0	0	57500	0	66000
COMPANY: NABISCO BRANDS, INC.						
AMMONIA	93888	0	0	0	0	93888
COMPANY TOTAL:	93888	0	0	0	0	93888
COMPANY: PERFORMER YACHTS, INC.						
ACETONE	21000	0	0	0	0	21000
COMPANY TOTAL:	21000	0	0	0	0	21000
COMPANY: PHILIP MORRIS USA - BL PLANT						
AMMONIA	534443	0	0	65131	7504	607078
COMPANY TOTAL:	534443	0	0	65131	7504	607078
COMPANY: PHILIP MORRIS USA - MANUFACTURING CENTER						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	250	0	250
COMPANY TOTAL:	0	0	0	250	0	250
COMPANY: REHRIG INTERATIONAL						
DICHLOROMETHANE	13800	0	0	0	0	13800
HYDROCHLORIC ACID	271	0	0	0	0	271
COMPANY TOTAL:	14071	0	0	0	0	14071
COMPANY: REYNOLDS METALS - RICHMOND FOIL PLANT						
ACETONE	53000	0	0	0	2500	55500
GLYCOL ETHERS	24500	0	0	0	430	24930
METHANOL	10900	0	0	0	190	11090
METHYL ETHYL KETONE	122000	0	0	0	6000	128000
TOLUENE	47000	0	0	0	2100	49100
COMPANY TOTAL:	257400	0	0	0	11220	268620

APPENDIX H - SARA TITLE 111 SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: RICHMOND GRAVURE, INC.						
METHYL ETHYL KETONE	54600	0	0	0	250	54850
TOLUENE	487000	0	0	0	1300	488300
COMPANY TOTAL:	541600	0	0	0	1550	543150
COMPANY: SONOCO PRODUCTS COMPANY						
CHLORINE	0	0	0	0	0	0
HYDROCHLORIC ACID	92300	0	0	0	0	92300
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	92300	0	0	0	0	92300
COMPANY: THIELE-ENGD AHL						
BARIUM COMPOUNDS	6	0	0	0	236	242
CHROMIUM COMPOUNDS	6	0	0	0	330	336
COPPER	41	0	0	0	1441	1482
DIBUTYL PHTHALATE	0	0	0	0	3100	3100
LEAD COMPOUNDS	23	0	0	0	823	846
METHYL ETHYL KETONE	2176	0	0	0	2100	4276
TOLUENE	11484	0	0	0	89900	101384
ZINC COMPOUNDS	15	0	0	0	615	630
COMPANY TOTAL:	13751	0	0	0	98545	112296
COMPANY: UPACO ADHESIVES - RICHMOND PLANT						
ACETONE	8250	0	0	0	0	8250
DICHLOROMETHANE	500	0	0	0	0	500
METHYL ETHYL KETONE	1950	0	0	0	0	1950
TOLUENE	1000	0	0	0	0	1000
COMPANY TOTAL:	11700	0	0	0	0	11700
COMPANY: VENETIAN MARBLE INCORPORATED						
DICHLOROMETHANE	33600	0	0	0	0	33600
STYRENE	6784	0	0	0	0	6784
COMPANY TOTAL:	40384	0	0	0	0	40384
COMPANY: WESTVACO - MILK CARTON DIVISION						
METHANOL	17000	0	0	0	960	17960
TOLUENE	11000	0	0	0	960	11960
COMPANY TOTAL:	28000	0	0	0	1920	29920

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: WESTVACO - VIRGINIA FOLDING BOX COFER ROAD PLANT						
1,1,1-TRICHLOROETHANE	15000	0	0	0	0	15000
METHYL ETHYL KETONE	80200	0	0	250	0	80450
SODIUM HYDROXIDE (SOLUTION)	0	0	0	250	0	250
TOLUENE	336000	0	0	250	0	336250
COMPANY TOTAL:	431200	0	0	750	0	431950
COMPANY: WESTVACO - VIRGINIA FOLDING BOX PLANT II						
METHYL ETHYL KETONE	181900	0	0	250	0	182150
SODIUM HYDROXIDE (SOLUTION)	0	0	0	250	0	250
SULFURIC ACID	0	0	0	0	0	0
TOLUENE	252000	0	0	250	0	252250
COMPANY TOTAL:	433900	0	0	750	0	434650
COUNTY TOTAL:	4704946	0	0	127901	590485	5423332
CITY: ROANOKE						
COMPANY: CHEMSOLV, INC.						
1,1,1-TRICHLOROETHANE	750	0	0	0	0	750
ACETONE	250	0	0	0	0	250
ETHYLENE GLYCOL	250	0	0	0	0	250
STYRENE	250	0	0	0	0	250
SULFURIC ACID	250	0	0	0	0	250
TOLUENE	250	0	0	0	0	250
COMPANY TOTAL:	2000	0	0	0	0	2000
COMPANY: COCA-COLA BOTTLING COMPANY						
PHOSPHORIC ACID	0	0	0	3000	0	3000
SODIUM HYDROXIDE (SOLUTION)	0	0	0	32973	0	32973
COMPANY TOTAL:	0	0	0	35973	0	35973
COMPANY: CUSTOM WOOD PRODUCTS - FASHION TOP						
ACETONE	32000	0	0	0	0	32000
TOLUENE	16000	0	0	0	0	16000
COMPANY TOTAL:	48000	0	0	0	0	48000
COMPANY: FABRICATED METALS INDUSTRIES, INC.						
TOLUENE	12259	0	0	0	0	12259
COMPANY TOTAL:	12259	0	0	0	0	12259

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY: GARDNER-DENVER, M&C						
ETHYLENE GLYCOL	0	0	0	0	0	0
SULFURIC ACID	0	0	0	0	0	0
TOLUENE	0	0	0	13500	0	13500
COMPANY TOTAL:	0	0	0	13500	0	13500
COMPANY: HOOKER FURNITURE CORPORATION - ROANOKE						
ACETONE	36943	0	0	8665	0	45608
METHANOL	51234	0	0	12017	0	63251
METHYL ETHYL KETONE	21579	0	0	5062	0	26641
N-BUTYL ALCOHOL	19062	0	0	4474	0	23536
SODIUM HYDROXIDE (SOLUTION)	0	0	0	7891	0	7891
TOLUENE	42346	0	0	9933	0	52279
XYLENE (MIXED ISOMERS)	19151	0	0	4492	0	23643
COMPANY TOTAL:	190315	0	0	52534	0	242849
COMPANY: INGERSOLL-RAND COMPANY						
METHANOL	250	0	0	0	0	250
COMPANY TOTAL:	250	0	0	0	0	250
COMPANY: ITT - ELECTRO OPTICAL PRODUCTS DIVISION						
1,1,1-TRICHLOROETHANE	16785	0	0	310	0	17095
ACETONE	2793	0	0	365	30555	33713
DICHLOROMETHANE	7063	0	0	1100	40	8203
HYDROCHLORIC ACID	440	1280	0	3404	20	5144
METHANOL	3820	0	0	305	45363	49488
SODIUM HYDROXIDE (SOLUTION)	0	0	0	775	0	775
SULFURIC ACID	250	0	0	1640	70	1960
TRICHLOROETHYLENE	2275	0	0	800	0	3075
COMPANY TOTAL:	33426	1280	0	8699	76048	119453
COMPANY: RELIANCE UNIVERSAL, INC.						
ACETONE	6749	0	0	0	0	6749
GLYCOL ETHERS	2342	0	0	0	0	2342
METHANOL	14695	0	0	0	0	14695
METHYL ETHYL KETONE	14759	0	0	0	0	14759
METHYL ISOBUTYL KETONE	3309	0	0	0	0	3309
N-BUTYL ALCOHOL	1963	0	0	0	0	1963
STYRENE	630	0	0	0	0	630

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
TOLUENE	40541	0	0	0	0	40541
XYLENE (MIXED ISOMERS)	19819	0	0	0	0	19819
COMPANY TOTAL:	104807	0	0	0	0	104807
COMPANY: ROANOKE ELECTRIC STEEL CORPORATION						
ALUMINUM (FUME OR DUST)	4055	250	0	0	0	4305
CADMIUM	250	250	0	0	0	500
CHROMIUM	1487	250	0	0	0	1737
COPPER	0	250	0	0	0	250
ETHYLENE GLYCOL	0	250	0	0	0	250
LEAD	14288	250	0	0	0	14538
MANGANESE COMPOUNDS	1681	250	0	0	0	1931
NICKEL	250	250	0	0	0	500
SILVER	0	250	0	0	0	250
VANADIUM (FUME OR DUST)	0	0	0	0	0	0
ZINC (FUME OR DUST)	93244	250	0	0	0	93494
COMPANY TOTAL:	115255	2500	0	0	0	117755
COMPANY: SINGER FURNITURE COMPANY - ROANOKE PLANT						
ACETONE	66250	0	0	250	0	66500
GLYCOL ETHERS	14250	0	0	250	0	14500
METHANOL	42250	0	0	250	0	42500
METHYL ETHYL KETONE	44250	0	0	250	0	44500
N-BUTYL ALCOHOL	61250	0	0	250	0	61500
TOLUENE	120250	0	0	250	0	120500
XYLENE (MIXED ISOMERS)	61250	0	0	250	0	61500
COMPANY TOTAL:	409750	0	0	1750	0	411500
COMPANY: VFP, INC.						
ACETONE	250	0	0	0	7524	7774
STYRENE	250	0	0	0	154	404
COMPANY TOTAL:	500	0	0	0	7678	8178
COMPANY: VIRGINIA TRANSFORMER CORPORATION						
TOLUENE	0	0	0	0	13214	13214
XYLENE (MIXED ISOMERS)	0	0	0	0	13214	13214
COMPANY TOTAL:	0	0	0	0	26428	26428
COMPANY: WEN-DON CORPORATION						
AMMONIUM SULFATE (SOLUTION)	250	0	0	403	0	653

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
ETHYLENE GLYCOL	250	0	0	1090	0	1340
GLYCOL ETHERS	250	0	0	24	0	274
SODIUM HYDROXIDE (SOLUTION)	0	0	0	7	0	7
COMPANY TOTAL:	750	0	0	1524	0	2274
COUNTY TOTAL:	917312	3780	0	113980	110154	1145226
CITY: SALEM						
COMPANY: GENERAL ELECTRIC COMPANY - DRIVE SYSTEMS OPERATION						
1,1,1-TRICHLOROETHANE	28995	0	0	0	0	28995
CYANIDE COMPOUNDS	1000	0	0	0	0	1000
HYDROCHLORIC ACID	6810	0	0	0	0	6810
NITRIC ACID	500	0	0	0	0	500
SODIUM HYDROXIDE (SOLUTION)	1600	0	0	93	6048	7741
SULFURIC ACID	500	0	0	0	0	500
COMPANY TOTAL:	39405	0	0	93	6048	45546
COMPANY: JOHN W. HANCOCK, JR., INC.						
LEAD	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	2773	0	0	0	0	2773
COMPANY TOTAL:	2773	0	0	0	0	2773
COMPANY: KOPPERS INDUSTRIES, INC.						
ANTHRACENE	1050	3	176	0	40583	41812
DIBENZOFURAN	969	0	159	0	36501	37629
NAPHTHALENE	3815	52	147	0	33506	37520
COMPANY TOTAL:	5834	55	482	0	110590	116961
COMPANY: KROGER COMPANY						
AMMONIA	1350	0	0	2300	0	3650
SODIUM HYDROXIDE (SOLUTION)	0	0	0	9996	0	9996
SULFURIC ACID	0	0	0	5418	0	5418
COMPANY TOTAL:	1350	0	0	17714	0	19064
COMPANY: MEDECO SECURITY LOCKS, INC.						
1,1,1-TRICHLOROETHANE	21000	0	0	0	250	21250
CHROMIUM COMPOUNDS	0	0	0	750	0	750
COPPER COMPOUNDS	750	0	0	250	0	1000
CYANIDE COMPOUNDS	0	0	0	250	0	250
FREON 113	42250	0	0	0	250	42500
LEAD COMPOUNDS	250	0	0	250	0	500

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
NITPIC ACID	250	0	0	10800	0	11050
ZINC COMPOUNDS	250	0	0	250	0	500
COMPANY TOTAL:	64750	0	0	12550	500	77800
COMPANY: MOHAWK RUBBER COMPANY						
METHANOL	31100	0	0	0	0	31100
TOLUENE	64300	0	0	0	0	64300
XYLENE (MIXED ISOMERS)	147000	0	0	0	0	147000
ZINC COMPOUNDS	250	0	0	1100	40600	41950
COMPANY TOTAL:	242650	0	0	1100	40600	284350
COMPANY: VALLEYDALE PACKERS, INC.						
PHOSPHORIC ACID	0	0	0	11000	0	11000
SODIUM HYDROXIDE (SOLUTION)	0	0	0	20000	0	20000
COMPANY TOTAL:	0	0	0	31000	0	31000
COUNTY TOTAL:	356762	55	482	62457	157738	577494
CITY: SOUTH BOSTON						
COMPANY: AMERICAN TRIM PRODUCTS, INC.						
STYRENE	25490	0	0	0	0	25490
COMPANY TOTAL:	25490	0	0	0	0	25490
COMPANY: DAYSTROM FURNITURE						
ACETONE	15650	0	0	0	9600	25250
SULFURIC ACID	0	0	0	0	0	0
TOLUENE	22530	0	0	0	10100	32630
XYLENE (MIXED ISOMERS)	15450	0	0	0	250	15700
COMPANY TOTAL:	53630	0	0	0	19950	73580
COMPANY: GEORGIA-PACIFIC CORP. - SOUTH BOSTON PARTICLEBOARD						
AMMONIA	1200	0	0	0	0	1200
AMMONIUM SULFATE (SOLUTION)	0	0	0	0	0	0
FORMALDEHYDE	34000	0	0	0	0	34000
TOLUENE	10400	0	0	0	0	10400
COMPANY TOTAL:	45600	0	0	0	0	45600
COMPANY: PHILIPS INDUSTRIES, INC. - LASCO PRODUCTION GROUP						
ACETONE	54000	0	0	0	0	54000
ALUMINUM OXIDE	0	0	0	0	0	0
ALUMINUM OXIDE	0	0	0	0	0	0

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
STYRENE	256270	0	0	0	0	256270
COMPANY TOTAL:	310270	0	0	0	0	310270
COMPANY: WABASH MAGNETICS						
DICHLOROMETHANE	20000	0	0	0	2600	22600
XYLENE (MIXED ISOMERS)	11000	0	0	0	1300	12300
COMPANY TOTAL:	31000	0	0	0	3900	34900
COMPANY: WESTINGHOUSE ELECTRIC CORP.						
1,1,1-TRICHLOROETHANE	20000	0	0	0	9600	29600
COPPER	250	0	0	250	0	500
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
TETRACHLOROETHYLENE	2400	0	0	0	12000	14400
XYLENE (MIXED ISOMERS)	50600	0	0	0	17300	67900
COMPANY TOTAL:	73250	0	0	250	38900	112400
COUNTY TOTAL:	539240	0	0	250	62750	602240
CITY: STAUNTON						
COMPANY: CENTRAL COCA-COLA						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	0	0	0
COMPANY: FENCO INCORPORATED						
ACETONE	9996	0	0	0	0	9996
DICHLOROMETHANE	2	0	0	0	0	2
STYRENE MONOMER	3691	0	0	0	0	3691
COMPANY TOTAL:	13689	0	0	0	0	13689
COUNTY TOTAL:	13689	0	0	0	0	13689
CITY: SUFFOLK						
COMPANY: ALLIED COLLOIDS, INC.						
ACRYLAMIDE	10598	0	0	250	1250	12098
ACRYLIC ACID	16040	0	0	4306	750	21096
ETHYL ACRYLATE	1000	0	0	3783	750	5533
METHYL METHACRYLATE	1000	0	0	3895	750	5645
MIXTURE - AMMONIUM HYDROXIDE	1000	0	0	0	0	1000
SODIUM HYDROXIDE (SOLUTION)	7722	0	0	250	0	7972
SULFURIC ACID	250	0	0	0	0	250
COMPANY TOTAL:	37610	0	0	12484	3500	53594

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES

COMPANY: OLD DOMINION WOOD PRESERVERS						
ARSENIC COMPOUNDS	250	0	0	0	250	500
CHROMIUM COMPOUNDS	250	0	0	0	250	500
COPPER COMPOUNDS	250	0	0	0	250	500
COMPANY TOTAL:	750	0	0	0	750	1500
COMPANY: PLANTERS LIFESAVERS CO. - SUFFOLK PLANT						
SODIUM HYDROXIDE (SOLUTION)	0	0	0	9000	0	9000
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	0	0	0	9000	0	9000
COMPANY: SAUNDERS SUPPLY CO., INC.						
CHROMIUM COMPOUNDS	0	2	0	0	50	52
COMPANY TOTAL:	0	2	0	0	50	52
COMPANY: THOMAS J. LIPTON, INC.						
PHOSPHORIC ACID	0	0	0	42853	0	42853
SODIUM HYDROXIDE (SOLUTION)	0	0	0	49275	0	49275
COMPANY TOTAL:	0	0	0	92128	0	92128
COMPANY: VI-TEX PACKAGING, INC.						
1,1,1-TRICHLOROETHANE	4919	0	0	0	250	5169
TOLUENE	9968	0	0	0	250	10218
COMPANY TOTAL:	14887	0	0	0	500	15387
COUNTY TOTAL:	53247	2	0	113612	4800	171661
CITY: VIRGINIA BEACH						
COMPANY: AETNA INSULATED WIRE COMPANY						
DICHLOROMETHANE	25200	0	0	0	0	25200
COMPANY TOTAL:	25200	0	0	0	0	25200
COMPANY: HERMES ABRASIVES, LTD.						
2-ETHOXYETHANOL	52	0	52	0	0	104
ACETONE	5469	0	0	0	0	5469
ALUMINUM OXIDE	0	0	0	124991	0	124991
BARIUM COMPOUNDS	0	0	0	6469	0	6469
COPPER COMPOUNDS	0	0	0	1	0	1
DICHLOROMETHANE	1900	0	1900	0	0	3800
FORMALDEHYDE	21	0	21	5	0	47

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
METHANOL	98	0	98	0	0	196
PHENOL	224	0	224	11	0	459
SODIUM HYDROXIDE (SOLUTION)	0	0	0	0	0	0
TOLUENE	2735	0	2735	0	0	5470
ZINC COMPOUNDS	0	0	0	800	0	800
COMPANY TOTAL:	10499	0	5030	132277	0	147806
COMPANY: KRANSCO						
METHYLENEBIS(PHENYLISOCYANATE)	250	0	0	0	0	250
COMPANY TOTAL:	250	0	0	0	0	250
COUNTY TOTAL:	35949	0	5030	132277	0	173256
CITY: WAYNESBORO						
COMPANY: DU PONT - WAYNESBORO PLANT						
2-ETHOXYETHANOL	514	0	0	0	0	514
ACRYLONITRILE	126810	0	10	0	0	126820
AMMONIA	500	1708	0	0	4879	7087
BIPHENYL	9763	8	0	0	0	9771
CHLORINE	0	0	0	0	0	0
METHYL ACRYLATE	21209	0	10	0	0	21219
METHYLENEBIS(PHENYLISOCYANATE)	60	0	0	0	25113	25173
NITRIC ACID	327	0	0	0	0	327
PHOSPHORIC ACID	704	0	0	0	0	704
SULFURIC ACID	498	0	0	0	0	498
ZINC COMPOUNDS	8	0	0	0	4687	4695
COMPANY TOTAL:	160393	1716	20	0	34679	196808
COMPANY: GENICOM CORPORATION						
ACETONE	500	0	0	0	25000	25500
CHLORINE	400	0	0	0	0	400
FREON 113	250	0	0	0	5900	6150
HYDROCHLORIC ACID	0	250	0	0	0	250
MIXTURE - CHEMSOLV 6610 SOLVENT	500	0	0	0	90000	90500
NITRIC ACID	250	0	0	0	750	1000
COMPANY TOTAL:	1900	250	0	0	121650	123800
COMPANY: STANLEY FURNITURE COMPANY - WAYNESBORO						
ACETONE	104190	0	0	11	0	104201
METHANOL	100856	0	0	10	0	100866
TOLUENE	87769	0	0	5	0	87774

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
COMPANY TOTAL:	292815	0	0	26	0	292841
COMPANY: WAYN-TEX INC.						
1,1,1-TRICHLOROETHANE	120000	0	0	0	12799	132799
COMPANY TOTAL:	120000	0	0	0	12799	132799
COUNTY TOTAL:	575108	1966	20	26	169128	746248
CITY: WILLIAMSBURG						
COMPANY: ANHEUSER-BUSCH, INC.						
AMMONIA	6396	0	0	16380	0	22776
CHLORINE	13	0	0	0	0	13
SODIUM HYDROXIDE (SOLUTION)	0	0	0	47400	0	47400
SULFURIC ACID	0	0	0	0	0	0
COMPANY TOTAL:	6409	0	0	63780	0	70189
COMPANY: BALL PACK. PROD. GRP. - METAL CONT. DIV.						
ACETONE	14700	0	0	0	270	14970
BARIUM COMPOUNDS	0	0	0	0	0	0
GLYCOL ETHERS	430200	0	0	0	0	430200
HYDROCHLORIC ACID	250	0	0	0	0	250
HYDROGEN FLUORIDE	500	0	0	0	0	500
MANGANESE	0	0	0	250	2020	2270
METHYL ISOBUTYL KETONE	1090	0	0	0	230	1320
N-BUTYL ALCOHOL	234500	0	0	0	0	234500
SODIUM HYDROXIDE (SOLUTION)	500	0	0	4728	0	5228
SULFURIC ACID	500	0	0	0	0	500
COMPANY TOTAL:	682240	0	0	4978	2520	689738
COMPANY: BASF CORPORATION - FIBERS DIVISION						
ACRYLONITRILE	219400	290	260	0	3000	222950
GLYCOL ETHERS	250	2200	0	0	0	2450
HYDROCHLORIC ACID	500	0	0	0	0	500
PHOSPHORIC ACID	500	0	0	0	0	500
SULFURIC ACID	500	0	0	0	0	500
ZINC (FUME OR DUST)	250	0	14600	0	0	14850
ZINC COMPOUNDS	250	1670	200400	0	10960	213280
COMPANY TOTAL:	221650	4160	215260	0	13960	455030
COUNTY TOTAL:	910299	4160	215260	68758	16480	1214957

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

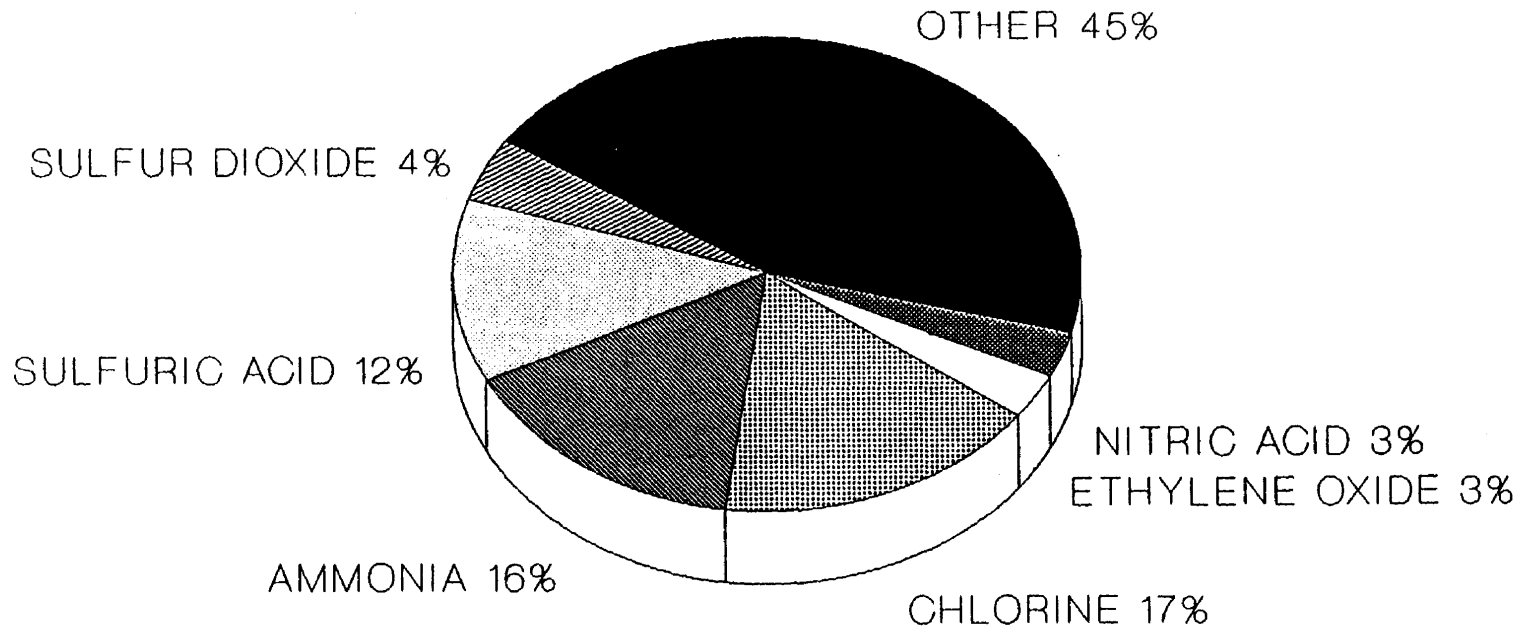
CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
CITY: WINCHESTER						
COMPANY: ABEX CORPORATION						
PHENOL	1000	0	42000	0	250	43250
TOLUENE	54250	0	2800	0	250	57300
COMPANY TOTAL:	55250	0	44800	0	500	100550
COMPANY: AMOCO FOAM PRODUCTS COMPANY						
CHLOROETHANE	267000	0	0	0	0	267000
COMPANY TOTAL:	267000	0	0	0	0	267000
COMPANY: ASHWORTH BROTHERS, INC.						
1,1,1-TRICHLOROETHANE	52000	0	0	0	0	52000
COMPANY TOTAL:	52000	0	0	0	0	52000
COMPANY: CROWN CORK & SEAL CO., INC.						
DIMETHYL PHTHALATE	338000	0	0	0	0	338000
GLYCOL ETHERS	41674	0	0	0	0	41674
METHYL ETHYL KETONE	140862	0	0	0	1303	142165
N-BUTYL ALCOHOL	181900	0	0	0	0	181900
XYLENE (MIXED ISOMERS)	1923096	0	0	0	2439	1925535
COMPANY TOTAL:	2625532	0	0	0	3742	2629274
COMPANY: FLEETWOOD TRAVEL TRAILERS OF VIRGINIA						
1,1,1-TRICHLOROETHANE	17000	0	0	0	0	17000
COMPANY TOTAL:	17000	0	0	0	0	17000
COMPANY: GENERAL ELECTRIC COMPANY - WINCHESTER LAMP PLANT						
LEAD	250	0	0	0	18938	19188
LEAD COMPOUNDS	250	0	0	0	117868	118118
COMPANY TOTAL:	500	0	0	0	136806	137306
COMPANY: NATIONAL FRUIT PRODUCT COMPANY						
AMMONIA	2967	0	0	0	0	2967
COMPANY TOTAL:	2967	0	0	0	0	2967
COMPANY: O'SULLIVAN CORPORATION - GULFSTREAM						
ACETONE	36307	0	0	0	0	36307
DICHLOROMETHANE	16020	0	0	0	0	16020
METHYL ISOBUTYL KETONE	12031	0	0	0	0	12031

APPENDIX H - SARA TITLE III SECTION 313 1988 RELEASE SUMMARY BY CITY (POUNDS)

CHEMICAL REPORTED	TOTAL AIR	WATER	ON-SITE LAND	POTW	OFF-SITE TRANS.	TOTAL RELEASES
TOLUENE	55383	0	0	0	0	55383
XYLENE (MIXED ISOMERS)	14061	0	0	0	0	14061
COMPANY TOTAL:	133802	0	0	0	0	133802
COMPANY: O'SULLIVAN CORPORATION - PLASTICS						
ACETONE	208386	0	0	0	0	208386
ANTIMONY COMPOUNDS	500	0	0	0	0	500
CUMENE	55890	0	0	0	0	55890
METHYL ETHYL KETONE	1818495	0	0	0	0	1818495
METHYL ISOBUTYL KETONE	815425	0	0	0	0	815425
N-DIOCTYL PHTHALATE	500	0	0	0	0	500
TOLUENE	120469	0	0	0	0	120469
XYLENE (MIXED ISOMERS)	103807	0	0	0	0	103807
COMPANY TOTAL:	3123472	0	0	0	0	3123472
COMPANY: RUBBERMAID COMMERCIAL PRODUCTS INC.						
1,1,1-TRICHLOROETHANE	750	0	0	0	6800	7550
N-DIOCTYL PHTHALATE	250	0	0	0	250	500
COMPANY TOTAL:	1000	0	0	0	7050	8050
COUNTY TOTAL:	6278523	0	44800	0	148098	6471421

APPENDIX I

APPENDIX I - SECTION 304 RELEASES BY CHEMICAL



1987-1990

APPENDIX I - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY CHEMICAL 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM

Under Section 304 of SARA Title III, facilities must immediately notify the Virginia Emergency Response Council (VERC) and the appropriate local emergency planning committee if there is a release into the environment of a listed hazardous substance that exceeds the reportable quantity for that substance. Substances subject to this requirement are those on the SARA Title III Section 302 list of extremely hazardous substances and those on the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) list of hazardous substances. Appendix I lists by chemical all emergency release notifications received by the VERC to date since the requirement became effective in August of 1987.				
CHEMICAL REPORTED: ACID PICKLING SOLUTION				
03/25/88	GALA INDUSTRIES	BOTETOURT COUNTY	0 GAL	UNKNOWN
CHEMICAL REPORTED: ACRYLIC RESIN ACRYLOID				
07/26/88	SEAGUARD	PORTSMOUTH	55 GAL	GROUND
CHEMICAL REPORTED: ACRYLONITRILE				
12/06/87	DU PONT - WAYNESBORO PLANT	WAYNESBORO	100 LBS	ONSITE/AIR
04/07/90	DU PONT - WAYNESBORO PLANT	WAYNESBORO	500 LBS	ONSITE/AIR
CHEMICAL REPORTED: AMMONIA				
06/08/88	ALLIED SIGNAL	HOPEWELL	1725 LBS	AIR
01/04/89	VALLEYDALE MEAT PRODUCTS	BRISTOL	10 GAL	GROUND
04/17/89	CARBONIC INDUSTRIES CORPORATION	RICHMOND	1000 LBS	AIR
04/19/89	ALLIED SIGNAL	HOPEWELL	12000 LBS	AIR
07/30/89	HOECHST CELANESE	PORTSMOUTH	96 LBS	AIR
08/21/89	HOLLY FARMS FOODS, INC.	HENRICO COUNTY	4000 LBS	AIR
03/11/90	GOLDEN ACRE FOODS	HARRISONBURG	3 LBS	AIR
05/09/90	ALLIED SIGNAL	HOPEWELL	1000 LBS	AIR
05/27/90	ALLIED SIGNAL	HOPEWELL	500 LBS	AIR
06/07/90	ALLIED SIGNAL	HOPEWELL	350 LBS	AIR
10/06/90	PERDUE FARMS	ROCKINGHAM COUNTY	9000 LBS	WASTE TREAT/AIR
CHEMICAL REPORTED: ASBESTOS				
09/27/88	VIRGINIA POWER - SURRY	SURRY	40 GAL	DISPOSAL

APPENDIX 1 - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY CHEMICAL 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM

CHEMICAL REPORTED: BENZENE				
07/04/90	HOECHST CELANESE - CELCO PLANT	GILES COUNTY	26 LBS	AIR
CHEMICAL REPORTED: CHLORINE				
11/22/87	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	50 LBS	AIR
03/16/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	200 LBS	AIR
05/22/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	35 LBS	AIR
05/23/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	52 LBS	AIR
06/08/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	300 LBS	AIR
07/22/88	JONES CHEMICAL	CAROLINE COUNTY	20 LBS	AIR
08/26/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	150 LBS	AIR
09/28/88	WESTVACO - BLEACHED BOARD DIVISION	COVINGTON	100 LBS	AIR
11/15/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	55 LBS	AIR
08/24/89	ALEXANDRIA SANITATION AUTHORITY	ALEXANDRIA	1425 LBS	AIR
CHEMICAL REPORTED: CHROMATED COPPER ARSENATE				
02/05/89	VIRGINIA WOOD PRESERVING	RICHMOND	100 GAL	FLOOR
CHEMICAL REPORTED: CYCLOHEXANONE				
08/13/90	ALLIED SIGNAL	HOPEWELL	1050 LBS	GROUND/AIR
CHEMICAL REPORTED: CYCLOHEXYLAMINE				
02/01/90	ALLIED FIBERS	CHESTERFIELD COUNTY	25 GAL	WATER/JAMES RVR
CHEMICAL REPORTED: DIBUTYL PHTHALATE				
10/19/88	HERCULES AEROSPACE COMPANY	RADFORD	786 LBS	GROUND/WATER
CHEMICAL REPORTED: DIESEL FUEL				
09/28/89	NCI-PROGRESSIVE (INSUREE)	SUFFOLK	0 UNK	GROUND

APPENDIX I - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY CHEMICAL 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM

CHEMICAL REPORTED: DIETHYL ETHER, DPB				
10/19/88	HERCULES AEROSPACE COMPANY	RADFORD	5381 LBS	GRND/WATER/AIR
CHEMICAL REPORTED: DIMETHYL SULFIDE				
08/17/89	SHENANDOAH GAS	WINCHESTER	16 LBS	GROUND/AIR
CHEMICAL REPORTED: ETHYL CHLORIDE				
07/26/89	AQUALON COMPANY	HOPEWELL	103 LBS	INDUS SEWER/AIR
CHEMICAL REPORTED: ETHYL ETHER				
01/22/89	HERCULES AEROSPACE COMPANY	RADFORD	150 LBS	GROUND/AIR
CHEMICAL REPORTED: ETHYLENE OXIDE				
02/01/89	AQUALON COMPANY	HOPEWELL	50 LBS	AIR
02/15/89	AQUALON COMPANY	HOPEWELL	50 LBS	AIR
04/04/89	AQUALON COMPANY	HOPEWELL	131 LBS	AIR
05/21/89	AQUALON COMPANY	HOPEWELL	750 LBS	AIR
05/28/90	AQUALON COMPANY	HOPEWELL	139000 LBS	IND SEWER
CHEMICAL REPORTED: FERRIC CHLORIDE				
06/14/90	LOWER POTOMAC POLLUTION CONTROL PLT	FAIRFAX COUNTY	0 UNK	AIR
CHEMICAL REPORTED: FREON 11				
03/19/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	7520 LBS	AIR
08/20/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	7000 LBS	AIR
08/20/90	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	3600 LBS	AIR
10/25/90	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	10050 LBS	AIR
CHEMICAL REPORTED: GREEN LIQUOR-HYDROGEN SULFIDE				
05/04/88	WESTVACO - BLEACHED BOARD DIVISION	COVINGTON	285000 GAL	ONSITE TREAT

APPENDIX I - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY CHEMICAL 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM

CHEMICAL REPORTED: HYDROGEN SULFIDE				
05/18/89	AMOCO OIL CO - YORKTOWN REFINERY	YORK COUNTY	931 LBS	AIR
07/18/89	AMOCO OIL CO - YORKTOWN REFINERY	YORK COUNTY	490 LBS	AIR
CHEMICAL REPORTED: METHANOL				
06/04/88	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	14096 LBS	AIR/SOIL
08/02/89	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	25042 LBS	GROUND/AIR
08/17/89	AQUALON COMPANY	HOPEWELL	12617 LBS	AIR
08/18/89	AQUALON COMPANY	HOPEWELL	493 LBS	AIR
CHEMICAL REPORTED: METHYL BROMIDE				
11/22/90	NABISCO BRANDS	RICHMOND	1900 LBS	AIR
CHEMICAL REPORTED: NITRIC ACID				
04/13/89	HERCULES AEROSPACE COMPANY	RADFORD	500 LBS	GROUND
08/20/89	BABCOCK & WILCOX	LYNCHBURG	2900 LBS	GROUND
09/02/89	AQUALON COMPANY	HOPEWELL	2820 LBS	INDUS SEWER/AIR
CHEMICAL REPORTED: PARAQUAT				
06/12/89	SOUTHERN STATES PR WM/FAUQUIER	FAUQUIER COUNTY	15 QTS	GROUND
CHEMICAL REPORTED: PCB OIL				
03/29/88	WESTVACO - BLEACHED BOARD DIVISION	COVINGTON	1 LB	GROUND
CHEMICAL REPORTED: PERCHLOROETHYLENE				
12/18/87	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	10 GAL	GROUND/SEWER
09/02/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	15 GAL	ASPHALT
05/14/90	VIRGINIA-CAROLINA LAUNDRY SUPPLY	RICHMOND	60 GAL	GROUND
CHEMICAL REPORTED: PHENOL				
08/13/90	ALLIED SIGNAL	HOPEWELL	2350 LBS	GROUND/AIR

APPENDIX I - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY CHEMICAL 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM

CHEMICAL REPORTED: PHENOL - FORMALDEHYDE				
11/30/88	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	1840 GAL	GROUND/AIR
CHEMICAL REPORTED: POTASSIUM PERMANGANATE				
08/12/89	TILLEY CHEMICAL COMPANY	FAIRFAX COUNTY	19250 LBS	AIR/GROUND
CHEMICAL REPORTED: PROPYLENE OXIDE				
05/08/89	AQUALON COMPANY	HOPEWELL	140 LBS	AIR
07/30/90	AQUALON COMPANY	HOPEWELL	9100 LBS	IND SEWER
CHEMICAL REPORTED: RESIN/METHANOL/POLYVINYL ACETATE				
07/25/89	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	150 GAL	WATER/GROUND
CHEMICAL REPORTED: SODIUM HYPOCHLORITE SOLUTION				
01/23/90	JONES CHEMICAL	CAROLINE COUNTY	200 GAL	CONTAINMENT/GRD
CHEMICAL REPORTED: SULFUR DIOXIDE				
08/07/87	DU PONT - WAYNESBORO PLANT	WAYNESBORO	10 LBS	AIR
12/10/87	DU PONT - WAYNESBORO PLANT	WAYNESBORO	5 LBS	AIR
12/28/88	BEAR ISLAND PAPER COMPANY	HANOVER COUNTY	40900 LBS	AIR
02/06/89	HOECHST CELANESE/AT BEAR ISLAND	HANOVER COUNTY	600 LBS	AIR
05/01/89	DU PONT - WAYNESBORO PLANT	WAYNESBORO	10 LBS	AIR
05/16/89	JONES CHEMICAL	CAROLINE COUNTY	6 LBS	AIR
10/02/89	JONES CHEMICAL	CAROLINE COUNTY	2 LBS	AIR/GROUND
CHEMICAL REPORTED: SULFURIC ACID				
11/17/87	POTOMAC ELECTRIC POWER COMPANY	ALEXANDRIA	2016 GAL	POTOMAC RIVER
04/04/88	HERCULES AEROSPACE COMPANY	RADFORD	38300 LBS	GROUND/WATER
07/19/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	4647 LBS	GROUND
08/02/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	74358 LBS	ONSITE TREAT
08/20/88	VIRGINIA POWER - YORKTOWN	YORK COUNTY	57450 LBS	NEUTRAL SUMP

APPENDIX I - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY CHEMICAL 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
04/13/89	HERCULES AEROSPACE COMPANY	RADFORD	500 LBS	GROUND
09/26/89	HERCULES AEROSPACE COMPANY	RADFORD	6000 LBS	GROUND
10/03/89	AQUALON COMPANY	HOPEWELL	12393 LBS	INDUS SEWER
07/15/90	AQUALON COMPANY	HOPEWELL	300 GAL	DIKED AREA
08/06/90	AQUALON COMPANY	HOPEWELL	200 GAL	WASTE TREAT
CHEMICAL REPORTED: TAINTED WATER				
02/02/89	CHEMTREAT INC	HANOVER COUNTY	5 GAL	FLOOR
CHEMICAL REPORTED: TENNANT 658 (CLEANING SOLUTION)				
02/09/90	NAVAL AIR STATION OCEANA	VIRGINIA BEACH	50 GAL	ASPHALT/DRAIN
CHEMICAL REPORTED: TETRAHYDROFURAN				
08/18/89	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	7000 LBS	AIR
CHEMICAL REPORTED: TOLUENE				
09/08/87	WESTVACO - FOLDING BOX DIVISION	RICHMOND	0 UNK	GROUND
08/18/89	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	3400 LBS	AIR
CHEMICAL REPORTED: TREATING SOLUTION				
09/14/88	COMMONWEALTH WOOD PRESERVERS, INC	HAMPTON	75 GAL	GRAVEL
CHEMICAL REPORTED: WASTE WATER				
08/20/90	AT&T	RICHMOND	500 GAL	SOIL

APPENDIX J

APPENDIX J - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY DATE OF RELEASE 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
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Under Section 304 of SARA Title III, facilities must immediately notify the Virginia Emergency Response Council (VERC) and the appropriate local emergency planning committee if there is a release into the environment of a listed hazardous substance that exceeds the reportable quantity for that substance. Substances subject to this requirement are those on the SARA Title III Section 302 list of extremely hazardous substances and those on the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) list of hazardous substances. Appendix J lists by date of release all emergency release notifications received by the VERC to date since the requirement became effective in August of 1987.

08/07/87	DU PONT - WAYNESBORO PLANT	WAYNESBORO	10 LBS	AIR
09/08/87	WESTVACO - FOLDING BOX DIVISION	RICHMOND	0 UNK	GROUND
11/17/87	POTOMAC ELECTRIC POWER COMPANY	ALEXANDRIA	2016 GAL	POTOMAC RIVER
11/22/87	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	50 LBS	AIR
12/06/87	DU PONT - WAYNESBORO PLANT	WAYNESBORO	100 LBS	ONSITE/AIR
12/10/87	DU PONT - WAYNESBORO PLANT	WAYNESBORO	5 LBS	AIR
12/18/87	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	10 GAL	GROUND/SEWER
03/16/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	200 LBS	AIR
03/19/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	7520 LBS	AIR
03/25/88	GALA INDUSTRIES	BOTETOURT COUNTY	0 GAL	UNKNOWN
03/29/88	WESTVACO - BLEACHED BOARD DIVISION	COVINGTON	1 LB	GROUND
04/04/88	HERCULES AEROSPACE COMPANY	RADFORD	38300 LBS	GROUND/WATER
05/04/88	WESTVACO - BLEACHED BOARD DIVISION	COVINGTON	285000 GAL	ONSITE TREAT
05/22/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	35 LBS	AIR
05/23/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	52 LBS	AIR

APPENDIX J - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY DATE OF RELEASE 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
06/04/88	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	14096 LBS	AIR/SOIL
06/08/88	ALLIED SIGNAL	HOPEWELL	1725 LBS	AIR
06/08/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	300 LBS	AIR
07/19/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	4647 LBS	GROUND
07/22/88	JONES CHEMICAL	CAROLINE COUNTY	20 LBS	AIR
07/26/88	SEAGUARD	PORTSMOUTH	55 GAL	GROUND
08/02/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	74358 LBS	ONSITE TREAT
08/20/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	7000 LBS	AIR
08/20/88	VIRGINIA POWER - YORKTOWN	YORK COUNTY	57450 LBS	NEUTRAL SUMP
08/26/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	150 LBS	AIR
09/02/88	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	15 GAL	ASPH/LT
09/14/88	COMMONWEALTH WOOD PRESERVERS, INC	HAMPTON	75 GAL	GRAVEL
09/27/88	VIRGINIA POWER - SURRY	SURRY	40 GAL	DISPOSAL
09/28/88	WESTVACO - BLEACHED BOARD DIVISION	COVINGTON	100 LBS	AIR
10/19/88	HERCULES AEROSPACE COMPANY	RADFORD	5381 LBS	GRND/WATER/AIR
10/19/88	HERCULES AEROSPACE COMPANY	RADFORD	786 LBS	GROUND/WATER
11/15/88	UNION CAMP - FINE PAPER DIVISION	FRANKLIN	55 LBS	AIR
11/30/88	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	1840 GAL	GROUND/AIR
12/28/88	BEAR ISLAND PAPER COMPANY	HANOVER COUNTY	40900 LBS	AIR

APPENDIX J - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY DATE OF RELEASE 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
01/04/89	VALLEYDALE MEAT PRODUCTS	BRISTOL	10 GAL	GROUND
01/22/89	HERCULES AEROSPACE COMPANY	RADFORD	150 LBS	GROUND/AIR
02/01/89	AQUALON COMPANY	HOPEWELL	50 LBS	AIR
02/02/89	CHEMTREAT INC	HANOVER COUNTY	5 GAL	FLOOR
02/05/89	VIRGINIA WOOD PRESERVING	RICHMOND	100 GAL	FLOOR
02/06/89	HOECHST CELANESE/AT BEAR ISLAND	HANOVER COUNTY	600 LBS	AIR
02/15/89	AQUALON COMPANY	HOPEWELL	50 LBS	AIR
04/04/89	AQUALON COMPANY	HOPEWELL	131 LBS	AIR
04/13/89	HERCULES AEROSPACE COMPANY	RADFORD	500 LBS	GROUND
04/13/89	HERCULES AEROSPACE COMPANY	RADFORD	500 LBS	GROUND
04/17/89	CARBONIC INDUSTRIES CORPORATION	RICHMOND	1000 LBS	AIR
04/19/89	ALLIED SIGNAL	HOPEWELL	12000 LBS	AIR
05/01/89	DU PONT - WAYNESBORO PLANT	WAYNESBORO	10 LBS	AIR
05/08/89	AQUALON COMPANY	HOPEWELL	140 LBS	AIR
05/16/89	JONES CHEMICAL	CAROLINE COUNTY	6 LBS	AIR
05/18/89	AMOCO OIL CO - YORKTOWN REFINERY	YORK COUNTY	931 LBS	AIR
05/21/89	AQUALON COMPANY	HOPEWELL	750 LBS	AIR
06/12/89	SOUTHERN STATES PR WM/FAUQUIER	FAUQUIER COUNTY	15 QTS	GROUND
07/18/89	AMOCO OIL CO - YORKTOWN REFINERY	YORK COUNTY	490 LBS	AIR

APPENDIX J - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY DATE OF RELEASE 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
07/25/89	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	150 GAL	WATER/GROUND
07/26/89	AQUALON COMPANY	HOPEWELL	103 LBS	INDUS SEWER/AIR
07/30/89	HOECHST CELANESE	PORTSMOUTH	96 LBS	AIR
08/02/89	JAMES RIVER CORP - FILTRATION DIV	RICHMOND	25042 LBS	GROUND/AIR
08/12/89	TILLEY CHEMICAL COMPANY	FAIRFAX COUNTY	19250 LBS	AIR/GROUND
08/17/89	AQUALON COMPANY	HOPEWELL	12617 LBS	AIR
08/17/89	SHENANDOAH GAS	WINCHESTER	16 LBS	GROUND/AIR
08/18/89	AQUALON COMPANY	HOPEWELL	493 LBS	AIR
08/18/89	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	7000 LBS	AIR
08/18/89	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	3400 LBS	AIR
08/20/89	BABCOCK & WILCOX	LYNCHBURG	2900 LBS	GROUND
08/21/89	HOLLY FARMS FOODS, INC.	HENRICO COUNTY	4000 LBS	AIR
08/24/89	ALEXANDRIA SANITATION AUTHORITY	ALEXANDRIA	1425 LBS	AIR
09/02/89	AQUALON COMPANY	HOPEWELL	2820 LBS	INDUS SEWER/AIR
09/26/89	MERCULES AEROSPACE COMPANY	RADFORD	6000 LBS	GROUND
09/28/89	NCI-PROGRESSIVE (INSUREE)	SUFFOLK	0 UNK	GROUND
10/02/89	JONES CHEMICAL	CAROLINE COUNTY	2 LBS	AIR/GROUND
10/03/89	AQUALON COMPANY	HOPEWELL	12393 LBS	INDUS SEWER
01/23/90	JONES CHEMICAL	CAROLINE COUNTY	200 GAL	CONTAINMENT/GRD

APPENDIX J - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY DATE OF RELEASE 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
02/01/90	ALLIED FIBERS	CHESTERFIELD COUNTY	25 GAL	WATER/JAMES RVR
02/09/90	NAVAL AIR STATION OCEANA	VIRGINIA BEACH	50 GAL	ASPHALT/DRAIN
03/11/90	GOLDEN ACRE FOODS	HARRISONBURG	3 LBS	AIR
04/07/90	DU PONT - WAYNESBORO PLANT	WAYNESBORO	500 LBS	ONSITE/AIR
05/09/90	ALLIED SIGNAL	HOPEWELL	1000 LBS	AIR
05/14/90	VIRGINIA-CAROLINA LAUNDRY SUPPLY	RICHMOND	60 GAL	GROUND
05/27/90	ALLIED SIGNAL	HOPEWELL	500 LBS	AIR
05/28/90	AQUALON COMPANY	HOPEWELL	139000 LBS	IND SEWER
06/07/90	ALLIED SIGNAL	HOPEWELL	350 LBS	AIR
06/14/90	LOWER POTOMAC POLLUTION CONTROL PLT	FAIRFAX COUNTY	0 UNK	AIR
07/04/90	HOECHST CELANESE - CELCO PLANT	GILES COUNTY	26 LBS	AIR
07/15/90	AQUALON COMPANY	HOPEWELL	300 GAL	DIKED AREA
07/30/90	AQUALON COMPANY	HOPEWELL	9100 LBS	IND SEWER
08/06/90	AQUALON COMPANY	HOPEWELL	200 GAL	WASTE TREAT
08/13/90	ALLIED SIGNAL	HOPEWELL	1050 LBS	GROUND/AIR
08/13/90	ALLIED SIGNAL	HOPEWELL	2350 LBS	GROUND/AIR
08/20/90	AT&T	RICHMOND	500 GAL	SOIL
08/20/90	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	3600 LBS	AIR
10/06/90	PERDUE FARMS	ROCKINGHAM COUNTY	9000 LBS	WASTE TREAT/AIR

APPENDIX J - SARA TITLE III SECTION 304 RELEASE NOTIFICATIONS BY DATE OF RELEASE 1987-1990

DATE	COMPANY	LOCATION	QUANTITY RELEASED	MEDIUM
10/25/90	DU PONT - SPRUANCE PLANT	CHESTERFIELD COUNTY	10050 LBS	AIR
11/22/90	NABISCO BRANDS	RICHMOND	1900 LBS	AIR

APPENDIX K

HIGHWAY SAFETY

ARTICLE 6

Transportation of Hazardous Materials by Motor Vehicle

Editor's note: Section 10 of chapter 327, Session Laws of Colorado 1987, provides that the act enacting this article is effective July 1, 1987, and its penalty provisions apply to acts committed on or after said date; except that the penalty provisions of part 2 of this article apply to acts committed on or after October 1, 1987, and the penalty provisions of part 3 of this article apply to acts committed on or after July 1, 1988.

Cross references: For criminal provisions relating to hazardous waste violations, see § 18-13-112, for provisions relating to hazardous waste disposal and management, see article 15 of title 25; for provisions relating to hazardous substance incidents, see article 22 of title 29, for the "Transportation of Hazardous Materials Act", see article 2.1 of title 40; for the "Colorado Nuclear Materials Transportation Act of 1986", see article 2.2 of title 40.

PART 1		43-6-104.	General powers and duties of chief - department of public safety - cooperation from other state agencies.
GENERAL PROVISIONS			
43-6-101.	Short title.	43-6-105.	Enforcement.
43-6-102.	Legislative declaration.	43-6-106.	Regulatory authority of local governments - preemption - disposition of local fines and penalties.
43-6-103.	Definitions.		

PART 1

GENERAL PROVISIONS

43-6-101. Short title. This article shall be known and may be cited as the "Hazardous Materials Transportation Act of 1987".

Source: Added, L. 87, p. 1559, § 1.

43-6-102. Legislative declaration. The general assembly finds that the permitting and routing of motor vehicles transporting hazardous materials is a matter of statewide concern and is affected with a public interest and that the provisions of this article are enacted in the exercise of the police powers of this state for the purpose of protecting the health, peace, safety, and welfare of the people of this state.

Source: Added, L. 87, p. 1559, § 1.

43-6-103. Definitions. As used in this article, unless the context otherwise requires:

- (1) "Chief" means the chief of the Colorado state patrol.
- (2) "Enforcement official" means, and is limited to, an officer of the patrol, a certified port of entry officer, an investigating official of the transportation section of the public utilities commission, or any peace officer, level I, as defined in section 18-1-901 (3) (I) (I), C.R.S.
- (3) "Hazardous materials" means those materials listed in tables 1 and 2 of 49 C.F.R. 172.504, excluding highway route controlled quantities of radioactive materials as defined in 49 C.F.R. 173.403 (I), excluding ores, the products from mining, milling, smelting, and similar processing of ores, and the wastes and tailing therefrom, and excluding special fireworks as defined in 49 C.F.R. 173.88(d) when the aggregate amount of flash powder does not exceed fifty pounds.

(4) "Motor vehicle" means any device which is capable of moving from place to place upon public roads. The term includes, but is not limited to, any motorized vehicle or any such vehicle with a trailer or semitrailer attached thereto.

(5) "Patrol" means the Colorado state patrol within the department of public safety.

(6) "Person" means an individual, a corporation, a government or governmental subdivision or agency, a partnership, an association, or any other legal entity; except that separate divisions of the same corporation may, at their request, be treated as separate persons for the purposes of part 2 of this article.

(7) "Public road" means every way publicly maintained and opened to the use of the public for the purposes of vehicular travel, including, but not limited to, streets, bridges, toll roads, tunnels, and state and federal highways.

Source: Added, L. 87, p. 1559, § 1.

43-6-104. General powers and duties of chief - department of public safety - cooperation from other state agencies. (1) In addition to any other powers and duties granted to him in this article, the chief shall promulgate such rules and regulations and conduct such hearings as may be necessary for the administration of this article.

(2) In addition to any other powers and duties granted to him in this article and except as otherwise provided in this article, the chief shall have the general authority and duty to carry out the provisions of this article and shall promulgate such rules and regulations, subject to the provisions of article 4 of title 24, C.R.S., as may be necessary to clarify the enforcement provisions of this article.

(3) Upon request, other agencies of state government, including but not limited to the department of health and the state department of highways, shall provide advice and assistance to the department of public safety relating to the program established by this article.

Source: Added. L. 87, p. 1560, § 1.

43-6-105. Enforcement. (1) The provisions of this article relating to the transportation of hazardous materials by motor vehicle may only be enforced by an enforcement official.

(2) Any enforcement official shall have the authority to issue civil penalty assessments for the penalties specified in section 43-6-204 (1) and (2) and section 43-6-305 (2). At any time that a person is cited for a violation to which any of said penalties applies, the person in charge of or operating the motor vehicle involved shall be given a notice in the form of a civil penalty assessment notice. Such notice shall be tendered by the enforcement official and shall contain the name and address of such person, the license number of the motor vehicle involved, if any, the number of such person's driver's license, the nature of the violation, the amount of the penalty prescribed for such violation, the date of the notice, a place for such person

to execute a signed acknowledgment of his receipt of the civil penalty assessment notice, a place for such person to execute a signed acknowledgment of liability for the cited violation, and such other information as may be required by law to constitute such notice as a complaint to appear in court should the prescribed penalty not be paid within ten days. Every cited person shall execute the signed acknowledgment of his receipt of the civil penalty assessment notice. The acknowledgment of liability shall be executed at the time the cited person pays the prescribed penalty. The person cited shall pay the specified civil penalty at the office of the department of revenue, either in person or by postmarking such payment within ten days after the citation. If the person cited does not pay the prescribed penalty within ten days of the notice, the civil penalty assessment notice shall constitute a complaint to appear in court, and the person cited shall, within the time specified in the civil penalty assessment notice, file an answer to this complaint with the county court of the county in which the penalty assessment was issued.

(3) All enforcement officials may, at their discretion and in lieu of issuing the civil penalty assessments pursuant to subsection (2) of this section, issue warning citations to persons who violate the provisions of this article.

(4) Enforcement of any law relating to the fixed-site storage or use of hazardous materials shall not be affected by the provisions of this article.

Source: Added, L. 87, p. 1560, § 1.

43-6-106. Regulatory authority of local governments - preemption - disposition of local fines and penalties. (1) Except as specifically authorized in this article, no county, town, city, or city and county shall have any authority to regulate the transportation of hazardous materials separate and apart from the regulation of other commodities. However, a county, town, city, or city and county may adopt and enforce regulations or ordinances which are no more stringent than the provisions of state law and regulations adopted pursuant thereto, if violations of such local regulations or ordinances carry penalties which are not more than the penalties imposed upon violations of state law and regulations adopted pursuant thereto. Any local government which adopts a regulation or ordinance pursuant to this section shall file a certified copy of such regulation or ordinance, and any amendment thereto, with the patrol.

(2) No person shall be prosecuted for a violation of both the provisions of this article and the provisions of such local ordinance or regulation when such prosecution arises out of the same incident.

Source: Added, L. 87, p. 1561, § 1.

43-6-107. Hazardous materials safety fund. (1) There is hereby created in the state treasury the hazardous materials safety fund, which shall consist of:

(a) Such moneys as may be appropriated thereto by the general assembly from time to time;

(b) Any permit fees collected pursuant to section 43-6-202;

(c) Any civil penalties collected by a state agency or by a court upon an action brought by a state agency, as provided in section 43-6-305 (3);

(d) Any civil penalties collected pursuant to section 43-6-204 (4);

(e) Any gifts or donations made to the state of Colorado or any agency thereof specifically for the purpose of carrying out the provisions of this article;

(f) Any federal funds made available to the state of Colorado or any agency thereof specifically for the purpose of carrying out the provisions of this article.

(2) The moneys in the hazardous materials safety fund shall be subject to appropriation by the general assembly for the purposes of this article.

(3) At the end of each fiscal year, any moneys remaining in the hazardous materials safety fund shall not revert to the general fund but shall be subject to appropriation by the general assembly to the executive director of the department of public safety for disbursement to local governments for purposes related to the preparation and training for and response to hazardous materials incidents.

Source: Added, L. 87, p. 1561, § 1.

43-6-108. Rules and regulations for transportation of hazardous materials.

(1) The chief shall promulgate rules and regulations pursuant to section 24-4-103, C.R.S., for the permitting and routing of hazardous materials transportation by motor vehicle within this state and the inspection of vehicles transporting hazardous materials. Such rules and regulations shall be no more stringent than the requirements contained in federal statutes relating to the transportation of hazardous materials and rules and regulations promulgated thereunder, as amended from time to time.

(2) In adopting such rules and regulations, the chief shall use as general guidelines the standards contained in the rules and regulations of the United States department of transportation relating to explosives and other dangerous articles. The rules and regulations adopted by the chief shall not unduly burden interstate or intrastate commerce, and they shall be no more stringent than the rules and regulations of the United States department of transportation and the United States environmental protection agency.

(3) The rules and regulations adopted by the chief pursuant to this section shall not apply to farm machinery which is exempted from registration requirements pursuant to section 42-3-102, C.R.S., agricultural distribution equipment attached to or conveyed by such farm machinery, or vehicles when used to transport to or from the farm or ranch site products necessary for agricultural production, except when such vehicles are used in furtherance of any commercial business other than agriculture.

(4) The rules and regulations adopted by the chief shall provide for the issuance of a certificate of inspection which shall exempt inspected vehicles from additional inspections for a period of at least sixty days unless there is probable cause to assume that the vehicle is in an unsafe condition.

Source: Added, L. 87, p. 1562, § 1.

43-6-109. Penalty for violations. Any person who violates a rule or regulation promulgated by the chief pursuant to section 43-6-104 commits a class

3 misdemeanor and shall be punished as provided in section 18-1-106, C.R.S. No conviction pursuant to this section shall bar enforcement by the public utilities commission of any provision of title 40, C.R.S., with respect to violations by persons subject to said title.

Source: Added, L. 87, p. 1562, § 1.

43-6-110. Immobilization of unsafe vehicles. Any enforcement official shall have the power to immobilize, impound, or otherwise direct the disposition of motor vehicles transporting hazardous materials when the enforcement official deems that the motor vehicle or the operation thereof is unsafe and when such immobilization, impoundment, or disposition is appropriate under or required by rules and regulations promulgated by the chief pursuant to section 43-6-104.

Source: Added, L. 87, p. 1563, § 1.

43-6-111. Additional penalties. Any person, corporation, partnership, or other entity which intentionally or knowingly authorizes, solicits, requests, commands, conspires in, or aids and abets in the violation of any of the provisions of this article commits a class 1 misdemeanor and shall be punished as provided in section 18-1-106, C.R.S.

Source: Added, L. 87, p. 1563, § 1.

PART 2

PERMIT SYSTEM

43-6-201. Hazardous materials transportation permit required. Except as otherwise provided in this part 2, no transportation of hazardous materials by motor vehicle which requires placarding under 49 C.F.R. 172 or 173 shall take place in, to, from, or through this state until the public utilities commission issues a permit, in accordance with the provisions of this part 2, authorizing the applicant to operate or move upon the public roads of this state a motor vehicle or a combination of motor vehicles which carries hazardous materials. This part 2 shall not apply to motor vehicles owned by the federal government, motor vehicles when used to transport to or from the farm or ranch site products used for agricultural production, or farm machinery which is exempted from registration requirements by section 42-3-102, C.R.S., unless such vehicles are used in furtherance of any commercial business other than agriculture. This part 2 shall apply to motor vehicles owned by the state or any political subdivision thereof; except that such vehicles shall be exempt from the fees provided in section 43-6-202. The requirements of this part 2 shall be in addition to, and not in substitution for, any other provisions of law.

43-6-202. Transportation permit - application fee. (1) (a) Except as otherwise provided in this section, each person desiring to transport hazardous materials which require placarding under 49 C.F.R. 172 or 173 in, to, from, or through this state shall submit a permit application for an annual permit to the public utilities commission prior to beginning such transportation. Permit applications shall be in a form designated by the public utilities commission, and the public utilities commission shall maintain records of all such applications.

(b) Each annual permit shall be valid for one year following its issuance and shall be issued after the approval of the permit application by the public utilities commission and upon the payment of a permit fee, which fee shall be based on the number of motor vehicles the applicant operates within this state, as follows:

Number of Motor Vehicles	<u>Permit Fee</u>
1 - 5	\$ 10
6 - 10	\$ 25
11 - 50	\$ 125
51 - 100	\$ 200
101 - 300	\$ 350
over 300	\$ 400

(c) Single trip permits may be obtained at all port of entry weigh stations. Each person transporting such hazardous materials in, to, from, or through this state who has not obtained an annual permit from the public utilities commission shall apply at the closest possible port of entry weigh station for a single trip permit. Each single trip permit shall be valid for a single continuous business venture, but in no event shall the permit be valid for more than seventy-two hours, unless extended by any enforcement official for any reason he deems advisable, including mechanical difficulties and road and weather conditions. The single trip permit shall be issued upon the approval of the permit application and upon the payment of a twenty-five-dollar permit fee.

(2) No annual or single trip permit application shall be approved unless the applicant:

(a) Supplies proof of having obtained liability insurance as required by the United States department of transportation pursuant to 49 C.F.R. 387. Proof of such liability insurance policy shall be filed with the patrol or with the port of entry weigh station in the case of a single trip permit. The insurance carrier shall give ninety days' written notice to the patrol before the cancellation of such policy. At any time that the insurance policy lapses, the permit shall be automatically revoked.

(b) Agrees to comply with the rules and regulations promulgated pursuant to section 43-6-108.

(3) The chief is authorized to promulgate such reasonable rules and regulations as may be necessary or desirable in governing the issuance of permits, if such rules and regulations are not in conflict with other provisions of state law.

(4) Any fees collected pursuant to this section shall be transmitted to the state treasurer, who shall credit the same to the hazardous materials safety fund created in section 43-6-107.

Source: Added, L. 87, p. 1563, § 1.

43-6-203. Carrying of permit and shipping papers. (1) Any person transporting hazardous materials which require placarding under 49 C.F.R. 172 or 173 in this state shall carry a copy of the shipping papers required in 49 C.F.R. 172.200 and a copy of the hazardous materials transportation permit issued by the public utilities commission or the port of entry weigh station in the transporting motor vehicle while in this state. Such permit shall be open to inspection by any enforcement official.

(2) In the event of an accident involving hazardous materials, the operator of the motor vehicle shall provide the shipping papers to the emergency response authorities designated in or pursuant to article 22 of title 29, C.R.S., and immediately bring to their attention the fact that the motor vehicle is carrying hazardous materials.

Source: Added, L. 87, p. 1564, § 1.

43-6-204. Permit violations - penalties. (1) Any person who transports hazardous materials without a permit in violation of any of the provisions of section 43-6-201 shall be assessed a civil penalty of two hundred fifty dollars. Any person who intentionally transports hazardous materials without a permit in violation of any of the provisions of section 43-6-201 commits a class 1 misdemeanor and shall be punished as provided in section 18-1-106, C.R.S. For the purposes of this subsection (1), if any person who previously has been assessed a civil penalty or has been convicted of a misdemeanor pursuant to this subsection (1) subsequently transports hazardous materials without a permit in violation of any of the provisions of section 43-6-201, a permissive inference is created that such subsequent transportation without a permit was intentional.

(2) Any person who has obtained an annual or a single trip hazardous materials transportation permit but fails to have a copy of said permit in the cab of the motor vehicle while transporting hazardous materials in, to, from, or through this state shall be assessed a civil penalty of twenty-five dollars.

(3) Any person who knowingly violates any of the terms and conditions of an annual or single trip hazardous materials transportation permit commits a class 1 misdemeanor and shall be punished as provided in section 18-1-106, C.R.S.

(4) All civil penalties collected pursuant to this section by a state agency or by a court upon an action brought by a state agency shall be transmitted to the state treasurer, who shall credit the same to the hazardous materials safety fund created in section 43-6-107. Any civil penalties may be collected as provided in section 43-6-105 (2).

43-6-205. Permit suspension or revocation. In addition to any other civil or criminal penalties, the public utilities commission may suspend the hazardous materials transportation annual permit for a period not to exceed six months or may revoke such permit for failure to comply with the terms and conditions of such permit, for failure to pay a civil penalty assessed pursuant to section 43-6-204, or for continuing violations of the regulations promulgated pursuant to this article. The permit may be suspended or revoked only for good cause shown after due notice and an opportunity for a hearing as provided in article 4 of title 24, C.R.S., if requested by the permit holder.

Source: Added, L. 87, p. 1565, § 1.

43-6-206. Local government preemption. No county, city and county, city, or town shall establish any permit or fee system for the transportation of hazardous materials by motor vehicle.

Source: Added, L. 87, p. 1565, § 1.

PART 3

ROUTE DESIGNATION

43-6-301. Route designation. (1) The patrol, after consultation with local governmental authorities, shall have the sole authority to designate which public roads shall be used and which shall not be used by motor vehicles transporting hazardous materials. The exercise of such authority shall be made pursuant to section 43-6-302. Such designation shall exempt gasoline, diesel fuel, and liquefied petroleum gas unless the petitioning authority specified in section 43-6-302 requests their inclusion. Such designation may include route restrictions, closing of streets and highways, and whatever other conditions or restrictions the patrol deems advisable, except for hours of operation and curfews. Any such designation in this part 3 shall be referred to as a route designation. Routes designated by the patrol pursuant to this part 3 shall not apply to motor vehicles when used to transport to or from the farm or ranch site products necessary for agricultural production. No city, county, or city and county may impose restrictions on hours of operation on designated routes; except that this provision shall not apply to any city, county, or city and county which, by resolution or ordinance, had routes or hours of operation restrictions in effect on July 1, 1985.

(2) The patrol may approve route designations only for those materials listed in table 1 of 49 C.F.R. 172.504, in any quantities, and those materials listed in table 2 of 49 C.F.R. 172.504, when carried in quantities of five hundred gallons or more; except that the patrol may not accept or approve route designations for those materials listed in table 2 when packaged in containers of five gallons or less or when packaged as consumer commodities as defined in 49 C.F.R. 173.1200.

(3) Notwithstanding any other provision of this article to the contrary, the commission may regulate hours of operation of Eisenhower tunnel on interstate 70.

Source: Added, L. 87, p. 1565, § 1.

43-6-302. Application for route designation - procedure - approval. (1) On or before July 1, 1988, a petition for a route designation may be submitted to the patrol:

(a) By a county, with respect to any public road maintained by the county, upon approval of the petition by the board of county commissioners of such county;

(b) By a town, city, or city and county, with respect to any public road located within such town, city, or city and county, upon approval of the petition by the governing body of such town, city, or city and county;

(c) By the state department of highways, with respect to any public road maintained by the state, except for any public road located within a town, city, or city and county, upon approval of the petition by the state highway commission.

(2) A county, town, city, or city and county, with approval of the patrol, may adopt and enforce regulations or ordinances concerning the parking of motor vehicles, if such regulations and ordinances, as enforced or applied, do not prohibit or exclude motor vehicles carrying hazardous materials from the enforcing jurisdiction and do not unreasonably limit parking on or near the designated routes through the enforcing jurisdiction or for pickup and delivery.

(3) The petition shall describe specifically the designation sought, shall identify any local business or industry which is known to be significantly reliant on hazardous materials transportation and which would be affected by the designation, and shall include any other information which is necessary for the patrol to act upon the petition and which is required by rule and regulation of the patrol.

(4) Upon the filing of a complete petition with the patrol, the patrol shall give adequate public notice of such petition, including at least the following:

(a) Notification by certified mail to the governing body of any county, town, city, or city and county which would be affected by the route designation; and

(b) Publication in a newspaper having general circulation in each affected community once each week for three consecutive weeks.

(5) If the petitioner is not the state department of highways, the patrol shall provide a copy of the petition to the state department of highways for its review and comment.

(6) No sooner than thirty days after the requirements of subsections (3) and (4) of this section have been met and after reasonable notice to the petitioner, to the state department of highways, and to any persons requesting such notice, the patrol shall hold an informal public conference on the petition. At such conference, representatives of the petitioner and the state department of highways and any interested persons shall be afforded the opportunity to comment on the petition, and the petitioner shall have the opportunity to amend the petition. The patrol shall approve the designation

if there is no opposition to the petition and if the requirements of subsection (7) of this section have been met.

(7) If there is opposition to the petition at the informal public conference and no agreement can be reached, the patrol shall hold a formal public hearing and act on the petition in accordance with the provisions of article 4 of title 24, C.R.S.

(8) No route designation shall be approved by the patrol unless it finds that:

(a) The routes available for the transportation of hazardous materials by motor vehicle:

(I) Are feasible, practicable, and not unreasonably expensive for such transportation;

(II) Are continuous within a jurisdiction and from one jurisdiction to another;

(III) Provide greater safety to the public than other feasible routes; and

(IV) Do not unreasonably burden interstate or intrastate commerce;

(b) The designation is not arbitrary or intended by the petitioner merely to divert the transportation of hazardous materials to other communities;

(c) Reasonable provision is made for signs along the affected public roads giving adequate notice of the designation to the public, to affected industry, and to transporters of hazardous materials. Such signs shall not be required in jurisdictions where the governmental authority has provided the patrol with professional quality maps which indicate the route designations in that jurisdiction.

(d) The designation will not interfere with the pickup or delivery of hazardous materials; and

(e) The designation is consistent with all applicable federal laws and regulations.

(9) Any town, city, city and county, or county may request the state department of highways to submit a petition to the patrol for a route designation on any highway maintained by the state within the jurisdiction of said local entity.

(10) The patrol shall make a final decision to approve or deny any petition for a route designation within six months of the filing of the petition.

(11) The patrol shall approve route designations for gasoline, diesel fuel, and liquefied petroleum gas requested by petitioning authorities under section 43-6-301 (1) where such designations follow routes approved by the patrol for other hazardous materials under this section.

Source: Added and (2) amended, L. 87, pp. 1566, 1590, § § 1, 71.

Editor's note: Section 72 of chapter 328, Session Laws of Colorado 1987, provides that the act amending subsection (2) was effective July 1, 1987, but the governor did not approve the act until July 10, 1987.

43-6-303. Road signs required - uniform standards. Signs giving adequate notice of route designations shall be placed and maintained along public roads affected by such designations. In accordance with part 5 of article 4 of title 42, C.R.S., the state department of highways shall adopt uniform

standards for highway signs giving notice of route designations. The requirements of this section shall not apply to jurisdictions in which the governmental authority has provided the patrol with professional quality maps which indicate the route designations in that jurisdiction.

Source: Added, L. 87, p. 1568, § 1.

43-6-304. Emergency closure of public roads. Nothing in this article shall limit the authority of state and local authorities to close public roads temporarily if necessary because of any road construction or maintenance, an accident, a natural disaster, the weather conditions, or any other emergency circumstances resulting in making road conditions unsafe for travel by motor vehicles transporting hazardous materials.

Source: Added, L. 87, p. 1568, § 1.

43-6-305. Deviation from authorized route - penalty. (1) No person shall transport hazardous materials by motor vehicle contrary to any route designation approved by the patrol pursuant to this part 3 unless such action is necessary to service a motor vehicle or to make a local pickup or delivery of hazardous materials or unless such action is so required by emergency conditions which would make continued use of authorized routes unsafe or by the closure of an authorized route pursuant to section 43-6-304, and, in such circumstances, the motor vehicle shall remain on authorized routes whenever possible and shall minimize the distance travelled on restricted routes. A person transporting hazardous materials by motor vehicle may make successive local pickups and deliveries without returning to the authorized route between each pickup or delivery when such return would be unreasonable. A person transporting hazardous materials shall not utilize residential streets unless there is no other reasonable route available to reach the destination.

(2) Any person who transports hazardous materials by motor vehicle in a manner inconsistent with the provisions of subsection (1) of this section shall be assessed a civil penalty of two hundred fifty dollars for each separate violation. A person who commits a second or subsequent violation within a twelve-month period of transporting hazardous materials by motor vehicle in a manner inconsistent with the provisions of subsection (1) of this section shall be assessed a civil penalty of between two hundred fifty dollars and five hundred dollars for each separate violation.

(3) All penalties collected pursuant to this section by a state agency or by a court upon an action brought by a state agency shall be transmitted to the state treasurer, who shall credit the same to the hazardous materials safety fund created in section 43-6-107. The civil penalty may be collected as provided in section 43-6-105 (2).

DEPARTMENT OF PUBLIC SAFETY
DIVISION OF STATE PATROL

RULES AND REGULATIONS
CONCERNING
HAZARDOUS MATERIALS TRANSPORTATION PERMITS

AUTHORITY TO PROMULGATE RULES AND REGULATIONS

Section 43-6-108(1), C.R.S., states "The chief shall promulgate rules and regulations pursuant to section 24-4-103, C.R.S., for the permitting and routing of hazardous materials transportation by motor vehicle within this state and the inspection of vehicles transporting hazardous materials. Such rules and regulations shall be no more stringent than the requirements contained in federal statutes relating to the transportation of hazardous materials and rules and regulations promulgated thereunder, as amended from time to time."

Section 43-6-108(2), C.R.S., states "In adopting such rules and regulations, the chief shall use as general guidelines the standards contained in the rules and regulations of the United States Department of Transportation relating to explosives and other dangerous articles. The rules and regulations adopted by the chief shall not unduly burden interstate or intrastate commerce, and they shall be no more stringent than the rules and regulations of the United States Department of Transportation and the United States Environmental Protection Agency."

Section 43-6-108(3), C.R.S., states "The rules and regulations adopted by the chief pursuant to this section shall not apply to farm machinery which is exempted from registration requirements pursuant to section 42-3-102, C.R.S., agricultural distribution equipment attached to or conveyed by such farm machinery, or vehicles when used to transport to or from the farm or ranch site products necessary for agricultural production, except when such vehicles are used in furtherance of any commercial business other than agriculture."

Section 43-6-202(3), C.R.S., states "The chief is authorized to promulgate such reasonable rules and regulations as may be necessary or desirable in governing the issuance of permits, if such rules and regulations are not in conflict with other provisions of state law."

"Public Liability" means liability for bodily injury or property damage and includes liability for environmental restoration.

"Longer Vehicle Combination" means any of a number of vehicle configurations including a truck tractor as a power unit and multiple trailer combinations as identified in section 4.3 of the Department of Highways Rules and Regulations concerning the Operation of Longer Vehicle Combinations found at 2 CCR 601-9.

- D. No permit is to be altered or amended unless authorized in writing by the Public Utilities Commission, or in the case of a single trip permit, by an enforcement official.

HMP 4

LIABILITY INSURANCE

- A. The "Liability Insurance" required by the provisions of section 43-6-202, C.R.S., shall mean "public liability" as defined in 49 C.F.R., Part 387.5, and under "Definitions" in these rules and regulations.
- B. Acceptable proof of the liability insurance required by the provisions of section 43-6-202, C.R.S., will be as follows:
1. Insurance Policies, Certificates, and Endorsements.
 - a. A copy of Certificates of Insurance showing the minimum levels of financial responsibility required by the provisions of 49 C.F.R., Part 387.7; or
 - b. A copy of Certificates of Self Insurance showing the minimum levels of financial responsibility required by the provisions of 49 C.F.R., Part 387.7 and authorized by the Interstate Commerce Commission; or
 - c. A copy of Policies of Insurance showing the minimum levels of financial responsibility required by the provisions of 49 C.F.R., Part 387.7; or
 - d. A form MCS-90, "Endorsement(s) for Motor Carrier Policies of Insurance for Public Liability Under SEctions 29 and 30 of the Motor Carrier Act of 1980," issued by an insurer(s).

DEFINITIONS

"Chief" means the chief of the Colorado State Patrol.

"Enforcement Official" means, and is limited to, an officer of the Patrol, a certified Port of Entry officer, an investigating official of the transportation section of the Public Utilities Commission, or any peace officer, Level I, as defined in section 18-1-901(3)(1)(I), C.R.S.

"Hazardous Materials" means those materials listed in Tables 1 and 2 of 49 C.F.R. 172.504, excluding highway route controlled quantities of radioactive materials as defined in 49 C.F.R. 173.403(1), excluding ores, the products from mining, milling, smelting, and similar processing of ores, and the wastes and tailing therefrom, and excluding special fireworks as defined in 49 C.F.R. 173.88(d) when the aggregate amount of flash powder does not exceed fifty pounds.

"Motor Vehicle" means any device which is capable of moving from place to place upon public roads. The term includes, but is not limited to, any motorized vehicle or any such vehicle with a trailer or semitrailer attached thereto.

"Patrol" means the Colorado State Patrol within the Department of Public Safety.

"Person" means an individual, a corporation, a government or governmental subdivision or agency, a partnership, an association, or any other legal entity; except that separate divisions of the same corporations may, at their request, be treated as separate persons for the purposes of these rules and regulations.

"Public Road" means every way publicly maintained and opened to the use of the public for the purposes of vehicular travel, including, but not limited to, streets, bridges, toll roads, tunnels, and state and federal highways.

HMP 1

APPLICABILITY

These rules and regulations shall apply to all individuals, corporations, government or governmental subdivisions or agencies, partnerships or associations, or other legal entities who transport or cause to be transported any hazardous material by motor vehicle as defined in 43-6-103(3), C.R.S., over the public roads of this state.

HMP 2

PERMIT APPLICATION AND FEES

- A. All Hazardous Material Transport Permit applications and fees shall be submitted to the Public Utilities Commission, P.O. Box 1956, Denver, Colorado 80201.
- B. If the permit fee is paid by mail, checks shall be made payable to the Public Utilities Commission, P.O. Box 1956, Denver, Colorado 80201.

HMP 3

PERMIT CONDITIONS

- A. The Public Utilities Commission shall, upon review and approval of a permit application, issue an annual permit pursuant to the provisions of section 43-6-201, C.R.S.
- B. On receipt of the original permit, the applicant is authorized to make sufficient copies to provide one for each motor vehicle operated within or through Colorado. At no time should the total number of copies made exceed the total number of vehicles declared on the permit application as "...operating within or through the State of Colorado." This is not intended to preclude an applicant from replacing copies that are lost or destroyed.
- C. Any increase in the total declared number of vehicles operating within or through the State of Colorado must be communicated in writing to the Public Utilities Commission immediately.

2. Surety Bonds and Endorsements

- a. A copy of the Surety Bond issued by a surety in an amount covering the minimum levels of financial responsibility required; or
 - b. A form MCS-82, "Motor Carrier Surety Bond for Public Liability Under Section 30 of the Motor Carrier Safety Act of 1980," issued by a surety.
- C. Documents submitted as proof of liability insurance must be signed by the appropriate authority before being considered as "acceptable proof: by the Public Utilities Commission. Acceptable signatures of appropriate authority are limited to the following:
1. Insurance Certificate, Insurance Policy, or Form MCS-90 Endorsement - signed by an authorized representative of the insurance company.
 2. Surety Bond or Form MCS-82 - signed by an "Attorney in Fact" with a copy of the Power of Attorney attached.

HMP 5

NOTIFICATION OF INCIDENTS

- A. The driver or person in charge of the motor vehicle transporting hazardous materials shall give immediate notice to the nearest State Patrol office of:
 1. Any accident involving the motor vehicle:
 2. Any fire, breakage, or spillage involving shipping containers/packages containing reportable quantities (RQ) of hazardous materials.
- B. The notice of the incident shall include the following:

1. The name of the person reporting the incident;
 2. The name and address of the carrier involved;
 3. The phone number where the person reporting the incident can be contacted;
 4. The date, time, and location of the incident;
 5. The extent of injuries, if any;
 6. Description, proper shipping name, and quantity of hazardous material involved;
 7. Type of incident, and;
 8. Whether a continuing danger to life or the environment exists at the scene.
- C. The chief shall file a standing request with the Research and Special Programs Administration, Office of Hazardous Materials Transportation, United States Department of Transportation for the routine mailing of a copy of the written report required by the provisions of 49 C.F.R., 171.16 to the Motor Carrier Safety Unit of the Colorado State Patrol for all reportable incidents occurring within the state.
- D. Compliance with notification requirements of this rule does not eliminate the driver or person in charge of the motor vehicle from the reporting or notification requirements of other federal and state laws, rules, or regulations.

HMP 6

APPLICATION OF TITLE 49, C.F.R.

- A. Except as otherwise provided herein, all motor vehicles as defined in 43-6-103(4), C.R.S., as amended, involved in the transportation of hazardous materials as defined in 43-6-103(3), C.R.S., as amended, shall operate in conformity with the Safety and Hazardous Materials Regulations contained in part 397, "Transportation of Hazardous Material; Driving and Parking," of the United States Department of Transportation's Hazardous Materials

and Motor Carrier Safety Regulations as the same were in effect on October 1, 1986 and published in Title 49 of the Code of Federal Regulations, Subtitle B, Chapter III, parts 390 through 397 inclusive with references therein with the following modifications:

1. Section 390.16 shall not apply;
 2. The exemptions listed in the table and accompanying note contained in Section 390.33 shall not apply unless otherwise specifically exempted in these rules;
 3. Section 391.2(a) shall not apply;
 4. The exception contained in 391.49(b) shall not apply;
 5. Section 392.1(c) shall not apply;
 6. Section 393.1(b) shall not apply;
 7. Section 396.1(b) shall not apply;
 8. Section 397.1(c) shall not apply;
 9. All references to federal agencies and authorized personnel shall also be construed to mean an "enforcement official" as defined elsewhere in these rules and regulations.
 10. All reports referred to in said Parts 390 through 398 shall be filed with the Colorado State Patrol, Motor Carrier Safety Unit, 100 E. 66th Avenue, Denver, Colorado 80221.
- B. The safety and hazardous material regulations hereby adopted are contained in the publication entitled Code of Federal Regulations, Title 49, Parts 100 to 177, Parts 178 to 199, and Parts 200 to 399 dated October 1, 1986. These publications are presently available on file for public inspection with the Colorado Department of Public Safety, Division of State Patrol, 700 Kipling Street, Denver, Colorado 80215.

LONGER VEHICLE COMBINATIONS

Motor Vehicles defined as "Longer Vehicle Combinations" operating under the provisions of State Department of Highways Rules and Regulations promulgated pursuant to the provisions of 42-4-404.5, C.R.S., are prohibited from transporting the following specified hazardous material types and quantities:

1. Any hazardous materials defined in 49 C.F.R., Part 172.504, Table 1.
2. Any hazardous materials defined in 49 C.F.R., Part 172.504, Table 2, that:
 - a. Exceeds 55 gallons per package.
 - b. Is transported in bulk quantities (containment system in excess of 3500 water gallons).
 - c. Is classified as a "Poison - Inhalation Hazard" as defined in 49 C.F.R., Part 173.3a(b)(2).
 - d. Requires evacuation of populated areas as specified in publication D.O.T. P3800.3, "Emergency Response Guidebook."

Persons operating longer vehicle combinations must comply with all other provisions of state law, rules and regulations as applicable.

DEPARTMENT OF PUBLIC SAFETY

COLORADO STATE PATROL

HAZARDOUS MATERIAL ROUTE DESIGNATION

8 CCR 1507-7

COLORADO STATE PATROL

EDITORS NOTES *

Authority Cited:

See pp. 1-2 of this rule.

History and Amendments:

Pp. 1-9 adopted as emergency regulation 2/3/88, effective 2/3/88, 11 CR 3. (see p. CR11-287 for basis and justification of emergency status.)

A. G. Opinions:

11 AG 88

Annotations:

*This Title Page does not constitute an official part of any regulation. Information contained on the title page is provided by the Publisher from sources deemed reliable and is solely for information and historical purposes. See cautionary note in Introductory Materials, How to Use the CCR.

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DEPARTMENT OF PUBLIC SAFETY
DIVISION OF STATE PATROL

RULES AND REGULATIONS
CONCERNING
HAZARDOUS MATERIALS TRANSPORTATION PERMITS

STATEMENT OF BASIS AND PURPOSE

On June 24, 1987, Senate Bill #156 was signed into law amending Title 43, Colorado Revised Statutes, Volume 17, 1984 Replacement Volume, as amended, to add a new Article 6, entitled "Transportation of Hazardous Materials by Motor Vehicle" (Sections 43-6-101 through 43-6-305 inclusive), otherwise known as the "Hazardous Materials Transportation Act of 1987." The new Article became effective on July 1, 1987.

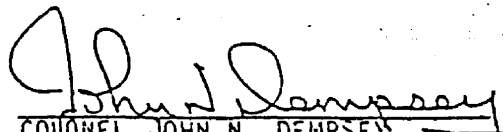
It was declared by the General Assembly that the permitting and routing of motor vehicles transporting hazardous materials is a matter of statewide concern and is affected with a public interest and that the provisions of Title 42, Article 6, Colorado Revised Statutes, as amended, are enacted in the exercise of the police powers of this state for the purpose of protecting the health, peace, safety, and welfare of the people of this state.

The new Article directs the Chief of the Colorado State Patrol to promulgate rules and regulations governing the permitting, routing and inspection of hazardous materials transportation by motor vehicle within the state, and to use as general guidelines the standards contained in the rules and regulations of the United States Department of Transportation relating to explosives and other dangerous articles.

The Chief therefore finds that there is a compelling need to adopt the proposed rules and regulations for the immediate preservation of the public health, peace, safety and welfare.

I hereby adopt the Division of State Patrol Rules and Regulations Concerning Hazardous Materials Transportation Permits, including the accompanying statement of basis and purpose.

Date of Adoption: 1.25.88


COLONEL JOHN N. DEMPSEY
Chief, Colorado State Patrol

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DEPARTMENT OF PUBLIC SAFETY
DIVISION OF STATE PATROL

ELECTIONS/LICENSING
SECRETARY OF STATE

RULES AND REGULATIONS
CONCERNING
HAZARDOUS MATERIALS ROUTE DESIGNATION

3106

AUTHORITY TO PROMULGATE RULES AND REGULATIONS

Section 43-6-108(1), C.R.S., states "The chief shall promulgate rules and regulations pursuant to section 24-4-103, C.R.S., for the permitting and routing of hazardous materials transportation by motor vehicle within this state and the inspection of vehicles transporting hazardous materials. Such rules and regulations shall be no more stringent than the requirements contained in federal statutes relating to the transportation of hazardous materials and rules and regulations promulgated thereunder, as amended from time to time."

Section 43-6-108(2), C.R.S., states "In adopting such rules and regulations, the chief shall use as general guidelines the standards contained in the rules and regulations of the United States department of transportation relating to explosives and other dangerous articles. The rules and regulations adopted by the chief shall not unduly burden interstate or intrastate commerce, and they shall be no more stringent than the rules and regulations of the United States department of transportation and the United States environmental protection agency."

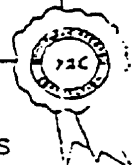
Section 43-6-108(3), C.R.S., states "The rules and regulations adopted by the chief pursuant to this section shall not apply to farm machinery which is exempted from registration requirements pursuant to section 42-3-102, C.R.S., agricultural distribution equipment attached to or conveyed by such farm machinery, or vehicles when used to transport to or from the farm or ranch site products necessary for agricultural production, except when such vehicles are used in furtherance of any commercial business other than agriculture."



AUTHORITY TO DESIGNATE HAZARDOUS MATERIALS ROUTES

Section 43-6-301(1), C.R.S., states "The patrol, after consultation with local governmental authorities, shall have the sole authority to designate which public roads shall be used and which shall not be used by motor vehicles transporting hazardous materials. The exercise of such authority shall be made pursuant to section 43-6-302. Such designation shall exempt gasoline, diesel fuel, and liquefied petroleum gas unless the petitioning authority specified in section 43-6-302 requests their inclusion. Such designation may include route restrictions, closing of streets and highways, and whatever other conditions or restrictions the patrol deems advisable, except for hours of operation and curfews. Any such designation in this part 3 shall be referred to as a route designation. Routes designated by the patrol pursuant to this part 3 shall not apply to motor vehicles when used to transport to or from the farm or ranch site products necessary for agricultural production. No city, county, or city and county may impose restrictions on hours of operation on designated routes; except that this provision shall not apply to any city, county, or city and county which, by resolution or ordinance, had routes or hours of operation restrictions in effect on July 1, 1985."

Section 43-6-301(2), C.R.S., states "The patrol may approve route designations only for those materials listed in table 1 of 49 C.F.R. 172.504, in any quantities, and those materials listed in table 2 of 49 C.F.R. 172.504, when carried in quantities of five hundred gallons or more; except that the patrol may not accept or approve route designations for those materials listed in table 2 when packaged in containers of five gallons or less or when packaged as consumer commodities as defined in 49 C.F.R. 173.1200."



DEFINITIONS

The definitions provided in Section 43-6-103, C.R.S., as amended, shall apply to these rules and regulations. The following additional definitions shall also apply:

"Commercial Business" means any activity involving the exchange, buying, or selling of commodities for gain or as a means of livelihood.

"Hazardous Materials Incident" means any fire, breakage, or spillage, involving shipping containers and/or packages used to ship hazardous materials, and occurring during on-highway transportation by motor vehicle.

"Petition" means the Hazardous Material Route Designation Petition Packet dated January 7, 1988, including the route analysis process, worksheets, and petition resolution.



HMR 1

APPLICATION FOR ROUTE DESIGNATION

- a. Local governmental authorities making application to the patrol for a hazardous materials route designation pursuant to the procedures established in section 43-6-102, C.R.S., must submit a petition for such route designation to the Patrol on or before July 1, 1988.
- b. Petitions submitted for route designation must be prepared using the hazardous material route designation petitioning packet provided by the Patrol, dated January 7, 1988. Local governmental authorities wishing to make application for route designation, can obtain a copy of the petition packet from the Patrol at no charge. Requests for petition packets should be mailed to the following address:

Colorado State Patrol
Hazardous Materials Routing and Rulemaking
Section
700 Kipling Street
Denver, Co 80215-5865

Telephone requests for copies of the petition packet will be accepted and should be made by calling 239-4546.

- c. The hazardous material route designation petitioning packet (hereinafter referred to as the petition) must be completed in its entirety prior to acceptance for evaluation by the Patrol. Incomplete petitions, or petitions not following the format specified, will be returned to the applicant for resubmission.
- d. The petition should include an analysis of all feasible routes within a jurisdiction. Petitions that do not include more than one route must include a written explanation as to why no alternative route is available for analysis.
- e. Applicants may submit any information and/or data, in addition to that already required in the



petition, that they consider necessary or appropriate in support of their request for hazardous materials route designation approval.

- F. Applicants must use identified data resources in the preparation of their petition. Data used from resources other than those specified in the route analysis process, must be approved by the Patrol. Petitions prepared using a data resource that has not received prior approval by the Patrol, will not be considered for evaluation and may be returned to the applicant for resubmission.
- G. All petitions received by the Patrol on or before July 1, 1988, will be considered as having been "submitted" in accordance with the provisions of 43-6-302(1), C.R.S. However, the filing date for a "complete petition" as referred to in section 43-6-302(4), C.R.S., shall be considered the date of its acceptance by the Patrol. Applicants will be notified in writing as to the date of acceptance.
- H. Prepared petitions should be forwarded by registered mail to:

Colorado State Patrol
Hazardous Materials Routing and Rulemaking
Section
700 Kipling Street
Denver, CO. 80215-5865

HMR 2

ROUTE DESIGNATION SIGNS

- A. Local governmental authorities electing to use signs to give notice of approved route designations within their jurisdiction pursuant to Section 43-6-303, C.R.S., shall use the hazardous materials route designation sign standards adopted by the Colorado State Department of Highways.
- B. Within 60 days of route designation approval, local governmental authorities must specify in writing to the Patrol's Hazardous Materials Routing and



Rulemaking Section, the location of each sign erected to mark the approved route.

ILMR 3

PROFESSIONAL QUALITY MAPS

- A. Local governmental authorities electing to use professional quality maps to indicate approved route designations within their jurisdiction pursuant to Section 43-6-303, C.R.S. shall meet the following minimum requirements:
1. Scale - should be of sufficient proportions to clearly show the passage of a designated route within or through the jurisdiction.
 2. Colors - designated routes or other approved route restrictions, must be printed in red on a white background. All other printing should be in black.
 3. Legend - should clearly describe the graphic representations used within the map.
 4. Map graphics - should use graphic symbols that clearly represent the difference between designated routes, other highways, and jurisdiction boundaries.
 5. Route information - the map should include a telephone number where the operator of a motor vehicle transporting hazardous materials can obtain assistance in an emergency, and additional information on routes or other restrictions within the jurisdiction, on a 24 hour basis.
- B. Within 60 days of route designation approval, local governmental authorities must submit copies of their professional quality maps to the Patrol's Hazardous Materials Routing and Rulemaking Section for approval.



HMR 4

ROUTE REVIEW

- A. Changes in the original data and/or information used to evaluate the risk level associated with an approved route, must be communicated to the Patrol's Hazardous Materials Routing and Rulemaking Section immediately, or as soon as is practicable following the change. A change would be considered to be, but not limited to, the following:
 - 1. A change in the accident rate.
 - 2. A change in the mandatory or subjective factors affecting the route.

- B. The Patrol will periodically review the status of designated routes to determine whether the approval terms specified in Section 43-6-302(8)(a)(I-IV), C.R.S., are continuing to be met. Routes that, after review, demonstrate a change in the risk level toward a higher risk factor, or are impacted significantly by a change in a mandatory or subjective factor, may be subject to reevaluation by the Patrol at any time.

- C. The Patrol will notify local governmental authorities in writing, if after reevaluation, any approved designated route within their jurisdiction no longer meets the acceptance terms specified in Section 43-6-302(8)(a)(I-IV), C.R.S.

- D. If a designated route no longer meets the above referenced acceptance terms, the Patrol will consult with the local governmental authority, and may require that a revised petition be submitted for approval, subject to the conditions and procedures specified in Section 43-6-302, C.R.S.

- E. The Patrol, on an as needed basis, will conduct route surveys on designated routes. These surveys will be conducted to determine the type and quantity of materials being transported and the frequency of such transportation. Surveys conducted in incorporated areas will only be done after consultation with the appropriate local governmental agency.



HMR 5

EMERGENCY ROAD CLOSURE

The closing of a public road that is designated as a hazardous materials route, or restrictions on the movement of traffic over the same, due to highway construction, severe weather, or other factors, must be immediately communicated to the Patrol's Denver Headquarters Communication Center, at telephone number 239-4501.

HMR 6

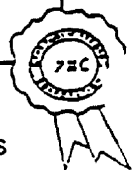
HAZARDOUS MATERIAL INCIDENTS

- A. Copies of reports concerning incidents and/or accidents involving motor vehicles transporting hazardous materials, that occur within a local governmental authority's jurisdiction, must be forwarded within 45 days following the incident and/or accident, to the Patrol's Hazardous Materials Routing and Rulemaking Section.
- B. Reports on hazardous materials incidents, submitted by local governmental authorities, must include as a minimum, the information required on the Form C.S.P.470, Hazardous Substance Incident Report. Copies of the Form C.S.P. 470 are available at no charge to the requesting jurisdiction, from the Patrol's Hazardous Material Routing and Rulemaking Section.
- C. Incidents that include an accident involving a motor vehicle transporting hazardous materials, must include both a copy of the Form D.X.447, Investigator's Traffic Accident Report and a hazardous materials incident report.

HMR 7

EMERGENCY RESPONSE CAPABILITIES

Local governmental authorities petitioning for a route



designation must provide the Patrol's Hazardous Materials Routing and Rulemaking Section with the following information on hazardous materials emergency response services within their jurisdiction. This information is required in addition to that already identified as being required in the petition packet:

1. Response agency name.
2. Agency address.
3. Name of contact person and alternate.
4. 24-hour emergency phone number.
5. Non-emergency phone number.
6. Radio frequencies and call signs.

Any changes to the above information should be communicated in writing, as soon as possible but no later than 45 days following the change, to the Colorado State Patrol, Hazardous Materials Routing and Rulemaking Section, 700 Kipling Street, Denver, CO. 80215-5865.

HMR 8

DEPARTMENT OF HIGHWAYS

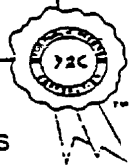
The Department of Highways, although defined as a local governmental authority for the purpose of petitioning for hazardous materials route designation, is not required to meet the reporting requirements of Rule HMR 5 and Rule HMR 7. Except that, where the Department of Highways has agreed to be the petitioner for another local governmental authority, pursuant to Section 43-6-302(9), C.R.S., provision must be made within such agreement, for compliance with the above reporting requirements.



HMR 9 Routes to Be Used For The Transportation of Hazardous Materials pursuant to section 43-6-305, C.R.S., as amended.

North - South Routes

- 9.1 Colorado 9 from US 40 in Kremmling to Interstate 70 in Silverthorne.
- 9.2 Colorado 13 from Wyoming to US 6 west of Rifle.
- 9.4 Colorado 17 from US 285 near Mineral Hot Springs to US 160 near Alamosa.
- 9.5 Interstate 25 from Wyoming to New Mexico.
- 9.6 Colorado 47 from Interstate 25 to the junction of US 50/Colorado 96.
- 9.7 Colorado 71 from Colorado 14 to US 24 in east Limon.
- 9.8 Colorado 71 from US 24 in Limon (west junction) to US 50 near Rocky Ford.
- 9.9 Colorado 79 from Colorado 52 to Interstate 70 at Bennett.
- 9.10 Colorado 83 from US 24 to Colorado 115.
- 9.11 Colorado 91 from Interstate 70 to US 24 near Leadville.
- 9.12 Colorado 113 from Nebraska to US 138.
- 9.13 Colorado 115 from Colorado 83 to US 50.
- 9.14 Colorado 119 from Colorado 157 to Colorado 52.
- 9.15 Colorado 125 from Wyoming to US 40 west of Granby.
- 9.16 Colorado 127 from Wyoming to Colorado 125.
- 9.17 US 138 from Colorado 113 to Colorado 14.
- 9.18 Colorado 139 from Colorado 64 in Rangely to Interstate 70 near Loma.



- 9.19 Colorado 141 from Interstate 70 business loop near Grand Junction to US 50.
- 9.20 Colorado 157 from US 36 to Colorado 119.
- 9.21 Interstate 225 from Interstate 70 to Interstate 25.
- 9.22 US 287 from US 40 in Kit Carson to Oklahoma.
- 9.23 US 285 from US 160 in Alamosa to New Mexico.
- 9.24 US 285 from Colorado 470 to Colorado 112.
- 9.25 US 385 from Interstate 76 in Julesburg to US 40 in Cheyenne Wells.
- 9.27 The City of Lamar's Second Street from US 50/385 to Maple Street.
- 9.28 The City of Lamar's Maple Street from Second Street to US 50/287.

East - West Routes:

- 9.29 US 6 (Loveland Pass) from Interstate 70 just east of the Eisenhower/Johnson Tunnels to just west of the Eisenhower/Johnson Tunnels at Silverthorne.
- 9.30 US 6 from Interstate 25 in Denver to Interstate 70.
- 9.31 US 6 from Colorado 13 west of Rifle to exit/entrance number 87 on Interstate 70.
- 9.32 US 6 from Interstate 76 to Nebraska.
- 9.33 Colorado 10 from Interstate 25 in Walsenburg to US 50 in La Junta.
- 9.34 Colorado 14 from US 40 to Colorado 125.
- 9.35 Colorado 14 from Interstate 25 to Interstate 76.
- 9.36 US 24 from Colorado 91 at Leadville to Interstate 25 in Colorado Springs.



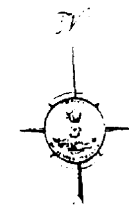
- 9.37 US 24 from Colorado 83 to Interstate 70 at West Limon (Exit 359).
- 9.38 US 34 from Interstate 25 to Interstate 76.
- 9.39 US 34 from Interstate 76 to Nebraska.
- 9.40 US 36 from Interstate 25 to Colorado 157.
- 9.41 US 36 from Interstate 70 in Byers to Colorado 71 at Last Chance.
- 9.42 US 40 from Utah to Interstate 70.
- 9.43 US 40 from US 24 on the west side of Limon to the west junction of Colorado 71.
- 9.44 US 40 from the east junction of Colorado 71 in Limon to Kansas.
- 9.45 US 50 from the north junction of Colorado 141 near Grand Junction to Kansas.
- 9.46 Colorado 52 from Colorado 119 to Colorado 79.
- 9.47 Colorado 64 from US 40 in Dinosaur to Colorado 13.
- 9.48 Interstate 70 from Utah to US 6 at Silverthorne (Loveland Pass).
- 9.49 Interstate 70 from US 6 just east of Loveland Pass to Interstate 25.
- 9.50 Interstate 70 from Interstate 270 to Kansas.
- 9.51 Interstate 70 business loop from Interstate 70 east of Grand Junction to Colorado 141.
- 9.52 Interstate 76 from Interstate 25 to Nebraska.
- 9.53 Colorado 112 from US 285 to US 160.
- 9.54 US 160 from New Mexico to Interstate 25 in Walsenburg.
- 9.55 Interstate 270 from Interstate 70 to Interstate 76.
- 9.56 Colorado 470 from US 285 to Interstate 70.



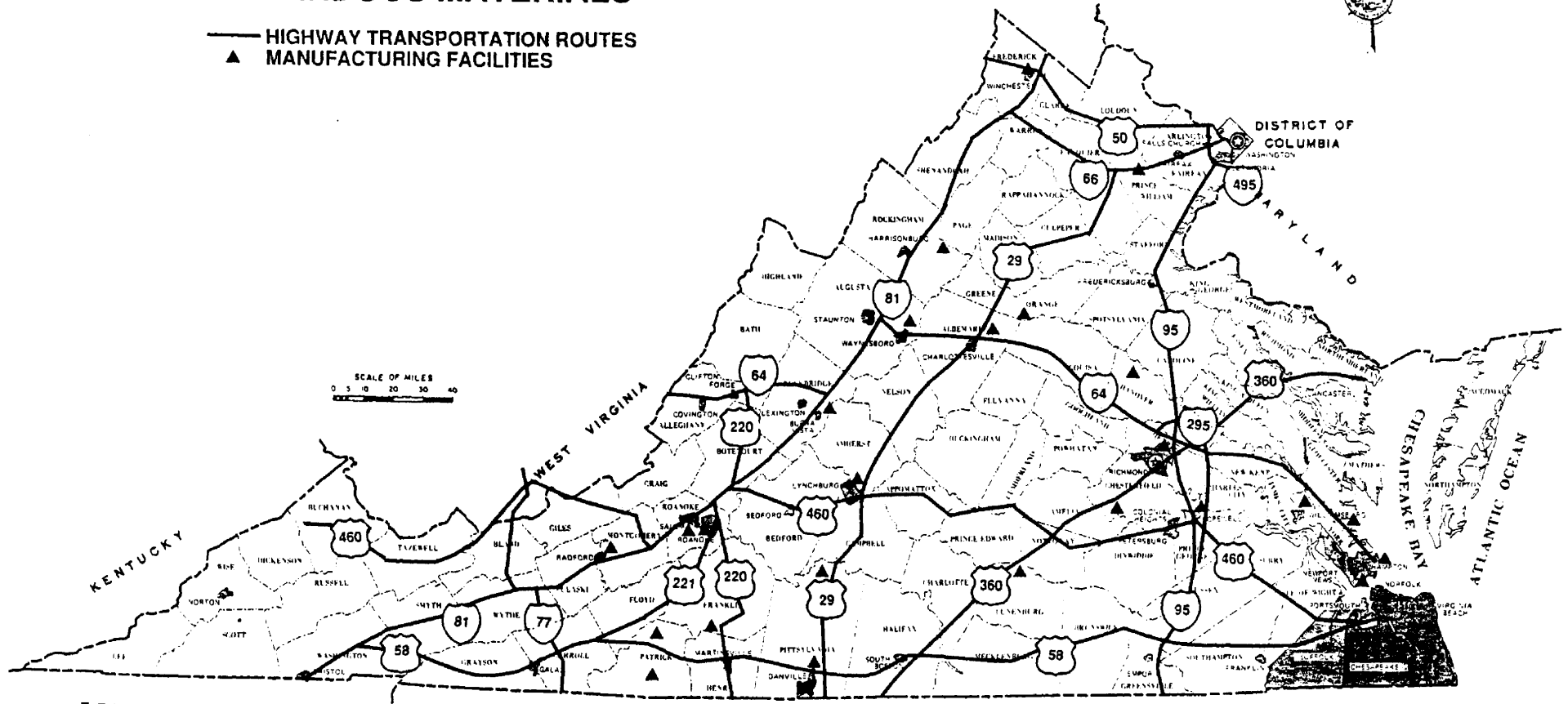
MAPS

HAZARDOUS MATERIALS

— HIGHWAY TRANSPORTATION ROUTES
▲ MANUFACTURING FACILITIES



SCALE OF MILES
0 5 10 20 30 40

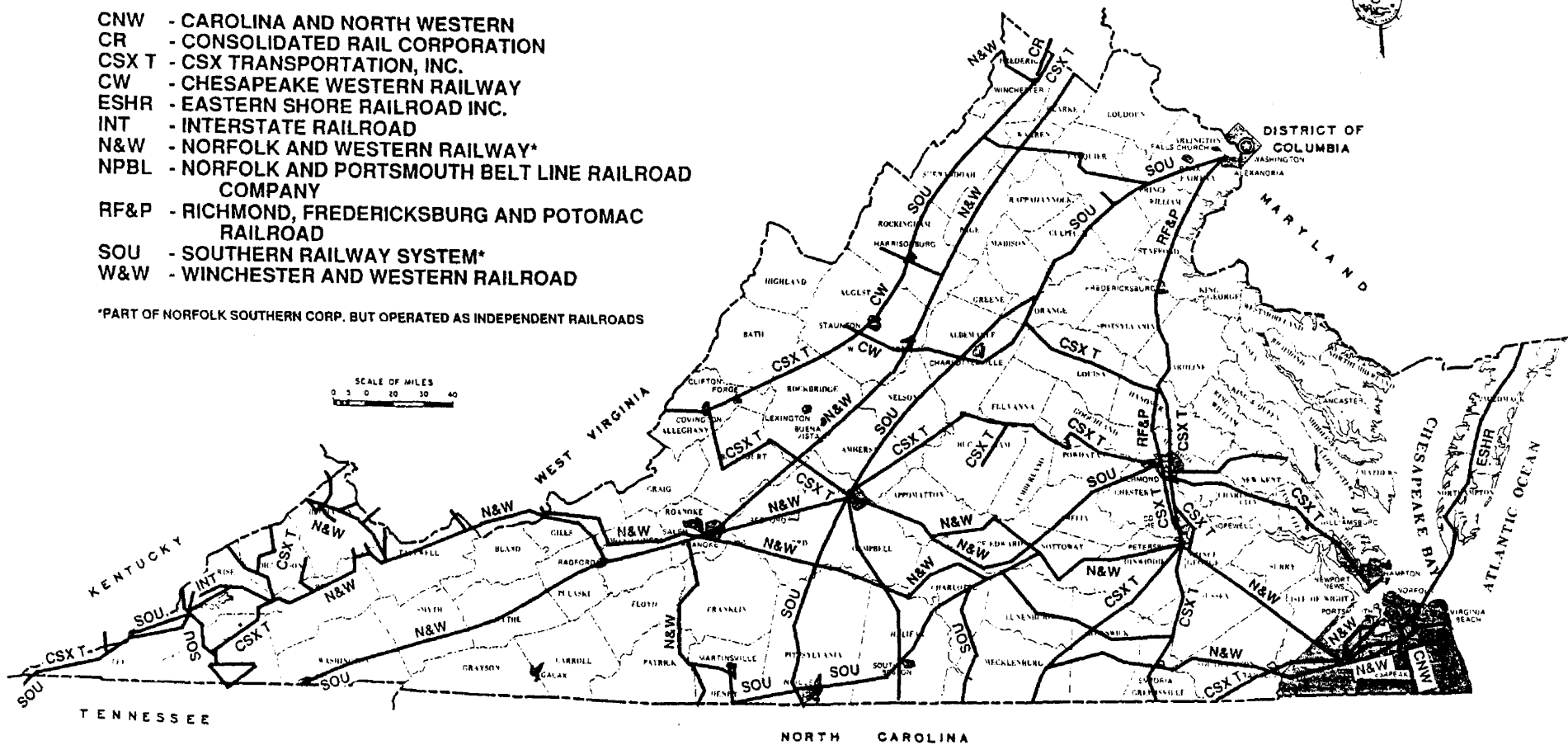


RAILROADS OPERATING IN VIRGINIA - 1988

- CNW - CAROLINA AND NORTH WESTERN
- CR - CONSOLIDATED RAIL CORPORATION
- CSX T - CSX TRANSPORTATION, INC.
- CW - CHESAPEAKE WESTERN RAILWAY
- ESHR - EASTERN SHORE RAILROAD INC.
- INT - INTERSTATE RAILROAD
- N&W - NORFOLK AND WESTERN RAILWAY*
- NPBL - NORFOLK AND PORTSMOUTH BELT LINE RAILROAD
COMPANY
- RF&P - RICHMOND, FREDERICKSBURG AND POTOMAC
RAILROAD
- SOU - SOUTHERN RAILWAY SYSTEM*
- W&W - WINCHESTER AND WESTERN RAILROAD

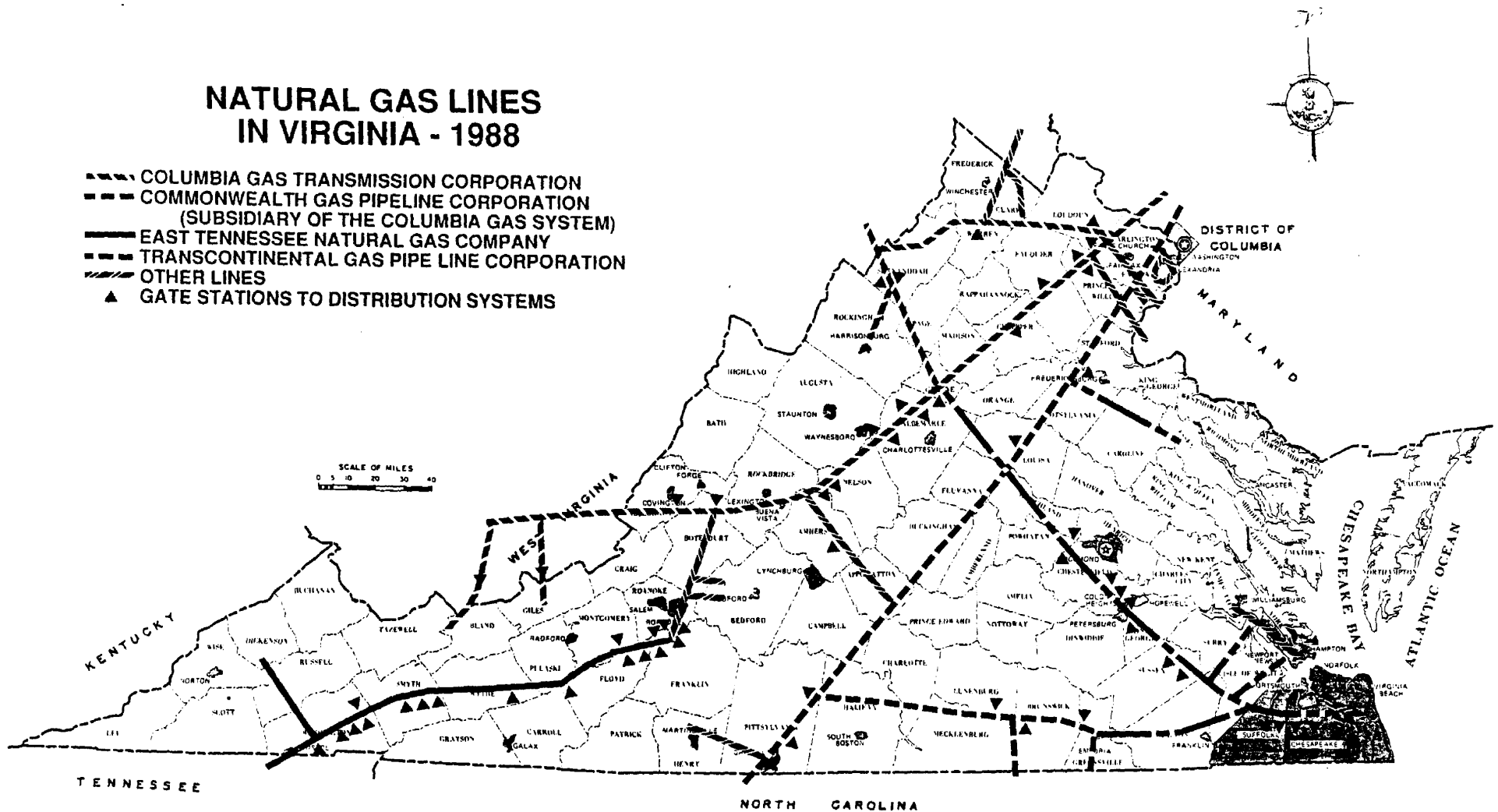
*PART OF NORFOLK SOUTHERN CORP. BUT OPERATED AS INDEPENDENT RAILROADS

SCALE OF MILES
0 10 20 30 40

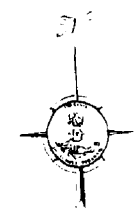


NATURAL GAS LINES IN VIRGINIA - 1988

- COLUMBIA GAS TRANSMISSION CORPORATION
- COMMONWEALTH GAS PIPELINE CORPORATION
(SUBSIDIARY OF THE COLUMBIA GAS SYSTEM)
- EAST TENNESSEE NATURAL GAS COMPANY
- TRANSCONTINENTAL GAS PIPE LINE CORPORATION
- OTHER LINES
- ▲ GATE STATIONS TO DISTRIBUTION SYSTEMS



VIRGINIA DEPARTMENT OF EMERGENCY SERVICES REGIONAL BOUNDARIES (AREAS 1-8)



LEVEL III TEAMS

- A. FREDERICKSBURG
- B. HENRICO
- C. NEWPORT NEWS
- D. CENTRAL SHENANDOAH VALLEY
(AUGUSTA COUNTY, HARRISONBURG, ROCKINGHAM COUNTY)
- E. ROANOKE VALLEY
(ROANOKE CITY, ROANOKE COUNTY, SALEM)
- F. SOUTHSIDE TIDEWATER
(PORTSMOUTH, CHESAPEAKE, NORFOLK, VIRGINIA BEACH)
- G. ALEXANDRIA

LEVEL IIE TEAMS

- a. BRISTOL
- b. CHARLOTTESVILLE
- c. DANVILLE
- d. GILES COUNTY
- e. WINCHESTER
- f. WISE COUNTY

VDES REGIONAL OFFICES

- 1. RICHMOND
- 2. PULASKI/DUBLIN
- 3. CULPEPER
- 4. NEWPORT NEWS

