Technical Memorandum #6

Development of a List of BART-Eligible Sources in the MANE-VU Region: Interim Report

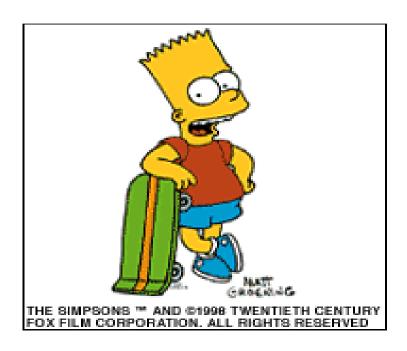
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For the:

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Dedication to Charlie Mentos

This report is dedicated to the memory of our friend and colleague Charlie Mentos from the Massachusetts DEP who died earlier this year after a long battle with cancer. Charlie participated in this project and dedicated 25 years of his professional life to improving air quality and protecting public health. He will be missed.

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Executive Summary

BART provisions of the 1999 Regional Haze Rule call for "Retrofit" control technology on a specific class of emission sources that were unlikely to have been controlled under other CAA requirements. Theoretically, BART would impose controls on these units to assist states in improving visibility at Class I areas throughout the region. While some uncertainties exist regarding the implementation and timing of a future program of BART controls, it is likely that States and Tribes will need to consider a program of controls similar in scope and magnitude to the proposed BART program in order to achieve reasonable progress during the first compliance period (2008-2018). In order to effectively achieve the results required under the regional haze program, states should develop a control program that focuses on the population of emission units that have not been regulated under other provisions of the CAA and lack modern pollution control equipment.

In this memorandum, NESCAUM has developed a preliminary listing of those sources which may be eligible for Best Available Retrofit Technology based on a methodology for identifying those sources that meet the BART eligibility criteria. This process involves the use of Title V permit information, including final permit, applications, and technical reviews. The interim listing of BART-eligible sources resulting from this process addresses only the 25 non-EGU source categories and details on BART eligible power plants can be found elsewhere (NESCAUM, 2001). In addition, this study was limited to only 9 of the 14 MANE-VU jurisdictions since Pennsylvania and the District of Columbia are developing their own BART-eligible source lists and we believe that no (non-EGU) BART-eligible sources exist in Vermont or on the St. Regis Mohawk or Penobscot reservations.

Before this interim listing becomes final, the inventory of sources must be completed and the lists must be carefully reviewed by each individual state agency to ensure their satisfaction with the results. The development of this list has determined 66 non-EGU sources that are eligible for subsequent BART analyses and 87 additional sources that may be eligible. States will need to verify the accuracy of the identifications made by NESCAUM and conduct additional research to determine the eligibility of those sources determined as "MAYBE eligible" by the NESCAUM survey.

Preliminary results suggest that of the 66 BART-eligible non-EGU sources, 26% are industrial boilers and 21% are kraft pulp mills. The remaining 53% are in a variety of source categories but account for only 8% and 34% of BART-eligible SO_2 and NO_X emissions from the non-EGU sectors, respectively (excluding a single refinery that emits 64% and 37% of these emissions by itself!). The reader is cautioned, however, that these numbers are likely to change as further research clarifies the eligibility status of the 87 sources classified as "Maybe BART-eligible" here.

¹ The District of Columbia has identified two BART-eligible sources, both boilers. Pennsylvania's list of BART-eligible sources is not yet available.

Before states and tribes proceed with the subsequent steps of determining which of these sources are subject to BART and conducting BART determinations, a number of recommendations have been generated as a result of this project. These include:

- States and Tribes may want to consider expanding the date range of BART eligible units to include pre-1962 units that have not otherwise been controlled to achieve visibility goals under the regional haze rule.
- MANE-VU should gather updated actual emissions information (as opposed to potential emissions) for BART-eligible sources and inventory existing controls on these units to determine the efficacy of imposing controls on these units.
- MANE-VU should conduct a detailed examination of the interaction of BART with other control programs so the states and tribes charged with carrying out BART determinations can fully evaluate the effect of BART.
- MANE-VU should conduct an analysis of all BART-eligible categories and the emissions reduction potential from each to understand the likely visibility impacts of potential control programs.
- MANE-VU should conduct an analysis of haze-related emission reduction potential from source categories outside the scope of the BART to identify additional options for state and tribal compliance options.
- MANE-VU should assess the need for additional data analysis and modeling to develop contribution assessments that can be applied as 'subject to BART' criteria as well as to fulfill those requirements of the engineering analysis of the BART determination process.



I. Introduction

In 1999, the U.S. Environmental Protection Agency (US EPA) issued a regulation aimed at restoring natural visibility conditions to 153 Federal Class I areas across the country. This regulation, termed the Regional Haze Rule (64 Fed. Reg. 35,714, July 1, 1999; hereafter referred to as the "Haze Rule"), requires states and tribes to develop plans for achieving reasonable progress toward the national visibility goals. Initial plans were to be submitted one year after the designation of attainment areas or three years after designation of nonattainment areas for fine particulate matter (PM_{2.5}) under the National Ambient Air Quality Standard (NAAQS). Given the regional nature of the causes and extent of visibility impairment in rural Class I areas, interested states and tribes were invited to participate in a regional planning process and extend their SIP submissions until 3 years after attainment designations, but no later than December 31, 2008. States and tribes that elected to take advantage of the regional planning options were compelled to submit a "regional planning" or "committal" SIP one year after attainment or nonattainment designations were made to ensure participation and demonstrate that a regional planning process was in place.

This so called committal SIP has few substantive requirements, but one element of significance – for which little information existed – was an inventory of sources within each state or tribal jurisdiction that would be eligible for controls under the Best Available Retrofit Technology (BART) provisions of the Haze Rule. BART provisions were included in the Haze Rule to provide a mechanism for achieving visibility improvements in haze SIPs. These provisions call for "Retrofit" controls on a specific class of emission units within a source that were unlikely to have been controlled under other CAA requirements.

We note that there is a distinction within the Haze Rule between facilities that are *eligible* for BART controls and those *subject* to BART controls. BART eligibility requirements are the subject of this technical memorandum and are discussed in detail throughout the subsequent chapters. A BART "eligible" facility generally refers to a source from one of twenty-six identified source categories that has the potential to emit 250 tons or more of any visibility impairing pollutant and went into operation during the 15 years prior to adoption of the 1977 CAA amendments. Under §169A of the Clean Air Act (CAA) each BART-eligible source must then be deemed *subject* to BART by individual states or tribes after consideration of the following five factors: the cost of compliance, the energy and non-air quality environmental impacts of compliance, any existing pollution control technology in use at the source, the remaining useful life of the source, and the degree of improvement in visibility which may reasonably be anticipated to result from the use of such technology.

Industry groups challenged the Haze Rule as it relates to the method by which it directs states to the degree of visibility improvement resulting from application of BART controls. Under EPA's interpretation of the statute, a state would deem sources subject to BART if they emitted emissions into a geographic area or region that likely transports pollutants downwind into a protected area. This is consistent with an earlier National

Academy of Sciences assessment that the alternative *source-by-source* consideration of visibility impacts was prohibitively costly and time consuming, and "doomed to failure," (NAS, 1993). Nevertheless, on May 24, 2002, the D.C. Circuit Court of Appeals agreed in the majority with industry petitioners and vacated those portions of the Haze Rule dealing with BART. EPA is considering options for revising the rule appropriately. In addition, another decision by the D.C. circuit released on May 24, 2003 – may affect the timing of SIP submissions and potentially eliminate the regional planning or committal SIP.

Regardless of uncertainties over the implementation and timing of a future program of BART controls, it seems likely that States and Tribes will need to consider a program of controls similar in scope and magnitude to the proposed BART program in order to achieve reasonable progress during the first compliance period (2008-2018). It is sensible to focus a control program on the population of sources that has not been regulated under other provisions of the CAA, given the likelihood of cost-effective emissions reduction potential. However, States and Tribes may also want to consider including sources older than the BART-eligibility cutoff of 1962 in addition to the BART-Eligible pool identified in this document. Analysis completed under this project identified a significant number of major emission units that pre-date the BART period.

In this technical memoranda, NESCAUM has developed a methodology for identifying those sources that meet the BART eligibility criteria involving the use of Title V permit information, including final permit, applications, and technical reviews. That methodology is then applied to sources in the Mid-Atlantic/Northeast Visibility Union (MANE-VU) region² to develop an interim listing of BART-eligible sources from the 25 non-EGU source categories identified by statute.³ Before this interim listing becomes final, the inventory of sources must be completed and the lists must be carefully reviewed by each individual state agency to ensure their satisfaction with the results. A brief

² NESCAUM did not develop BART-Eligible source lists for the State of Vermont or any of the member Tribes in MANE-VU. None of these jurisdictions have any BART-eligible sources to our knowledge. The state of Pennsylvania has also not been included in the development of these lists and plans to develop its own BART-eligible source lists independently. The District of Columbia developed a BART-Eligible source list following its own methodology and identified two eligible sources.

³ A previous analysis has developed a draft inventory of BART-eligible fossil-fuel power plants across a broader 29-state region thought to potentially affect visibility in MANE-VU class I areas. See NESCAUM 2001 (http://64.2.134.196/regionalhaze/basis.pdf) for a complete description of these results. States may use this report as a guideline for final determination of sources from this category.

review of the findings and their implications is presented in the memorandum and actual listings of sources are presented in the Appendices.

II. **Bart Methodology**

Three criteria must be met for a source to be "eligible" for consideration under the BART provisions of the Haze rule. Applicability is limited to those sources which:

- 1. Are in one of 26 specific source categories as identified in the Clean Air Act (see Table 2.1 for a list of these categories);
- 2. Have units that were in existence on August 7, 1977, 4 but had not been in operation for more than fifteen years as of that date (prior to August 7, 1962);
- 3. Have a potential to emit (PTE) 250 tons per year (TPY) or more of any single visibility impairing pollutant from units that satisfy criterion #2. These pollutants include SO₂, NO_X, VOCs, PM₁₀ and ammonia.

NESCAUM has developed a top-down evaluation process for determining BART eligibility within 25 non-EGU major point source categories. This process is similar to EPA's suggested approach to determining BART-eligible facilities⁶ but includes an additional step to eliminate facilities that are obviously ineligible on an emissions basis. Steps include: the identification of sources within the 25 eligible source categories, elimination of obvious ineligible sources to develop a "short-list", determination of unit installation dates and emission potentials, and final determination of BART-eligibility. Each of these steps is described in detail below.

A. Determination of Facilities within the 25 BART-Eligible Source **Categories**

To identify units that will ultimately be examined under the BART provisions of the Haze Rule, NESCAUM used a variety of information sources. EPA's draft 1999 National Emissions Inventory (NEI)⁷ and the state's list of Title V sources were used to determine if a facility operated under a pertinent source category. The NEI is a database of criteria and hazardous air emissions data for stationary, mobile, and area sources, developed with data from State and Local air agencies, tribes, and industry. A draft inventory is prepared by EPA and reviewed by states for accuracy and completion. When this project commenced, the Draft Version 2 inventory for 1999 was the most recent inventory available, and was used for this project. Title V sources are sources whose potential to emit is over "major" thresholds.

From the NEI, SIC (Standard Industry Classification) codes and SCC (Subject Category Codes) numbers were obtained. A SIC code describes the industrial classification that a facility uses to describe it's operations, and an SCC number describes

⁴August 7, 1977 is the date that Congress adopted the 1977 Clean Air Act Amendments. ⁵ See footnote 3.

⁶ US EPA, 2001.

⁷ http://www.epa.gov/ttn/chief/eidocs/nei.html

a piece of equipment, including its fuel use. A single unit may have several SCC numbers to indicate the range of different fuels it can use. A list of SIC and SCC codes that correspond to the 26 BART categories in the Haze Rule is included in the report *Assessment of Emissions Inventory Needs for Regional Haze Plans* (MARAMA, 2001). In the course of performing this work, NESCAUM identified additional applicable codes for some of these categories. Table II-1 provides the final list of codes that NESCAUM used to identify potential BART facilities.

Having obtained a list of BART-eligible SIC and SCC numbers, those sources in the NEI database and the States' Title V lists that did not have BART-eligible SICs or SCCs were eliminated. The Envirofacts and AIRS/AFS website was then used to identify any potential boiler or ammonia sources that may have been missed in the NEI or Title V databases. These databases pull data from a variety of EPA information sources and thus may include SIC designations that would not have been included in air-specific databases. Additionally, emissions data in the AIRS/AFS database is based inspection data and could include units absent from the NEI. This ensured that we identified any boiler source that may not have been captured by the Title V or NEI data. Finally, state air toxics programs were contacted to identify any ammonia sources that may have been absent from the other data sources. By using multiple data sources, this process is likely to have developed a complete list of BART-eligible facilities.

Table II-1: BART-eligible Categories and their SIC and SCC Codes

Source Category Name	Principal	Principal SCC(s)	Bart
J .	SIC	•	Category
Fossil Fuel-Fired Steam Electric Plants	4911	101xxxxx	1
(250 MM BTU heat input per hour)			
Coal Cleaning Plants (thermal dryers)	1100, 2999	305010xx	2
Kraft Pulp Mills	2611, 2621	307001xx	3
Portland Cement Plants	3241	305006xx, 305007xx	4
Primary Zinc Smelters	33xx, 3339	30303002	5
Iron and Steel Mill Plants	3312, 332X	303015xx	6
Primary Aluminum Ore Reduction Plants	3334	303001xx	7
Primary Copper Smelters	3331	303005xx	8
Municipal Incinerators (>25 tons refuse	4953	501001xx, 502005xx	9
per day)			
Hydrofluoric, Sulfuric, and Nitric Acid	2819, 2899	301070xx	10
Plants			
Petroleum Refineries	2911	306xxxxx	11
Lime Plants	3274	305016xx	12
Phosphate Rock Processing Plants	1429, 1475	305019xx	13
Coke Oven Batteries	3312	303003xx	14
Sulfur Recovery Plants	2819	30603301, 31000208	15
Carbon Black Plants (furnace process)	2895	30100503, 30100509	16
Primary Lead Smelters	3339	303010xx	17
Fuel Conversion Plants	NA	NA	18
Sintering Plants	NA	NA	19
Secondary Metal Production Facilities	3341, 334X	304xxxxx	20
Chemical Process Plants	28XX, 2899	301xxxxx	21
Fossil Fuel-Fired Boilers (250 MM BTU	NA	102001xx through 102007xx	22
heat input per hour)		103001xx through 103007xx	
Petroleum Storage and Transfer Facilities	5171	306xxxxx	23
(capacity > 300,000 barrels)			
Taconite Ore Processing Plants	1011, 3295	303023xx	24
Glass Fiber Processing Plants	32xx	305012xx	25
Charcoal Production Facilities	2819, 2861	301006xx	26

After MARAMA (2001), Table 2.1. SCC code 501001xx for municipal incinerators was added to the list after consultation with MARAMA and Pacific Environmental Services. SIC codes for Coal Cleaning Plants; Kraft Pulp Mills; Primary Zinc Smelters; Iron and Steel Mill Plants; Hydrofluoric, Sulfuric, and Nitric Acid Plants; Secondary Metal Production Facilities; Chemical Process Plants; Taconite Ore Processing Plants; and Charcoal Production Facilities were added from the Prevention of Significant Deterioration (PSD) program's descriptors of these categories.

B. Creating a "short list" of eligible facilities

After identifying sources that may be eligible for BART based on SIC or SCC code, NESCAUM used the Title V source list from each state to narrow the number of facilities that required further examination. If a facility was captured by the NEI database for SIC or SCC code and had emissions from criteria pollutants (VOC, PM, NO_X and SO₂) but was not on the state's Title V list, the facility was eliminated from further consideration. The Title V Program captures sources whose potential emissions are greater than "major" source level. Major emission levels vary given the attainment status of the pollutant but major levels are never greater than 250 tons PTE and are usually well below this level. 8 NESCAUM assumed that sources with BART SIC's or SCC's in the NEI that were not included on a state's Title V list must have a PTE less than the 250 TPY required for BART-eligibility. NESCAUM kept facilities that the NEI data identified as having ammonia emissions on the short list, regardless of whether or not they were included in the Title V Program. These facilities were kept on the short list because the Title V programs only incorporate federal programs, which regulate criteria pollutants and MACT/NESHAP¹⁰ sources. Ammonia emissions do not fall into this category. Therefore, the short list of sources subject to an in-depth review included sources from the appropriate SIC and SCC codes that were subject to the Title V program and any facility included in the NEI data with ammonia emissions.

C. Determining Unit Installation Dates and Potential Emissions

In most cases, installation dates and potential emissions data were found in each facility's Title V application. NESCAUM staff reviewed the applications in each state's offices, or when possible, at EPA New England's Boston office, and collected data for all of the facilities on the "short list." This data was entered into an Excel spreadsheet where dates were recorded for all units, but potential emissions were recorded only for units that may be BART-eligible in order to minimize the workload for the project. We have included a description of the spreadsheet layout and the results for a sample in section E.2 below.

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⁸ Major source emission thresholds in the MANE-VU region can vary from a PTE of 10 tons to 250 tons.
⁹ Some sources may have had calculated PTEs over the 250 TPY BART requirements but took caps that limited their emissions to below major levels. These sources are known as "synthetic minors". Synthetic minors are sources whose potential emissions are over major thresholds but have taken a cap to avoid inclusion in the Title V program. Since these caps are federally enforceable, this cap becomes the new PTE, and this designation renders these facilities ineligible for the BART program under the requirements of the Haze Rule.

¹⁰ MACT stands for Maximum Available Control Technology. NESHAP stands for National Emissions Standards for Hazardous Air Pollutants.

¹¹ Determining the potential to emit for one or more units can be a time consuming process requiring a detailed examination of a Title V permit which can be hundreds of pages in length. This process was only performed once dating criteria had established that at least one unit at a facility may have been BART-Eligible.

Few states have converted the "hardcopy" Title V applications to their electronic state data systems, thus NESCAUM had to manually review application files for each facility on the "short list." This step constituted the bulk of the work for this project, requiring extensive travel to state environmental department offices and considerable time reviewing Title V files from their archives. 12

The terms "in existence" and "in operation" are important in the second criterion for BART-eligibility listed above. These terms and the implication of various definitions are described below.

C.1 Complex Definitions of Installation and Operation Dates

The BART program applies to units that were in existence on August 7, 1977 but were not in operation before August 7, 1962 (henceforth "the BART window"). This seems, at first glance, to be a straightforward criterion. However, determining the eligibility of a unit with a date outside the window can be more complex than is apparent. Applications generally require an installation date for each unit, but no date for commencing operation. Without a clear definition of "installation date" it is conceivable that each Title V applicant may have had a different interpretation of the term when gathering information for the application. These concerns must be addressed before an accurate determination can be made.

Definition of "in existence"

Large units can be constructed over a matter of weeks or years, and installation date could refer to anything between the groundbreaking and completion of construction. The BART Guidance attempts to clarify installation date by broadening the term, stating:

The owner or operator has obtained all necessary preconstruction approvals or permits required by Federal, State or local air pollution emissions and air quality laws or regulations and either has (1) begun, or caused to begin, a continuous program of physical on-site construction of the facility or (2) entered into binding agreements or contractual obligations, which cannot be canceled or modified without substantial loss to the owner or operator, to undertake a program of construction of the facility to be completed in a reasonable time.... Thus, the term "in existence" means the same as "commence construction" in the PSD regulations.

This definition of "in existence" is extremely broad. A facility which obtained construction permits – or even contracted design and construction during the BART window – could be BART-eligible. Consider the following example. A facility obtained construction permits for a new boiler on June 3, 1977. Construction of the unit commenced in January of 1978 and was completed in January of 1979. The boiler was used the following month. An application may list the date of installation as 1978 or

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¹² The project benefited, to a great extent, from the central collection of many Title V applications at the EPA Region I offices and the extensive use of interns.

1979, making the unit appear ineligible for BART controls, even though it should be eligible because its permits were obtained within the BART window. Additionally, it is impossible to determine the precise date of installation (pre- or post-August 7) for units that list only "1977" as the installation date in Title V permit information.

NESCAUM's solution to these problems was to examine units with installation dates as late as 1979. Units with installation dates in 1977, 1978, and 1979 were marked as "uncertain for eligibility" and their potential emissions were recorded.

Definition of "in operation"

The other term relevant to the BART window is "in operation." Similar to "in existence" this term can be ambiguous. The "in operation" date refers to the date a unit actually began operations and not the date it was installed. Thus determining BART eligibility often depends on how a Title V applicant interpreted "installation date." Subject to that interpretation, a unit that is listed on a state's Title V list with an installation date of 1961 may or may not be eligible. For example, if 1961 was the year that construction commenced, regardless of when construction (installation) was complete, and the unit did not commence operation until after August 7, 1962, then the unit would be eligible. If construction commenced and installation was completed in1961, it is still possible, though unlikely, that the unit commenced operation after August 7, 1962, and it may be eligible. Finally, if 1961 was interpreted as the installation date based on the unit commencing operation during that year, it would not be eligible. As was the case with "in existence," Title V installation dates are also not sufficient to determine the precise date of installation (pre- or post-August 7) for units with1962 listed as the installation date.

In order to deal with these ambiguities, units with installation dates as early as 1960 were reviewed. Units with installation dates of 1960, 1961 or 1962 were also marked as "uncertain for eligibility" and potential emissions were recorded.

Summary of NESCAUM's BART-Eligible Date Range

In order to make accurate assessments of BART-eligibility, two questions must be answered. First, how did a Title V applicant interpret "installation" (i.e. what does the date on the form represent)? Second, how may this interpretation have affected the unit's eligibility? Depending on the answers to these questions, units with installation dates between 1960 and 1979 could be found BART-eligible. Units with installation dates between 1960-1962 and 1977-1979 were marked as uncertain. Some sources with these units have been marked as "potentially" eligible and individual state agencies will be required to make a final determination.

Units with installation dates within the BART window were marked as "date-certain," meaning that these units were clearly to be included in the determination of eligibility and their potential emissions were recorded. Units with installation dates in 1960, 1961, 1962, 1977, 1978, or 1979 were marked as "date-uncertain," meaning that these units may have been included in the determination of eligibility, and their potential emissions were also recorded. Units with installation dates outside of this range were not

Figure II-1: Strategy for Determining Eligible Sources by Date

					_
	Before	1960-	1963-	1977-	After
Dates	1960	1962	1976	1979	1979
Installation					
Date	Yes	Yes	Yes	Yes	Yes
Recorded?					
Potential					
Emissions	No	Yes	Yes	Yes	No
Recorded?					
C1 : C:	3 .7	Date-	Date-	Date-) I
Classification	None	Uncertain	Certain	Uncertain	None

included in the eligibility determination and their potential emissions were not recorded. Figure II-1 describes this strategy schematically.

C.2 Determining Potential Emissions

The final step before determining BART-eligibility was to establish the potential emissions for each unit at facilities on the short list. Potential emissions of the visibility-impairing pollutants (SO_2 , NO_X , VOCs, PM_{10} , and ammonia) were recorded for each unit with an installation date between 1960 and 1979. In general, NESCAUM recorded potential emissions directly from Title V applications, but when possible, NESCAUM staff also reviewed final permit data to ensure agreement between application and final permit data. NESCAUM staff attempted to record all data pertinent to BART eligibility but in some instances, this was not feasible. ¹³

The first challenge in determining potential emissions stems from the fact that ammonia emissions are rarely listed in Title V files. Because ammonia is not a criteria pollutant, it is seldom required for a Title V permit application. States with requirements for HAPs are more likely to incorporate ammonia emissions information in the state requirement section of the permit. Therefore, NESCAUM had to work with state air toxics programs to determine if any large ammonia emitting sources existed in the state.¹⁴ Recent atmospheric studies have shown that ammonia is a very important, but relatively poorly understood component of regional haze.¹⁵ More accurate information about

¹³ In some applications, some values were missing. In addition, difficulties with ammonia records and certain state-specific idiosyncrasies relating to applications and permit requirements complicated determinations and are described later.

 $^{^{14}}$ It is unlikely that any large stationary source emitters of ammonia are not also major sources of PM, SO₂, NO_X or VOC emissions. For this reason, it is unlikely, though not impossible, that any potentially BART-eligible sources have been missed as a result of the inadequacy of available ammonia emissions data.

¹⁵ In fact, atmospheric ammonia is the subject of the National Acid Deposition Program's (NADP) annual conference this year. This interest, in part, stems from the conference recommendation that we strive to

ammonia emissions is needed and potential large emitters of ammonia should be revisited when better data is available.

Additionally, NESCAUM faced two primary challenges related to the available emissions data. The first problem is that some states only required emissions information for regulated pollutants. While this was not necessarily a problem for determining BART eligibility, it will be more problematic when determining BART controls. The second data issue encountered relates to units deemed insignificant. Emissions data is not usually available for these units, but it is sometimes included in supplements to a Title V application. In many cases insignificant units do not change BART status; however, in instances where a facility has a large number of small boilers, the cumulative emission from these units may be sufficient to trigger a BART determination for the facility. During this project, NESCAUM uncovered at least one source where these units made a facility eligible for BART when included in emissions totals.

C.3 Making BART-Eligibility Determinations

A flow chart describing the process for making BART-eligibility determinations is displayed in Figure II-2 and described below.

- 1. In the first step, sources were selected from the appropriate categories with the NEI database and state Title V facility lists.
- 2. In step two, units installed between 1960 and 1979 were identified and their potential emissions recorded.

The check of the last criterion, whether these units had the potential to collectively emit 250 or more tons of any visibility-impairing pollutant, involved three further steps. Facilities could only be positively identified as BART-eligible if they met the category, date, and emissions criteria listed above. However, because of the additional dates considered, some missing potential emissions data, and some missing installation dates, NESCAUM also identified facilities that *may* be BART-eligible if more data can be acquired.

- 3. In step three of the flow chart, the emissions from units between 1963 and 1976 were summed. If these emissions exceeded 250 tons, the facility was certainly eligible for BART and was marked "YES."
- 4. If the emissions from step three were less than 250 tons, the emissions from units in the additional years considered by NESCAUM were added.

improve our understanding of atmospheric ammonia which emerged from the 2nd International Nitrogen Conference held October 2001 in Potomac, MD. Information about the upcoming NADP conference can be found online at: http://nadp.sws.uiuc.edu/announce/washdc/

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¹⁶ Once BART-eligibility is triggered for a single pollutant, all units at the facility constructed within the BART window are subject to a BART review for each visibility impairing pollutant regardless, of the PTE for non-triggering pollutants.

- If these emissions exceeded 250 tons, the facility may be eligible for BART controls and was marked "MAYBE."
- 5. If the emissions from step four were less than 250 tons, the emissions from any units whose installation dates were unknown were added. If these emissions exceeded 250 tons, the facility also may be eligible for BART controls and was marked "MAYBE." If the emissions still did not exceed 250 tons, the facility was not eligible and was marked "NO."

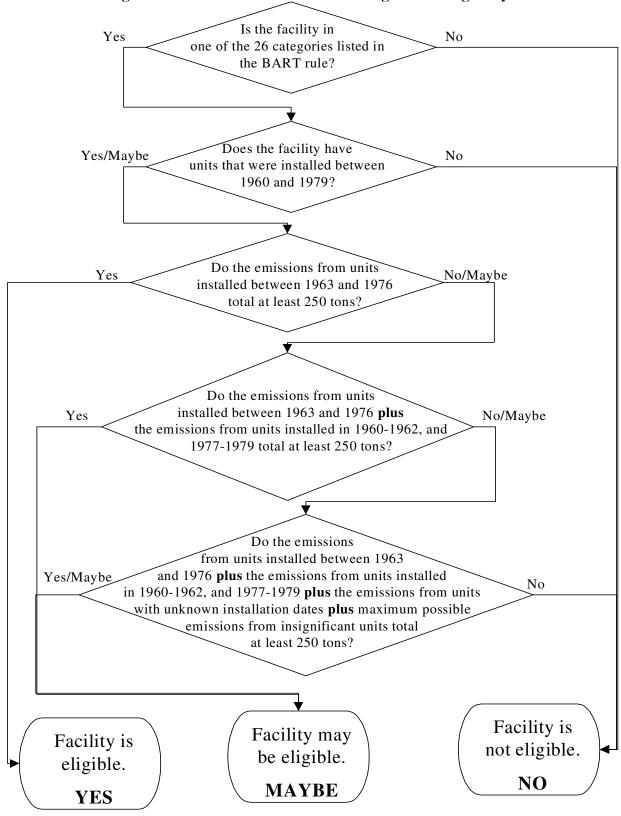


Figure II-2: Flow Chart for Determining BART Eligibility

D. Collecting and Organizing the Data

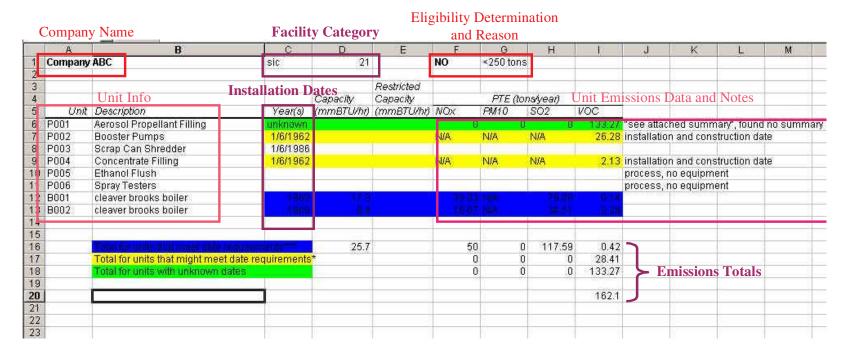
D.1 Collecting the Data

Collecting installation dates and emissions data for facilities comprised the bulk of the work for this project. The installation dates and emissions data could generally be found in Title V applications for each facility. The Title V applications for facilities on the "short list" were searched for appropriate equipment, installation dates, and potential emissions for each unit. Few states have transferred data from the paper applications to their electronic state data systems. Thus, NESCAUM obtained data by manually inspecting the application files. Because of the length of most application files, it was not feasible for the states to copy the files and submit them to NESCAUM; therefore NESCAUM staff traveled to, or hired interns at, state environmental agency offices to complete this work. In New England, most states required facilities to submit Title V applications to both the state and to EPA New England, and NESCAUM reviewed as many applications as possible at EPA New England's Boston office. NESCAUM staff traveled to state offices in New England to review applications not held at EPA for all other facilities, and to other states to review applications for their facilities.

D.2 Sample Results Sheet

All data was collected in Excel spreadsheets. One file was established for each state, and one sheet was used for each facility. A template was developed for the work, and included the facility's name, the reason it was researched, its BART category (as numbered in Table II-1), its eligibility status, and any notes about the status. The units were then listed by descriptor and permit ID number, and installation date, boiler capacity, and potential emissions for each pollutant were recorded. At the bottom of each sheet, a table was created in which emissions from units installed between 1963 and 1976 were summed (for step 3 of the flow chart), emissions from units installed in 1960-1962 and 1977-1979 were summed (for step 4 of the flow chart), and emissions from units with unknown installation dates were summed (for step 5 of the flow chart). An annotated picture of the sheet is shown in Figure II-3.

Figure II-3: Annotated Sample Data Collection Spreadsheet



Notes: This is a typical results sheet for a small facility. The top row contains the facility name, BART-eligible category and eligibility status with explanation. A table follows in which the information for each unit is displayed. The purple box highlights installation dates. Excel's conditional formatting feature was used to highlight the years, with date-certain units in blue, date-uncertain units in yellow, date-unknown units in green, and insignificant units in red (not shown here). Boiler capacity and any restrictions on capacity are identified, and potential emissions are tabulated, along with any notes about the unit. Finally, the emissions for each color category are totaled. In this example, the emissions from the date-certain units at the facility are less than 250 tons per year, and adding the emissions from date-uncertain and date-unknown units still fail to meet the BART-eligibility requirement. The facility is therefore not BART-eligible.

III. Summary of Results

A. Non-Utility BART Determination Results

This report provides results from the nine states for which NESCAUM developed BART-eligible source lists. NESCAUM closely examined 897 facilities (the short list). Of those 897, 66 are eligible for BART, 87 may be eligible for BART and 744 are not eligible. Additionally, the District of Columbia identified two BART-eligible sources in its jurisdiction. Appendix A includes facility information relating to BART, including BART status, BART category, and potential emissions information.¹⁷

A.1 "BART-Eligible" Facilities

NESCAUM deemed facilities as eligible for BART, if the facility installed units between 1963 and 1976 that collectively have the potential to emit 250 tons per year of a visibility-impairing pollutant. These facilities may have additional units that will be subject to BART, depending on confirmation of installation dates for units dated between 1960 and 1962 and 1977 and 1979. Any additional units would increase the potential emissions attributed to these facilities. States will need to make final determinations of BART-eligibility for these units. There are sixty-eight non-utility sources that are unambiguously eligible for BART control, including: 18

- Seventeen facilities with SIC or SCC codes corresponding to the fossilfuel fired boilers (250 MMBTU heat input) category,
- Fourteen facilities with SIC or SCC codes corresponding to the kraft pulp mill category,
- Ten facilities with SIC or SCC codes corresponding to the chemical process plant category,
- Five facilities with SIC or SCC codes corresponding to the Portland cement plant category,
- Five facilities with SIC or SCC codes corresponding to the glass fiber processing plant category,

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¹⁷ As described in Section II.D above, potential emissions for each facility were totaled for date-certain (1963-1976) units, date-uncertain units (1960-1962 and 1977-1979) units, and units with unknown installation dates. However, New Jersey's and New York's Title V records did not describe potential emissions by unit (see Section III.B.2, below). In order to provide non-zero results for New Jersey and New York, calculated emissions also include potential emissions from units with unknown installation dates.

¹⁸ The sources listed total seventy-two (not sixty-six) because four sources were captured by two categories and one source was captured by three categories.

- Four facilities with SIC or SCC code corresponding to the iron and steel plant category, and
- Three facilities with SIC or SCC code corresponding to the hydrofluoric, sulfuric, and nitric acid plants category,
- Three facilities with SIC or SCC code corresponding to the coke oven battery category,
- Two facilities with SIC or SCC code corresponding to the petroleum refineries category,
- Two facilities with SIC or SCC code corresponding to municipal incinerators (250 tons refuse per day) category,
- One facility with SIC or SCC code corresponding to the lime plant category,
- One facility with SIC or SCC code corresponding to the sulfur recovery plant category,
- One facility with SIC or SCC code corresponding to the taconite ore processing plant category,
- One facility with SIC or SCC code corresponding to the primary aluminum ore reduction plant category,
- One facility with SIC or SCC code corresponding to the zinc smelter category,
- One facility with SIC or SCC code corresponding to the charcoal production facility category, and
- One facility with SIC or SCC code corresponding to the coal cleaning plant category.

The geographic distribution of the facilities was as follows:

- Fifteen facilities are located in New York,
- Fifteen facilities are located in Massachusetts,
- Eleven facilities are located in Maine,
- Nine facilities are located in New Jersey,
- Eight facilities are located in Maryland,
- Three facilities are located in Delaware,

- Two facilities are located in New Hampshire,
- Two facilities are located in Rhode Island,
- One facility is located in Connecticut.

Total potential emissions from these facilities include: 229,562 tons of SO_2 , 90,352 tons of NO_X , 15,347 tons of VOC, and 24,142 tons of PM10. Emissions by category are shown in Figures IV-1 and IV-2 and a map of the eligible sources is shown in figure IV-5 in Section IV.C, below.

A.2 "Maybe BART-Eligible" Facilities

Facilities for which NESCAUM could not make a definitive determination were deemed "maybe BART-eligible." Facilities were given this designation for a number of reasons. The most common reason for placing facilities in this category occurred when units installed between 1963 and 1976 did not collectively have the potential to emit 250 tons per year of at least one visibility-impairing pollutant, but additional units (installed in 1960 - 1962 and 1977 - 1979, or with no installation dates) increased total potential emissions over BART thresholds. The second most common reason for including facilities in this category was lack of sufficient potential emissions data to allow for clear inclusion or exclusion. Facilities may also have been placed into this category when Title V permit documentation was not available or when analyzing the necessary data was beyond the expertise of NESCAUM staff.

NESCAUM identified eighty-seven facilities that may be BART-eligible. These facilities fall into seventeen of the BART source categories, including: ¹⁹

- Twenty-five with SIC or SCC codes corresponding to the chemical process plant category,
- Twenty facilities with SIC or SCC codes corresponding to the fossil-fuel fired boilers (250 MMBTU heat input) category,
- Nine facilities with SIC or SCC codes corresponding to the petroleum storage and transfer facilities category,
- Eight facilities with SIC or SCC code corresponding to the glass fiber processing plants category,
- Six facilities with SIC or SCC codes corresponding to the municipal incinerator category,
- Four facilities with SIC or SCC code corresponding to the kraft pulp mill category.

¹⁹ The sources listed total ninety-one (not eighty-seven) because one source was captured by two categories and two sources were captured by three categories.

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- Three facilities with SIC or SCC codes corresponding to the primary zinc smelter category,
- Three facilities with SIC or SCC code corresponding to the hydrofluoric, sulfuric, and nitric acid plants category,
- Three facilities with SIC or SCC code corresponding to the petroleum refineries category,
- Two facilities with SIC or SCC codes corresponding to the Portland cement category,
- Two facilities with SIC or SCC code corresponding to the charcoal production facilities category,
- Two facilities with SIC or SCC code corresponding to the sulfur recover plants category,
- One facility with SIC or SCC code corresponding to the primary lead smelters category,
- One facility with SIC or SCC code corresponding to the secondary metal production facilities category,
- One facility with SIC or SCC code corresponding to the iron and steel mill plants category,
- One facility with SIC or SCC code corresponding to the lime plants category, and
- One facility with SIC or SCC code corresponding to the coal cleaning plant category.

Of the eighty-seven facilities:

- Twenty-eight are located in New York,
- Twenty-six are located in New Jersey,
- Nineteen are located in Massachusetts,
- Seven are located in Delaware,
- Four located in Connecticut,
- One located in Maine,
- One located in new Hampshire, and

One located in Maryland.

Total known emissions from all units at facilities that may be BART-eligible (exclusive of the emissions from facilities that are unambiguously BART-eligible) include: 21,408 tons of SO₂, 19,676 tons of NO_X, 35,960 tons of VOC, 6,009 tons of PM10, and no ammonia. Total potential emissions from these facilities may be significantly higher, however, since emissions from many units remain unknown. Emissions by category, when available, are shown in Figures IV-3 and IV-4, and a map of the "maybe" eligible sources is shown in Figure IV-6 in Section IV.C, below. ²⁰

A.3 Additional Statistics from the BART Research

The BART determination process allowed NESCAUM to collect information regarding a variety of units at a wide range of facilities in the MANE-VU region. In addition to the units targeted by the rule, NESCAUM collected data from pre-1960 ("pre-BART") and post-1979 ("post-BART") units at many facilities. Although data collection for these non-BART sources was minimized in order to make best use of the resources allocated for this project, we were able to take note of some interesting statistics.

Pre-BART Units

A surprising fraction of facilities (172 of 897, or 19%) had at least one unit that was installed before 1960. In fact, twenty-one facilities had only units installed before 1960. For most facilities (485), pre-1960 emission units may exist, but installation dates were not completely documented in the Title V permits. Potential emissions data was generally not recorded for these units, but it was interesting to note the large number of facilities that have older units in use, suggesting that a substantial emissions reduction potential exists among pre-1962 sources. In fact, under the BART project, NESCAUM identified boilers that had been in use since 1918. This finding contradicts the expectation of the Clean Air Act that older units would be retired and clouds the rationale for the 15-year BART Window.

Post-BART Units

Not surprisingly, many of the sources (397 of 897, or 44%) had units installed after the BART applicable period. In fact, the majority of facilities were determined to be ineligible for BART controls because most of their emission units were installed after 1979. Of the sixty-six facilities identified as BART-eligible, 43 had units installed after 1979. Significant ramifications for BART-eligible units at these facilities may exist due to the netting process of NSR. This program and its implications are further discussed in Section IV.

Ineligible Boiler Facilities

At least 18 facilities in the boiler category had units installed between 1960 and 1979 that did not have the required 250 MMBTU capacity, but did collectively emit more than 250 tons of a visibility-impairing pollutant. Because emissions were not always

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²⁰ See footnote 17.

collected in cases where it was clear that a facility did not meet the boiler capacity requirement, it is possible that there are other facilities in this category. Secondly, in some cases where emissions data was collected about pre-BART units, a handful of facilities were recorded that have older boilers with approximately 250 MMBTU of capacity that emit more than 250 tons of a visibility-impairing pollutant. This fact points again to the emissions reduction potential that exists for pre-1962 units in the 26 BART categories.

B. Individual State Issues and Idiosyncrasies

Given the slightly different requirements for individual states' Title V applications and different procedures for collecting the information and issuing permits, it came as no surprise that the information collected from each state varied with respect to data format and storage procedures. These differences occasionally led to challenges in obtaining the information necessary to complete BART eligibility determinations. Some of these challenges are outlined below.

B.1 EPA New England - Region 1

In New England, many state permitting agencies required facilities to submit copies of their Title V applications to EPA New England's Boston office. This made review of information for these states easier since it allowed NESCAUM interns and staff to complete considerable portions of the determinations before traveling to a state to review their files. An additional key to completing BART eligibility determinations in New England states was that most required a complete equipment list at the beginning of the application. This simplified identification of appropriate units for research and helped to ensure that no pieces of equipment were skipped in the analysis.

Maine and New Hampshire

The review of information in Maine and New Hampshire was straightforward. Both states required facilities to submit installation dates and potential emissions in their Title V applications. When a final permit had been developed, NESCAUM reviewed this information to ensure that no new emission limits had been placed on the facility.

Rhode Island

Rhode Island's permit applications were straightforward. A number of facilities were eliminated from consideration because state staff confirmed that those facilities' boilers totaled less than 250 MMBTU.

Massachusetts

Data from Massachusetts posed some complications for BART review. In some cases, facilities reported emissions for only a few pollutants. NESCAUM staff assumed that these facilities did not have significant emissions of the pollutants that were not listed. NESCAUM suggests that the state review the emissions from facilities on their "short list" to ensure that no BART-eligible sources were missed as a result of this

assumption. In addition, NESCAUM found at least one Massachusetts facility that listed a large number of insignificant units. These units consisted of boilers whose capacity was less than 10MMBTU. It is possible that these units would make this facility a BART-eligible source, if complete installation dates for insignificant units could be obtained.

Connecticut

Connecticut permit applications often include multiple "operating scenarios" for boilers that use fuel switching, which complicated the determination process. Potential emissions were reported for each fuel, calculating the emissions as if the boiler had used that fuel for the whole year. If no composite potential emissions calculation existed, the maximum PTE was used to determine eligibility. When potential emissions for a composite fuel scenario were available, NESCAUM used this figure to determine BART eligibility. In some cases, a composite fuel scenario required calculations for multiple fuels since the state capped the use of certain fuels and would not allow their use for an entire year.

large (one facility had approximately 800 units), performing BART determination for New Jersey was a significant challenge. However, New Jersey's database (NJEMS) provided most of the information needed to make BART determinations. Given the type of data available in NJEMS, NESCAUM modified their strategy for eliminating facilities. Rather than begin to review installation dates and pare the list from this information,

B.2 EPA Region 2

New Jersey

With 179 facilities to review and the knowledge that many of them would be quite

NESCAUM staff reviewed each facility's total PTE of visibility-impairing pollutants. NESCAUM eliminated all facilities whose facility-wide emissions for visibilityimpairing pollutants were less than 250 tons per year. This reduced the list that required detailed review to only 65 facilities. New Jersey's database allowed easy collection of most unit descriptors, as well as some data for dates and potential emissions by pollutant. Three main problems with the database complicated determinations. First, the database is continuously updated as engineers enter data to review applications and develop permits, so the database is dynamic and is not complete for some facilities. Second, the database mainly captured modification dates for emission units, not installation dates. NESCAUM staff had to examine Sub 8 files²¹ for each emission unit to determine their installation dates. Finally, potential emissions were sometimes available only for processes, not for individual units. When necessary, NESCAUM staff reviewed major NSR permits, minor NSR permits, and Sub 8 files to find unit-specific potential emissions and complete

BART eligibility determinations.

²¹ Sub 8 files include permit data for major and minor New Source Review permits. These permits are the original permits that determined limits and applicability for inclusion in the Title V permits.

New York

New York had the longest "short list," with 336 facilities. As with New Jersey, NESCAUM eliminated facilities whose total potential emissions of visibility-impairing pollutants were less than 250 tons per year, leaving 109 facilities for review. Completing BART determinations for New York was challenging due to New York's methods for compiling information in their database, the location and availability of data (e.g., certain specific information is only available on paper files located in each of New York's nine regional offices), and differences in New York's Title V application.

Regarding the differences in New York's Title V application and data system relative to other states in the MANE-VU region, one of the major obstacles faced was a terminology issue. While most states refer to a piece of equipment as a unit, New York calls it a source. In most states, a collection of units makes up a process. In New York, a collection of sources makes up a unit. "Units" in New York's electronic database, therefore, rarely had installation dates, because equipment in a process may have been installed at different times. These differences required significant modifications to the BART results spreadsheet that NESCAUM developed. For this reason, the New York spreadsheets vary from those of other MANE-VU states.

Additionally, installation dates and equipment-specific potential emissions were not required fields in New York's Title V applications. This resulted in many facilities that chose not to provide this information. In some cases, it was possible to find this data in older "AIR 100" permits, which could only be examined in the regional offices. Since each regional office had its own requirements and methods for storing and reviewing Title V information, data completeness, and therefore ability to determine BART eligibility, varied by region.

B.3 EPA Region 3

Delaware

Delaware graciously volunteered to be our "test state" so that we could "ground-truth" our research process. The aim of this "ground truthing" exercise was to record the data necessary to determine eligibility and to gain a sense of size of the undertaking. Total BART-eligible potential emissions data are therefore not necessarily complete, as research on each eligible facility was stopped when the 250-ton minimum was met. Because of the desire to examine every facility on the short list, NESCAUM did not spend a lot of time with difficult facilities. Delaware had the most complicated facility that NESCAUM examined: a petroleum refinery that is sited in both Delaware and Pennsylvania. Given the complexity of the source and the inability of NESCAUM to determine which state had jurisdiction over different units, NESCAUM left this facility for the state to review.

Maryland

Review of Maryland's data was simple since the state had input all the Title V application data into an electronic database. All of the necessary information was printed from the database before the arrival of NESCAUM staff, and was easily transferred into

NESCAUM records. The only drawback to the system was a lack of unit descriptor. Broad categories such as "Fuel burning equipment – coal, wood, solid fuel" make the results more difficult to read.

IV. Issues and Priorities

Once states have reviewed the findings of this memorandum and have completed the identification of BART-eligible sources in the MANE-VU region, states and tribes will have to consider which of these facilities should be *subject* to BART, and carry out BART determinations to identify proper controls for each source. It is anticipated that USEPA will issue guidelines for these steps following re-proposal and finalization of the BART provisions in the Haze Rule. Depending on how EPA deals with BART in future rulemakings, there are several issues that emerge from the MANE-VU BART inventory which should be considered prior to establishing sources subject to BART or the determination processes.

A. Potential vs. Actual Emissions in the Northeast

The July 2001 BART Guidance selects facilities for control technologies based on potential emissions, a calculated estimate of the maximum amount of pollution a piece of equipment could emit. Potential emissions are generally calculated with the assumption that the equipment is operated 24 hours per day, 365 days per year, at maximum capacity, unless capped by a permit limit. If a facility uses the equipment less often or under a lighter load, actual emissions may be much less than the hypothetical potential. Even under a cap, a facility's actual emissions tend to be significantly lower than actual emissions. This is especially true in the Northeast, where the gap between actual and potential emissions is often vast. For instance, one facility has a permit condition that limits its potential NO_X emissions to 1600 tons per year; however, their actual emissions have never exceeded 700 tons per year. Therefore, we cannot base the actual level of emission reductions (and therefore, the degree of visibility improvement) BART will achieve on potential emissions alone. In order to understand likely effects of BART application, MANE-VU should gather actual emissions information for BART-eligible sources.

B. Effect of Other Programs on BART Control Decisions

Two critical factors to consider when determining BART controls are the impact and interaction of other regulatory programs that may result in controls on BART sources. Programs likely to affect BART-eligible units at a source are the New Source Review (NSR) Program, the MACT program, or Title IV (the acid rain program).

Under the New Source Review program, facilities can "net" out of major NSR by calculating contemporaneous emission increases and decreases in a process known as a "netting calculation." In some cases, it may be more cost effective for a facility to put controls on an older emission unit and claim the contemporaneous decrease to avoid

triggering the major NSR permit process. In fact, NESCAUM staff noted that in many cases sources had already put controls or caps on BART-eligible emission units.

Another regulatory program that could impact BART units is the MACT program. The MACT program regulates toxic air emissions for 174 source categories. Most of the BART source categories are also regulated by a MACT. In some instances, the MACT standards have yet to be promulgated; however, we can assume that the MACT program may have already imposed controls on some BART units, especially those that emit VOCs.

Additionally, many of the Electrical Generating Unit (EGU) BART-eligible sources identified previously (NESCAUM, 2001) are subject to national SO₂ emission caps under the Title IV program. EPA has not previously proposed any regulation that addresses the interaction of BART and Title IV, suggesting that Title IV compliance can be achieved, in large part, through the rigorous application of BART controls to BART-eligible facilities. Depending on the extent of Title IV compliance that can be achieved at BART-eligible facilities, relatively few additional emissions reductions would result from the BART program.

A detailed examination of the interaction of BART with other control programs would benefit the states and tribes charged with carrying out BART determinations.

C. Utility vs. Non-Utility BART Emissions

NESCAUM evaluated utility sector BART eligibility previously (NESCAUM, 2001) and reported actual emissions for these facilities for 1999. Table III-1 compares the *actual* utility sector BART emissions to *potential* emissions from non-utility sources that are or may be BART-eligible. This comparison suggests that power plants have a greater impact on total regional BART-eligible SO₂ and NO_X emissions than the remaining 25 BART categories, even when the "MAYBE" eligible facilities are included in the analysis. Note, however, that this is not always the case. Maine non-EGU emissions outweigh EGU emissions and are located closer to Class I areas protected under the Haze Rule. This demonstrates that a careful analysis of all BART-eligible categories and the emissions reduction potential from each will be required to understand the likely visibility impacts of potential control programs. When considering the impacts of a sector or facility, factors beyond total emissions should be considered, including their proximity to Class I areas, the type of emissions (i.e. primary versus precursor), and the actual emission reductions that could be realized from implementing BART controls.

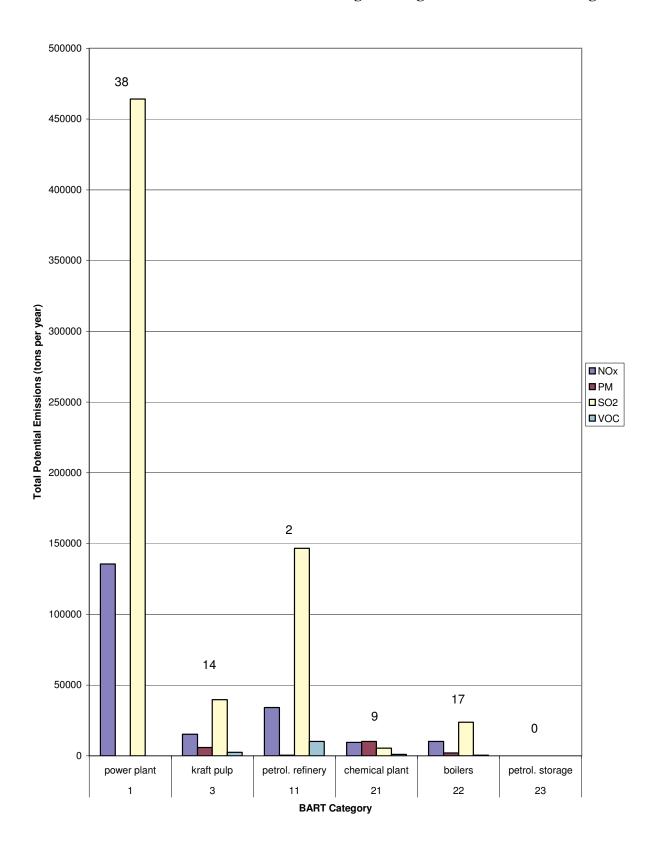
An additional consideration that states and tribes may want to consider when designing control strategies is the impact of source categories not covered by the BART provisions of the Haze Rule. For example, while Vermont has no BART-eligible sources, they do have sources that emit significant amounts of regional haze pollutants. The largest NO_X emitters in the state are the diesel generators that run snowmaking operations. A recent trend toward small, distributed electrical generation via diesel internal combustion engines across the Northeast has significantly boosted the population of these sources

Table IV-1: Emissions from Utility BART-Eligible and Non-Utility BART-Eligible and Maybe BART-Eligible Facilities

State	ACTUAL NO _X Emissions from BART EGU sources (tons/year)	ACTUAL SO2 Emissions from BART EGU sources (tons/year)	POTENTIAL NO _X Emissions from BART non-EGU sources (tons/year)	POTENTIAL SO2 Emissions from BART non-EGU sources (tons/year)	POTENTIAL PM Emissions from BART non-EGU sources (tons/year)	POTENTIAL VOC Emissions from BART non-EGU sources (tons/year)	POTENTIAL Ammonia Emissions from BART non-EGU sources (tons/year)
СТ	8126.6	30,786.7	605.7	1,152.0	77.4	483.0	0
DC	447.1	1432.3	N/A	N/A	N/A	N/A	N/A
DE	4466.1	10,490.8	2,215.6	2,369.0	7,585.0	367.5	0
ME	879.4	6406.2	15,290.6	32,251.7	5,857.0	2,516.3	0
MD	44,039.6	177,681.7	8,602.8	17,608.6	1,244.4	301.9	0
MA	27,867.9	97,866.7	10,330.1	14,973.6	1,779.7	184.4	0
NH	7043.4	37,834.5	1,238.7	4,949.4	371.8	63.9	0
NJ	12,738.7	37,834.5	48,857.9	160,864.3	2,893.1	45,113.4	0
NY	30,366.1	69,416.4	22,118.3	15,455.7	10,229.4	2,169.2	0
PA	143,801.9	734,014.5	N/A	N/A	N/A	N/A	N/A
RI	0	0	768.2	1,375.0	112.9	106.8	0
VT	0	0	0	0	0	0	0

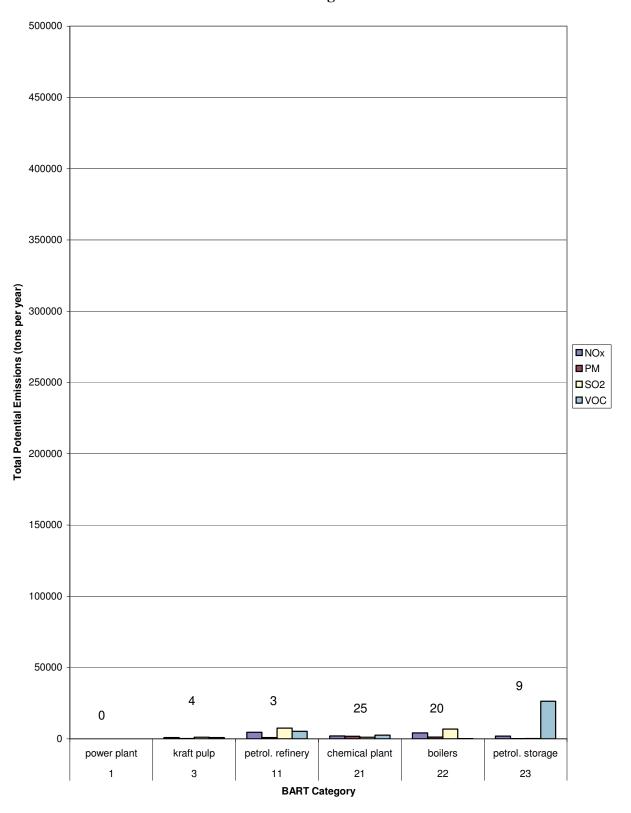
(NESCAUM, 2003). While the individual emissions from these units may seem insignificant compared to some of the BART-eligible source categories, the lack of regulation and increasing popularity of this category of sources may warrant further examination of the emission reduction potential.

Figure IV-1: Total Emissions from Sources in the Six Largest Categories that are BART-Eligible



Note: Numbers above each set of potential emissions represent the number of facilities contributing to the potential emissions in each BART category.

Figure IV-2: Total Potential Emissions from Sources in the Six Largest Categories that May Be BART-Eligible



Note: Numbers above each set of potential emissions represent the number of facilities contributing to the potential emissions in each BART category.

Figure IV-3: Total Potential Emissions from Sources in Other Categories that are BART-Eligible

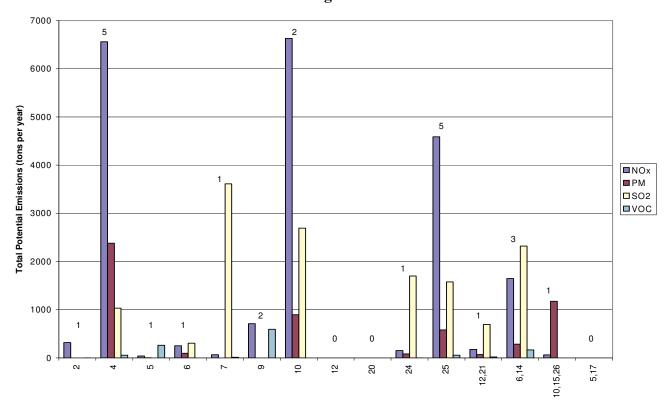
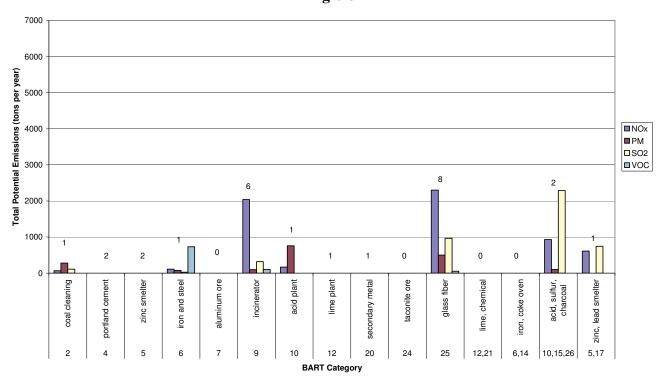


Figure IV-4: Total Potential Emissions from Sources in Other Categories that May Be BART-Eligible



Note: Numbers above each set of potential emissions represent the number of facilities contributing to the potential emissions in each BART category.

BART Categories

All other

Boilers

Chemical Plant

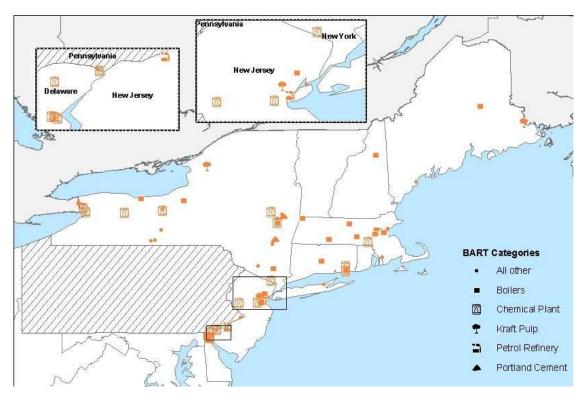
Kraft Pulp

Petrol Refinery

Portland Cement

Figure IV-5: Map of BART Eligible Sources

Figure IV-6: Map of Sources that May Be BART-Eligible



The state of Pennsylvania was not included in the development of these lists and plans to develop its own BART-eligible source lists independently.

D. Degree of Improvement Reasonably Anticipated from BART

As part of the BART engineering analysis, states and tribes must determine the degree of improvement reasonably anticipated from the installation of BART controls. Whether these improvements must be analyzed on a source by source basis, or whether similar sources can be grouped for these analyses, is dependent on how USEPA deals with this issue in the Haze Rule. Sources may be grouped with respect to geographic similarity (e.g. all sources in a state or region) or by control type (e.g. all scrubbers collectively are anticipated to result in the following improvement...), however until USEPA issues detailed guidance on how these groupings can be performed, it would appear likely that states and tribes will have to treat each source individually for assessment purposes.

This implies a tremendous need for additional data analysis and modeling to develop contribution assessments that can be applied as 'subject to BART' criteria as well as to fulfill those requirements of the engineering analysis of the BART determination process.

V. Conclusion

In response to anticipated requirements under the Regional Haze Rule for controlling BART-eligible sources in the MANE-VU region, NESCAUM has prepared a preliminary listing of these sources in 9 of the 12 MANE-VU jurisdictions. It is believed that no BART-eligible sources exist in Vermont or on the St. Regis Mohawk and the Penobscot reservations. Pennsylvania is independently developing its own listing of BART-eligible sources in that state. The District of Columbia developed its own listing of BART-eligible sources in its jurisdiction but did not use the NESCAUM method.

The development of this list has identified 66 non-EGU sources that are eligible for subsequent BART analyses and 87 additional sources that may be eligible. States will need to verify the accuracy of the identifications made by NESCAUM and conduct additional research to determine the eligibility of those sources determined as "MAYBE eligible" by the NESCAUM survey.

Preliminary results suggest that of the unambiguously BART-eligible non-EGU sources, 26% are industrial boilers and 21% are kraft pulp mills. The remaining 53% are in a variety of source categories but account for only 8% and 34% of BART-eligible SO_2 and NO_X emissions from the non-EGU sectors, respectively (excluding a single refinery that emits 64% and 37% of the non-EGU BART-eligible SO_2 and NO_X by itself). However, the reader is cautioned that these numbers are likely to change as further research clarifies the eligibility status of sources that may be BART-eligible.

Before states and tribes proceed with the subsequent steps of determining which of these sources are subject to BART and conducting BART determinations, a number of recommendations have been generated as a result of this project. These include:

- States and Tribes may want to consider expanding the date range of BART eligible units to include pre-1962 units that have not otherwise been controlled to achieve visibility goals under the regional haze rule.
- MANE-VU should gather updated actual emissions information (as opposed to potential emissions) for BART-eligible sources and inventory existing controls on these units to determine the efficacy of imposing controls on these units.
- MANE-VU should conduct a detailed examination of the interaction of BART with other control programs so the states and tribes charged with carrying out BART determinations can fully evaluate the effect of BART.
- MANE-VU should conduct an analysis of all BART-eligible categories and the emissions reduction potential from each to understand the likely visibility impacts of potential control programs.
- MANE-VU should conduct an analysis of haze-related emission reduction potential from source categories outside the scope of the BART to identify additional options for state and tribal compliance options.
- MANE-VU should assess the need for additional data analysis and modeling to develop contribution assessments that can be applied as 'subject to BART' criteria as well as to fulfill those requirements of the engineering analysis of the BART determination process.

References

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Appendix A

State-by-State Listing of BART-Eligible and Potentially BART-Eligible Sources

Appendix Notes

The tables on the following pages contain a listing of BART-eligible sources, potentially BART-eligible sources (pending further research) and BART-ineligible sources for each state, respectively. Columns contain the facility name and BART category. Potential emissions are then listed in two sets of columns. The first set of columns list the potential emissions from "date certain" emission units (i.e. units with installation dates between 1963 and 1976) and the second set of columns lists potential emissions, when known, ²² from emission units with installation dates between 1960-1962 and 1977-1979. Individual notes are described below.

- 1 Further research on installation dates is required.
- 2 Further research on potential emissions is required.
- 3 Further research on unit capacities is required.
- 4 No Title V application was available.
- 5 Fugitive emissions may make this source eligible.
- 6 Eligibility determination was too complex for NESCAUM to complete.
- 7 Ammonia emissions may make this source eligible.
- 8 Further research into insignificant units is required.
- 9 This source may be part of another source.
- 10 This source does may meet the boiler capacity requirement with research on installation dates.
- 11 This source has units installed prior to 1960.
- 12 This source has units installed after 1979.
- 13 This source has no units that were installed between 1960 and 1979.
- Potential emissions are less than 250 tons per year.
- Boiler capacity is less than 250 MMBTU.
- 16 This facility has no boilers.
- 17 NESCAUM is uncertain of the correct SIC code for this facility.
- 18 This facility has closed.

No lists are available for the State of Vermont or any of the member Tribes in MANE-VU. None of these jurisdictions have any BART-eligible sources to our knowledge. No list is available for the state of Pennsylvania; Pennsylvania plans to develop its own BART-eligible source lists independently. The District of Columbia developed a BART-Eligible source list following its own methodology and identified two eligible sources.

²² See footnote 17

Table CT-1: BART-Eligible Sources in CT

								Potential	emission	s from 1960	-1962, 1977-	
				Potential emissions from date-eligible units				19	79 units		<u> </u>	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
CT	SPRAGUE PAPERBOARD INC	Versailles	boilers	239.3	20.6	250.8	unknown	n/a	n/a	n/a	n/a	

Table CT-2: Potentially BART-Eligible Sources in CT

				Potential	omioniono f	rom date-el				rom 1960-1 units	962, 1977-	
State	Company Name	Citv	BART Category			SO2	0		PM	SO2	VOC	Notes
CT	DOW CHEMICAL COMPANY	Gales Ferry	chemical plant	32.98	4.3	30.88	142.63	13.6	5.43	14.005	338.23	1,11,12
CT	ELECTRIC BOAT COMPANY (GENERAL DYNAMICS COMPAN	Groton	boilers	98.562	18.826	438.085	1.268	79.339	13.606	316.599	0.916	3,10,11,12
CT	HABASIT ABT, INC.	Middletown	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
CT	PFIZER INC	Groton	chemical plant	141.9	14.6	101.6	unknown	0	0	0	unknown	2,11

Table CT-3: Non-BART-Eligible Sources in CT

					emissions f	rom date-el	igible units			rom 1960-1 units	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
CT	AES THAMES, INC.	Uncasville		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	ALLEGEHNY LUDLAM CORP	Wallingford	secondary metal	unknown	unknown	unknown	unknown	6.75	unknown	14.58	0.069	15
CT	AMGRAPH PACKAGING, INC.	Versailles	boilers	7.884	. 0	0.5256	unknown	n/a	n/a	n/a	n/a	15
CT	BARDEN CORPORATION	Danbury	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
CT	BESTFOODS (BESTFOODS BAKING COMPANY)	Greenwich	boilers	unknown	unknown	unknown	unknown	5.23	0.459	0.036	0.97	15
CT	BRIDGEPORT HOSPITAL	Bridgeport	boilers	55.56	6.74	139.28	1.4	unknown	unknown	unknown	unknown	11,15
CT	BRIDGEPORT RESCO COMPANY L.P.	Bridgeport	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	CAPITOL DISTRICT ENERGY CENTER	Hartford	boilers	unknown	unknown	unknown	unknown	116.56	unknown	251.17	13.13	15
CT	CONNECTICUT RESOURCES RECOVERY AUTHORITY	Hartford	incinerator	54.8		7.4	unknown	0	0	0	0	12,14
CT	CYTEC INDUSTRIES INC	Wallingford	boilers	13.2	2.7	33.2	unknown	unknown	unknown	unknown	unknown	11,15
CT	DANBURY PHARMACAL, INC.	Danbury	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	DEXTER CORPORATION COGENERATION FACILITY	Windsor Locks	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	EXETER ENERGY LTD PARTNERSHIP	Sterling	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	EYELET TOOLMAKERS, INC.	Watertown	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,15
CT	FRITO-LAY, INC.	Dayville	boilers	unknown	unknown	unknown	unknown	207.6	unknown	unknown	unknown	15
CT	GULF OIL LIMITED PARTNERSHIP	New Haven	petrol. storage	unknown	unknown	unknown	12.482	0.2	0.02	0.42	0.0009	11,12,14
CT	HARTFORD STEAM COMPANY	Hartford	boilers	unknown	unknown	unknown	unknown	9.08	2.59	14.01	4.15	15
CT	JACOBS VEHICLE SYSTEMS INC	Bloomfield	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
CT	KIMBERLY-CLARK CORPORATION (NEW MILFORD)	New Milford	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
CT	NORTHEAST NUCLEAR ENERGY COMPANY	Waterford	boilers	117.7	18.3	347.6	1.9	n/a	n/a	n/a	n/a	12,15
CT	OGDEN MARTIN SYSTEMS OF BRISTOL, INC (COVANTA)	Bristol	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	OGDEN PROJECTS OF WALLINGFORD	Wallingford	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	PHELPS DODGE COPPER PRODUCTS COMPANY	Norwich	zinc smelter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13

Table CT-3: Non-BART-Eligible Sources in CT (cont.)

								Potential	emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f	rom date-e	igible units		1979	units		i I
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
CT	RILEY ENERGY SYS-LISBON CORP/WHEELABRATOR	Lisbon	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
CT	RISDON CORPORATION	Danbury	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16
CT	ROGERS CORPORATION	Manchester	boilers	53.48	10.387	154.605	0.272	n/a	n/a	n/a	n/a	15
CT	ROSS & ROBERTS, INC.	Stratford	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,13
CT	SARTOMER COMPANY, INC.	Stratford	boilers	0.4	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
CT	SIKORSKY AIRCARFT	Stratford	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
CT	SIMKINS INDUSTRIES, INC.	New Haven	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,13
CT	SOMERS THIN STRIP, OLIN CORPORATION	Waterbury	zinc smelter	12.26	4.3	45.98	0.8	n/a	n/a	n/a	n/a	15
CT	SPONGEX CORPORATION	Shelton	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	THE AMERICAN REF-FUEL CO OF SE CT (FRITO-LAY, INC.)	Preston	iron, coke oven	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
CT	THE METROPOLITAN DISTRICT	Hartford	boilers	0.552	0.025	0.003	0.032	7	0.292	0.042	0.438	12,15
CT	WYATT ENERGY - WILLIAMS ENERGY (FORBES AVENUE)	New Haven	petrol. storage	0	0	0	0.0004	unknown	unknown	unknown	unknown	11,12,14
CT	WYATT ENERGY - WILLIAMS ENERGY (WATERFRONT ST)	New Haven	petrol. storage	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,13

Table DE-1: BART-Eligible Sources in DE

				Potential	emissions f	rom date-eli				rom 1960-1) units	962, 1977-	
State	Company Name	City	BART Category				Ü				VOC	Notes
DE	Citisteel	Claymont	iron and steel	254.1	14.7	304.92	unknown	unknown	unknown	unknown	unknown	11,12
DE	DuPont Edge Moor	Edge Moor	chemical plant	unknown	unknown	350	220	unknown	5957	unknown	unknown	12
DE	Reichhold	Cheswold	chemical plant	172.58	78.76	1172.52	0.88	unknown	unknown	unknown	unknown	

Table DE-2: Potentially BART-Eligible Sources in DE

				D							962, 1977-	
					emissions f					units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
DE	Formosa Plastics	Delaware City	chemical plant	29.252	72.63	60	unknown	unknown	151.55	unknown	0.061	2,12
DE	General Chemical	Claymont	chemical plant	11.388	25.236	26.268	0.131	0	843.2	182	0	5,11,12
DE	Hercules	Wilmington	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	2,3,11,12
DE	Kaneka	Delaware City	chemical plant	20.453	159.451	0.022	2.451	16.2	100.7	unknown	0.324	2
DE	Metachem	Delaware City	chemical plant	59.26	40.2	126.7	136.79	234.96	42.25	146.6	6.88	2,12
DE	Motiva	Delaware City	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	2
DE	Sunoco	Claymont	petrol. storage	0	7.32	0	0	1417.41	11.4	unknown	unknown	6,12

Table DE-3: Non-BART-Eligible Sources in DE

										rom 1960-1	962, 1977-	
				Potential			igible units			units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
DE	A. I. DuPont Hospital	Wilmington	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	Allen Family	Harbeson	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	Allen's Milling	Delmar	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	Amtrak	Wilmington	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
DE	Camden Metals	Camden	zinc smelter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	17
DE	CIBA	Newport	chemical plant	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
DE	Daimler-Chrysler	Newark	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,12,13
DE	Delaware Correctional	Smyrna	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,15
DE	Desseault	New Castle	#N/A	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	17
DE	Dover AFB	Dover	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
DE	DuPont Experimental Station	Wilmington	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	11,13
DE	DuPont Seaford	Seaford	chemical plant	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
DE	DuPont Wilmington Office	Wilmington	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	FMC	Newark	chemical plant	26.105	30.415	1.551	0.592	15.3	1.5	0.066	0.305	11,12,14
DE	General Motors	Wilmington	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	11,12,15
DE	Honeywell	Claymont	acid, sulfur, charc	7.64	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
DE	Kraft Foods	Dover	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	LaFarge	Wilmington	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	Mountaire Delmarva	Selbyville	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15

Table DE-3: Non-BART-Eligible Sources in DE (cont.)

								Potential	emissions fr	om 1960-1	962, 1977-	
				Potential of	emissions f	rom date-el	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
DE	NVF				unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
DE	Occidental	Delaware City	chemical plant	unknown	193.2	201.69	unknown	n/a	n/a	n/a	n/a	12,14
DE	Purdue	Georgetown	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	SPI Polyols	New Castle	chemical plant	17.49	0.66	0	0	8	0.8	17.1	3.79	11,12,14
DE	Uniqema	New Castle	chemical plant	unknown	unknown	unknown	unknown	unknown	30.66	unknown	19.55	14
DE	University of Delaware	Newark	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	11,15
DE	VPI Mirrex	Delaware City	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	17
DE	Westvaco	Newark	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
DE	Wilmington Piece Dye	Wilmington	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
DE	Wilmington Wastewater	Wilmington	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16

Table MA-1: BART-Eligible Sources in MA

								Potential	emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f	rom date-el	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MA	BALL FOSTER GLASS CO (AMERICAN NATIONAL CAN CO.)	Milford	glass fiber	560.8	20.9	322.8	0.00667	3.6	unknown	unknown	unknown	12
MA	EASTMAN GELATINE CORP	Peabody	chemical plant	243.6	122.4	850	2.2	unknown	unknown	unknown	unknown	11,12
MA	FALL RIVER DPW INC. (FALL RIVER MUNICIPAL INCINERATO	Fall River	incinerator	711.75	unknown	unknown	unknown	unknown	unknown	unknown	unknown	2
MA	GENERAL ELECTRIC AIR (GE Aircraft Engines)	Lynn	boilers	383	unknown	1636	unknown	unknown	unknown	unknown	unknown	11,12
MA	GILLETTE MFG USA	Boston	boilers	536.112	unknown	unknown	unknown	unknown	unknown	unknown	unknown	
MA	INTERNATIONAL PAPER CO	Russell	kraft pulp	514.17	unknown	613.04	unknown	250.5	unknown	966.1	47.7	11
MA	KRAFT FOODS	Woburn	boilers	366.8688	87.59	1125.27	unknown	unknown	unknown	unknown	unknown	11
MA	MASSPORT LOGAN AIRPO	Boston	boilers	667.7748	249.7651	unknown	unknown	n/a	n/a	n/a	n/a	12
MA	MCI BRIDGEWATER	Bridgewater	boilers	241.776	120.888	664.884	unknown	n/a	n/a	n/a	n/a	
MA	MIT POWER PLANT	Cambridge	boilers	495.9	unknown	unknown	unknown	unknown	unknown	unknown	unknown	
MA	SCHWEITZER-MAUDIT - GREYLOCK ST. (KIMBERLY-CLARK)	Lee	kraft pulp	368	unknown	1130.8	14.44	67.786	unknown	4.4818	8.9647	
MA	TRIGEN BOSTON ENERGY-KNEELAND STATION	Boston	boilers	525.6	unknown	2102.4	unknown		unknown	unknown	unknown	11
MA	TRIGEN BOSTON ENERGY-SCOTIA STATION	Boston	boilers	829.0464	unknown	unknown	unknown	n/a	n/a	n/a	n/a	
MA	TWIN RIVERS TECHNOLOGIES	Quincy	chemical plant	192	49	623	19.6	unknown	unknown	unknown	0.124	
MA	UMASS Medical Center	Worcester	boilers	518.59	145.57	2183.55	unknown	unknown	unknown	unknown	unknown	

Table MA-2: Potentially BART-Eligible Sources in MA

				Datasiist			P - 2 - 1				962, 1977-	
							ligible units			units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MA	BELLINGHAM CO2 RECOVERY	Bellingham	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	7,12
MA	BOSTON COLLEGE CHEST	Newton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	2,11
MA	Boston Univeristy	Boston	boilers	262.51	38.66	292.71	unknown	301.98	42.21	331.68	unknown	1,10,11,12
MA	DEACONESS WALTHAM HO	Waltham	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
MA	FERNALD CENTER (WALTER E FERNALD STATE SC)	Waltham	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,11
MA	GULF OIL LP CHELSEA	Chelsea	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	70.53	1,2,3
MA	INTERNATIONAL PAPER - MILLERS FALLS	Montague	kraft pulp	unknown	unknown	unknown	unknown	82.4	34.2	250.5	1.2	11,15
MA	JAHN FOUNDRY CORP.	Springfield	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,8
MA	MASS REFUSE TECH INC	North Andover	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
MA	MEDICAL AREA TOTAL ENERGY PLANT	Boston	boilers	unknown	unknown	unknown	unknown	641.2	865.7	unknown	unknown	1
MA	NICHOLS & STONE CO	Gardner	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
MA	NORTHEASTERN UNIVERSITY	Boston	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	8,12
MA	NORTON COMPANY (GRENDALE PLANT)	Worcester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	3,11
MA	POLAROID CORPORATION	New Bedford?	boilers	441.98	unknown	1337.034	unknown	unknown	unknown	unknown	unknown	2
MA	REFUSE ENERGY SYSTEM COMPANY	Saugus	incinerator	588.67	unknown	147.17	15.42	4.62	0.11	0.308	0.6212	3,11,12
MA	SOLUTIA INC. (MONSANTO CO.)	Springfield	boilers	n/a	n/a	n/a	n/a	490.56	unknown	unknown	unknown	1,11,12
MA	Specialty Minerals Inc.	Adams	lime plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
MA	WELLESLY COLLEGE	Wellesly	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	8,12
MA	WILLIAMS COLLEGE	Williamstown	boilers	98	35.8	619.8	0.4	27.3312	1.1081	22.5187	0.8148	8,11
MA	WOLLASTON ALLOYS, INC.	Braintree	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12

Table MA-3: Non-BART-Eligible Sources in MA

								Potential	emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f		igible units			units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MA	Acushnet Company	Acushnet	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
MA		Dartmouth	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MA	AEROVOX INC	New Bedford	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MA	AGRI MARK INC	West Springfield	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	ALLEGHENY RODNEY (TELEDYNE RODNEY METALS)	New Bedford	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	ALLIANCE LEATHER INC. (FREDJOHN DAVISON OF ĆARR LE	Peabody	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
		Milford	boilers	34.3	6.7	98.9	0.1745	n/a	n/a	n/a	n/a	15
		Athol	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	AVERY DENNISON CO (DENNISON MFG CO)	Framingham	boilers	unknown	unknown	unknown	unknown	unknown	82.78	unknown	unknown	12,15
		Boston	boilers	n/a	n/a	n/a	n/a	212			unknown	1,12,13,15
			incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
		Randolph	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
		Halifax	incinerator	unknown	unknown	unknown	unknown		unknown	0.009		
		New Bedford	boilers	n/a	n/a	n/a	n/a	23.41		69.12	0.12	11,12,15
		Belmont	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
		Lee	lime plant	164.4		73.2		50.454		4.7		
		Braintree	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	CL HAUTHAWAY & SONS	Lynn	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
		Worcester	boilers	unknown	unknown	unknown	unknown	10.65	-	30.39		15
		New Bedford	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,15
		Webster	boilers		unknown	1113.073	unknown	unknown	unknown	unknown	unknown	11.12.15
MA	CROCKER TECHNICAL PA (CROCKER TECHNICAL PAPERS)	Fitchburg	kraft pulp	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
		Adams	kraft pulp	1.088				unknown	unknown	unknown	15	11.14
	, ,	Everett	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
		Fall River	boilers	156.2			2.1	unknown	unknown	unknown	unknown	11,15
		Fall River	boilers	13.55				10.11		28.94		11.12.15
MA	DURO TEXTILE PRINTER	Fall River	boilers	32.45	4.65	75.25	0.44	unknown	unknown	unknown	unknown	12,15
		Chicopee	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	ECO/PITTSFIELD INC (EAC OPERATIONS PITTS)	Pittsfield	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
		Agawam	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	ENTERGY NUCLEAR GENE (BOSTON EDISON PILGRÍM NUC	Plymouth	boilers	unknown	unknown	62	unknown	n/a	n/a	n/a	n/a	12,15
		Erving	kraft pulp	102.492	unknown	unknown	52.8	unknown	unknown	unknown	26.4	11,12,15
		Everett	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,15
	EXXON EVERETT TERMIN (EXXON EVERETT MARKETING TE		petrol. storage	0	-			0	0	0	15.245	11,12,14
			kraft pulp	unknown	unknown	unknown	unknown	0.03	0.00021	unknown	0.913	11,14
		Auburn	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
		Fall River	incinerator	unknown	unknown	unknown	unknown	28.394	unknown	3.837	7.283	12,14
		Andover	chemical plant		unknown	297	200	unknown	unknown	unknown	unknown	12,15
MA	GLOBAL MANUFACTURING CO.	Boston	petrol. storage	13.14	У	0.056	unknown	n/a	n/a	n/a	n/a	12,15
		Revere	petrol. storage	0	,				unknown	10.4057		
	GLOBAL REVCO TERMINAL (COASTAL OIL OF NEW ENGLAN		boilers	0		_		4.979		10.412		
1	1-1-1	Acton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16

Table MA-3: Non-BART-Eligible Sources in MA (cont.)

				Potontial	emissions f	rom data o	iaible unite	Potential	emissions f	rom 1960-1	962, 1977-	
State	Company Name	Citv	BART Category	NOx	PM	SO2	VOC	NOx	IPM	SO2	VOC	Notes
		Cambridge	boilers	unknown	unknown	unknown	unknown	75.21	16.65	30.36	2.65	12,15
		Haverhill	boilers	n/a	n/a	n/a	n/a			unknown	unknown	11,13
	HAZEN PAPER COMPANY	Holyoke	boilers	unknown	unknown	unknown	unknown	unknown	unknown	-	unknown	15
	HOLLINGSWORTH & VOSE CO., GROTON	Groton	kraft pulp	unknown	unknown	unknown	unknown	unknown		unknown	unknown	11,12,13
	HOLLINGSWORTH & VOSE COMPANY, WALPOLE	Walpole	kraft pulp	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11.12.14
	IDEAL TAPE COMPANY	Lowell	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16
	IRVING OIL TERMINALS (IRVING/BP OIL - REVERE TERMINAL		petrol. storage	unknown	unknown	unknown	23.59	unknown	unknown	unknown	unknown	11.14
	ITW DEVCON (ITW ADHESIVES)	Danvers	chemical plant	unknown	unknown	unknown	unknown	3.31		-	-	12.15
	/	Newton	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
	KANZAKI SPECIALTY PAPERS	Ware	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,13
MA	LISTA INTERNATIONAL	Holliston	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
	LUCENT TECHNOLOGIES	North Andover	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,13
	Macdermid Graphic AR (Polyfibon Technologies Inc.)	Adams	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
	MADISON CABLE CORP	Worcester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16
MA	MAJILITE MANUFACTURING INC.	Lowell	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
MA	MALDEN MILLS INDUSTR (MALDEN MILLS IND INC)	Lawrence	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MA	MERRIMAC PAPER CO	Lawrence	kraft pulp	0	0	0	12.55	unknown	0.5	unknown	0.01	11,12,14
MA	MILLIPORE CORP	Bedford	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,13
MA		Danvers	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	MOBIL OIL CORP	Sprinfield	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
MA	MUNKSJO PAPER DECO (PWA DÉCOR INC/MUNKSJO DÉCO	Fitchburg	kraft pulp	137	9.3	48	unknown	unknown	unknown	unknown	unknown	11,15
MA	MWRA DEER ISLAND TREATMENT	Winthrop	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MA	MY BREAD BAKING COMPANY	New Bedford	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MA	NATICK PAPERBOARD CORP.	Natick	boilers	unknown	unknown	unknown	unknown	123.25	unknown	unknown	unknown	12,13,15
MA	NEWARK ATLANTIC PAPE (NEWARK ATLANTIC PAPERBOAR	Lawrence	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,13
MA	OGDEN MARTIN OF HAVE (OGDEN MARTIN - MASS BURN)	Haverhill	incinerator	unknown	unknown	unknown	unknown	17.6	1.2	1.2	1.4	12,14
MA	PIANTEDOSI BAKING CO.	Malden	boilers	2	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	PLAINVILLE LANDFILL (PLAINVILLE SANITARY)	Plainville	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	PLYMOUTH RUBBER CO.	Canton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
	POLAROID CORPORATION	Waltham	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
	PROMA TECHNOLOGIES	Franklin	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	REX FINISHING INC.	Peabody	boilers	8.287	2.9	62.153	0.083	n/a	n/a	n/a	n/a	15
MA	REXAM DSI	West Springfield	kraft pulp	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,13
	SAMUEL BENT LLC (S. BENT & BROS./FURNITURE)	Gardner	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
	SCHWEITZER-MAUDIT - MILL ST. (KIMBERLY-CLARK CORP.)	Lee	kraft pulp	49.8			0.92			unknown	0.037	16
	SEAMAN PAPER COMPANY	Templeton	kraft pulp	unknown	unknown	unknown	unknown	47	12.6	134	0.24	16
	SEMASS PARTNERSHIP (SEAMASS RESOURCE RECOVERY		incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,13
	SHELL OIL PRODUCTS CO	Fall River	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,13
	SMITH COLLEGE	Northampton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
MA	SOUTHBRIDGE POWER & T	Southbridge	boilers	unknown	unknown	unknown	unknown	216.6	2.6	0.26	3.1	15

Table MA-3: Non-BART-Eligible Sources in MA (cont.)

				Potential	emissions f	rom date-el	iaible units	11	emissions fi	rom 1960-1 units	962, 1977-	
State	Company Name	City	BART Category		PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MA	SPALDING SPORTS WORLD	Chicopee	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,15
MA	STARENSIER INC	Newburyport	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	STEVENS SERVICE CORP. (STEVENS REALTY CO)	Fall River	boilers	307	40.97	412.5	unknown	n/a	n/a	n/a	n/a	15
MA	STONEHAM RESEARCH CE (BOSTON REGIONAL MEDICAL C	Stoneham	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,15
MA	SWAN FINISHING CO.	Fall River	boilers	unknown	25.65	unknown	unknown	n/a	n/a	n/a	n/a	12,15
MA	Texas Instruments Inc.	Attleboro	boilers	98.55	46.04	0.4	1373.98	unknown	unknown	unknown	unknown	11,12,15
MA	TEXTRON SYSTEM CORP (TEXTRON DEFENSE SYSTEMS)	Wilmington	boilers	72.27	15.82	217.48	1.14	unknown	unknown	unknown	unknown	11,12,15
MA	THE MEAD CORP LAUREL MILL	Lee	kraft pulp	unknown	unknown	unknown	unknown	0.00001	0.000002	0.000002	0.002	11,14
MA	THE MEAD CORP WILLOW MILL	Lee	kraft pulp	37.98	10.1	217.42	0.19	0.008	0.0008	0.003	0.002	11,15
MA	TITLEIST & FOOT JOY	Brockton	boilers	n/a	n/a	n/a	n/a	24.528	3.27	unknown	0.4088	11,13,15
MA	TOSCO EAST BOSTON TE (MOBILE CORP. EAST BOSTON TI	Boston	petrol. storage	unknown	26.4	75.8	unknown	unknown	unknown	unknown	unknown	11,12,15
MA	UMASS AMHERST CAMPUS	Amhearst	boilers	39.42	39.42	unknown	unknown	unknown	unknown	unknown	unknown	11,12,15
MA	UMASS DARTMOUTH	Dartmouth	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	US HANSCOM 66TH SPTG (HANSCOM AFB)	Bedford	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,15
MA	VENTURE TAPE	Rockland	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
MA	VERYFINE PRODUCTS INC.	Littleton	boilers	unknown	unknown	unknown	unknown	58.46	12.18	158.69	0	12,15
MA	WESTOVER AIR RESERVE BASE	Chicopee	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
	WHEELABRATOR MILLBURY INC.	Millbury	incinerator	unknown	unknown	unknown	unknown	2.06	0.727	0.137	0.165	12,13
MA	WYMAN GORDON COMPANY	Grafton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15

Table MD-1: BART-Eligible Sources in MD

											962, 1977-	
				Potential	emissions f	rom date-el	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MD	CARR-LOWREY GLASS	Baltimore	glass fiber	302.9975	0	1.4875	0.2975	n/a	n/a	n/a	n/a	
MD	EASTALCO ALUMINUM	Frederick	aluminum ore	67.932	0	3612.3	14.6	n/a	n/a	n/a	n/a	12
MD	INDEPENDENT CEMENT/ST. LAWERENCE	Hagerstown	portland cement	3256.96	211.739	121.5455	13.746	n/a	n/a	n/a	n/a	
MD	LEHIGH PORTLAND CEMENT	Union Bridge	portland cement	1053.951	144.198	459.6915	10.266	0	22.9585	0	0	11,12
MD	LEHIGH PORTLAND CEMENT	Woodsboro	taconite ore	152.4475	83.678	1700.5	1.1395	n/a	n/a	n/a	n/a	
MD	MILLENIUM INORGANIC CHEMICALS	Baltimore	coal cleaning	320.235	0	0	1.6785	unknown	unknown	unknown	unknown	11,12
MD	TRIGEN - LEADENHALL STREET	Baltimore	boilers	554.6	58.8	1249.6	9.2	n/a	n/a	n/a	n/a	
MD	WESTVACO FINE PAPERS	Luke	kraft pulp	2828.96	445.383	10352	250.8335	unknown	unknown	unknown	unknown	11,12

Table MD-2: Potentially BART-Eligible Sources in MD

								Potential e	emissions fr	om 1960-1	962, 1977-	
				Potential emissions from date-eligible units				1979	units			
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MD	METTIKI COAL CORPORATION	Oakland	coal cleaning	n/a	n/a	n/a	n/a	64.676	277.648	111.444	0.148	2,12

Table MD-3: Non-BART-Eligible Sources in MD

				Potential	amissions f	rom date-el	iaible unite			rom 1960-1 units	962, 1977-	
State	Company Name	City	BART Category			SO2			PM	SO2	VOC	Notes
MD	AES WARRIOR RUN	Cumberland	boilers		n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
MD	ALCORE - QUARRY DRIVE	Edgewood	zinc smelter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	AMERADA HESS TERMINAL	Baltimore	petrol. storage	4.745	1.095	13.505	0	3.65	0.9125	10.4025	0	11,15
MD	AMOCO TERMINAL - CURTIS BAY	Curtis Bay	petrol. storage	unknown	unknown	unknown	39.2375	n/a	n/a	n/a	n/a	14
MD	BACK RIVER WASTE WATER TRTMNT PLANT	Baltimore	incinerator	1.095	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,15
MD	BALTIMORE RESCO	Baltimore	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	BETHLEHEM STEEL	Sparrow's Point	zinc smelter	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,13
MD	BLUE CIRCLE CEMENT	Sparrow's Point	portland cement	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	BROWN STATION ROAD LANDFILL	Upper Marlboro	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	BRUNING PAINT	Baltimore	chemical plant	0.36	1.0314	1.26	0	0	0	0	25.704	11,12,14
MD	CHEMETALS	Curtis Bay	acid, sulfur, charc	1.0885	0.6505	0	0	12	33	n/a	n/a	12,14
MD	CITGO-STAR - TERMINAL	Baltimore	petrol. storage	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	CROWN BEVERAGE PACKAGING	Essex	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
MD	CSG (CLEANING SOLUTIONS GROUP)	Havre de Grace	chemical plant	1.08	0.18	0	30.2	n/a	n/a	n/a	n/a	12,14
MD	CYTEC FIBERITE	Havre de Grace	chemical plant	0.4545	0	0	115.99	n/a	n/a	n/a	n/a	12,14
MD	D C CHILDREN'S CENTER	Maryland City	boilers	82.3	6.57	209.3	0.5475	n/a	n/a	n/a	n/a	15
MD	DARLING INTERNATIONAL	Linkwood	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	ESSROC CEMENT	Buckeystown	portland cement	0	7.8475	0	0	unknown	unknown	unknown	unknown	11,14
MD	FMC CORP. ORGANIC CHEMICALS DIVISION	Baltimore	chemical plant	39.81	4.1	5.357	7.903	27.261	2.8985	5.115	0.5115	11,12,14
MD	FORMICA CORPORATION	Odenton	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13

Table MD-3: Non-BART-Eligible Sources in MD (cont.)

				Potential	omissions f	rom date-el	iaible unite	Potential		rom 1960-1) units	962, 1977-	
State	Company Name	Citv	BART Category				VOC	NOx	PM	SO2	VOC	Notes
	FORT DETRICK	Frederick	boilers	177.9	21.9	431	2.19	unknown	unknown	unknown	unknown	11,12,15
		Williamsport	chemical plant	7.845				n/a	n/a	n/a	n/a	12.14
	GENERAL MOTORS TRUCK & BUS GROUP	Baltimore	boilers				n/a	unknown	unknown	unknown	unknown	11,12,13
	INTERNATIONAL PAPER - ODENTON	Odenton	kraft pulp				n/a	n/a	n/a	n/a	n/a	12,13
MD		Baltimore	boilers	220.6425			4.38	n/a	n/a	n/a	n/a	12,14
MD	LENMAR INC.	Baltimore	chemical plant	0				0.164	0	0.328	0	11,14
MD	MACK TRUCKS	Hagerstown	boilers	n/a	n/a	n/a	n/a	219	2.4325			11,13
	MIDDLE RIVER AIRCRAFT SYSTEMS	Middle River	secondary metal	0	0	0	4.38	unknown	unknown	unknown	unknown	11,12,14
MD	MILLERSVILLE LANDFILL	Severn	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	MNCPPC - SANDY HILL LANDFILL	Bowie	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	MONTGOMERY COUNTY - OAKS LANDFILL	Laytonsville	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	MONTGOMERY COUNTY RRF	Dickerson	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	MOTIVA TERMINAL	Baltimore	petrol. storage	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
MD	NATIONAL GYPSUM	Baltimore	glass fiber	0	3.55	0	0	unknown	unknown	unknown	unknown	11,12,14
MD	NATIONAL INSTITUTE OF HEALTH	Bethesda	boilers	45.26	0	0.1825	2.555	unknown	unknown	unknown	unknown	11,12,15
MD	NATIONAL SECURITY AGENCY	Fort Meade	boilers	20.075	0.9125	0.365	0.9125	unknown	unknown	unknown	unknown	11,12,15
	NAVAL SURFACE WARFARE CNTR-INDIAN HD	Indian Head	boilers	1.65	0	3.45	0.075	1485	0	3.18	0.7435	11,12,14
MD	OGDEN POWER PACIFIC	Rockville	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	PEMCO CORPORATION	Baltimore	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
MD	PERDUE FARMS	Salisbury	boilers	47.6325	18.7975	272.1075	0.1825	n/a	n/a	n/a	n/a	12,15
MD	PETROLEUM FUEL & TERMINAL COMPANY	Baltimore	petrol. storage	0	0	0.1825	0	unknown	unknown	unknown	unknown	11,12,15
MD	PHOENIX SERVICES INCORPORATED	Baltimore	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	PLYMOUTH TUBE COMPANY	Salisbury	zinc smelter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD		Baltimore	boilers	5.2925	0.365	9.49	0.5475	n/a	n/a	n/a	n/a	12,15
MD	REDLAND BRICK	Williamsport	glass fiber	5.475	2.6	0.13	2.2925	n/a	n/a	n/a	n/a	12,14
MD	REICHS FORD LANDFILL	Frederick	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	S.T. SERVICES TERMINAL	Piney Point	boilers	9.49	1.6425	43.9825	0	unknown	unknown	unknown	unknown	11,12,14
MD	SEAGRAM AMERICAS	Relay	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	SHERWIN-WILLIAMS COMPANY	Baltimore	chemical plant	0	0	0	118.356	7	unknown	unknown	unknown	11,12,14
MD	SIMKINS INDUSTRIES	Ilchester	boilers	76.99	12.006	31.234	2.716	unknown	unknown	unknown	unknown	11,15
MD	ST SERVICES	Salisbury	petrol. storage	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
MD	SWEETHEART HOLDINGS	Owings Mills	boilers	n/a	n/a	n/a	n/a	7.5525	0	0	0.3975	11,12,13
MD	TOSCO/BAYWAY - BALTIMORE TERMINAL	Baltimore	petrol. storage	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
MD	TRIGEN - NORTH CENTRAL AVENUE	Baltimore	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
MD	U.S. COAST GUARD YARD - CURTIS BAY	Curtis Bay	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	11,12,13
MD	UNITED STATES GYPSUM COMPANY	Baltimore	glass fiber	104.5095	0	0.5415	1.9855	n/a	n/a	n/a	n/a	12,14
MD	WASTE ENERGY PARTNERS	Joppa	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13

Table ME-1: BART-Eligible Sources in ME

								Potential e	emissions fi	rom 1960-1	962, 1977-	
				Potential e	emissions f	rom date-el	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
ME	Domtar - Pulp & Paper	Baileyville	kraft pulp	995	481	711	130	n/a	n/a	n/a	n/a	12
ME	Dragon Products	Thomaston	portland cement	2249	165.38	451	31.5	n/a	n/a	n/a	n/a	12
ME	Fort James - OldTown	Old Town	kraft pulp	696.29	225.58	643.87	97.21	226.47	334.66	41.42	22.49	11,12
ME	International Paper - Bucksport	Bucksport	boilers	1487.667	270.356	2883.792	18.0237	n/a	n/a	n/a	n/a	11,12
ME	IP Androscoggin	Jay	kraft pulp	4299.89	2140.6	14080.5	931.67	94.03	4.5	120.83	317.75	12
ME	Katadhin - Mill W.	Millinocket	boilers	1458	540	8482	23	unknown	unknown	unknown	347.8945	11,12
ME	Lincoln Pulp and Paper	Lincoln	kraft pulp	1144.9	unknown	unknown	unknown	n/a	n/a	n/a	n/a	11
ME	Madison Paper	Madison	kraft pulp	234.5	104.2	1094.6	573.3	n/a	n/a	n/a	n/a	12
ME	Mead WestVaco	Rumford	kraft pulp	525.6	105.1	341.64	unknown	unknown	unknown	unknown	unknown	11,12
		Skowhegan	kraft pulp	325.61	222.3288		unknown			unknown	13.14	11,12
ME	SD Warren Co.	Westbrook	kraft pulp	1563.66	1217.64	3368.22	unknown	unknown	unknown	unknown	unknown	12

Table ME-2: Potentially BART-Eligible Sources in ME

								Potential	emissions f	from 1960-	1962, 1977-	
				Potential	emissions f	rom date-el	igible units		1979	9 units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
ME	Gulf Oil - S Portland	South Portland	petrol. storage	unknown	unknown	32.85	unknown	0	0)	0 10.3	2,11,12

Table ME-3: Non-BART-Eligible Sources in ME

									emissions fi	rom 1960-1	962, 1977-	
				Potential e	emissions f	rom date-el	igible units		1979	units		1
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
ME	Bath Iron Works - Bath	Bath	boilers	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	12,15
ME	Bath Iron Works - Harding	Brunswick	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
ME	Bath Iron Works - Portland	Portland	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18
ME	BP Exploration and Oil	South Portland	petrol. storage	0	0	0	1.3285	0	0	0	5.1775	11,12,14
ME	Dexter Shoe	Dexter	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,14
ME	Dingly Press	Lisbon	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
ME	Exxon Mobil - Bangor	Bangor	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
ME	Exxon Mobil - Portland	Portland	petrol. storage	n/a	n/a	n/a	n/a	0	0	0	12.918	11,12,14
ME	FMC Biopolymer	Rockland	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
ME	Gardiner Paperboard	Gardiner	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18
ME	Irving Forest Products	Dixfield	boilers	133.152	166.002	219.438	8.1468	n/a	n/a	n/a	n/a	15
ME	Irving Tanning Co.	Hartland	boilers	142.6	56.47	585.44	2.9	n/a	n/a	n/a	n/a	11,15
ME	J M Huber Corp.	Easton	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
ME	Katadhin - Mill E.	East Millinocket	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1,2,11,12
ME	Louisiana Pacific Corp.	New Limerick	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
ME	Louisiana Pacific - OSB	Baileyville	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	9,12

Table ME-3: Non-BART-Eligible Sources in ME (cont.)

				Potential	emissions f	rom date-el	igible units			rom 1960-1 units	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
ME	Maine Energy Recovery Co.	Biddeford	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
ME	Masonite Corp.	Lisbon Falls	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
ME	McCain Foods	Easton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,15
ME	Mid Maine Waste Action Corporation	Auburn	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	Morin Brick Company	Auburn	glass fiber	n/a	n/a	n/a	n/a	13.14	13.14	17.52	9.934	12,14
	Motiva - S Portland	South Portland	petrol. storage	0	0	0	37.34	0	0	0	15.43	11,12,14
ME	Naval Computer and Telecomm	Cutler	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,15
ME		Bangor	boilers	n/a	n/a	n/a	n/a	4.73	1.26	11.25	0.03	15
	Penobscot Energy Recovery Co.	Orrington	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	Philips Elmet	Lewiston	boilers	unknown			unknown	unknown	unknown	unknown	unknown	12,15
	Portland Pipe Line Corp.	South Portland	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
ME	Portsmouth Naval Shipyard	Kittery	boilers	n/a	n/a	n/a	n/a	231.67	159.4	unknown	unknown	11,15
ME	Prime Tanning Co.	Berwick	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
ME	Regional Waste Systems	Portland	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	Sabre Corp.	Raymond	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
ME	Spencer Press of Maine	Wells	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	Spinnaker	Westbrook	kraft pulp	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18
	Sprague Energy	South Portland	petrol. storage	unknown						unknown	unknown	14
ME	University of Maine at Orono	Orono	boilers	64.386	3.24	0	3.24	177.39	64.386	677.148	32.412	11,12,15
ME	Wasau-Mosinee Paper Co Otis	Jay	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,12,13

Table NH-1: BART-Eligible Sources in NH

								Potential	emissions f	from 1960-1	962, 1977-	
				Potential	emissions fi	rom date-el	igible units		1979	9 units		i I
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NH	Annheuser-Busch	Merrimack	boilers	576	105.6	1339.8	37.1	n/a	n/a	n/a	n/a	
NH	Hampshire Chemical Co.	Nashua	lime, chemical	121.9	41.2	695.4	0.7	53	27.34	1 0	20.857	12

Table NH-2: Potentially BART-Eligible Sources in NH

								Potential (emissions	from 1960-1	962, 1977-	
				Potential	emissions f	rom date-el	igible units		197	9 units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NH	Wassau Papers of New Hampshire	Groveton	boilers	351.2	144.4	2127.8	4.6	136.6	53.3	786.4	0.6	1,11,12

Table NH-3: Non-BART-Eligible Sources in NH

											962, 1977-	
							ligible units			units		i I
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NH	American Tissue Mills	Winchester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NH	Androscoggin Hospital	Berlin	boilers	6	0.6	17	0.06	n/a	n/a	n/a	n/a	12,15
NH	APC Paper Company	Claremont	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NH	Bailey Manufacturing Corp.	Seabrook	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
NH	Batesville Casket Company	Nashua	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NH	Concord Litho Co.	Concord	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NH	Concord Steam Corporation	Concord	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
NH	Dartmouth College	Hanover	boilers	126.7	46.25	652.73	2.07	unknown	unknown	unknown	unknown	11,12,15
NH	Dartmouth Hitchcock Medical Center	Lebanon	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NH	Elektrisola Inc.	Boscawen	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NH	Foss Manufacturing Company, Inc.	Hampton	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
NH	G-P Gypsum Corporation	Newington	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NH	Kalwall Corporation	Manchester?	glass fiber	0	0	0	17.47	0	0	0	31.885	12,14
NH	L. W. Packard and Company	Ashland	boilers	46.6	18.3	265.9	0.24	n/a	n/a	n/a	n/a	12,15
NH	Lydall, Inc. Technical Papers Division	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NH	Monadnock Paper Mills	Bennington	boilers	n/a	n/a	n/a	n/a	120.4	37.2	515.8	0.6	11,13
NH	Nashua Corporation	Nashua	boilers	159	62.4	907.8	0.8	n/a	n/a	n/a	n/a	12,15
NH	Papertech Corporation	Hopkinton	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18
NH	Philips Exeter Academy	Exeter	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NH	Prime Tanning Company, Inc.	Rochester	boilers	n/a	n/a	n/a		n/a	n/a	n/a	n/a	12,13
NH	Sprague Energy, Avery Lane (Fuel Storage Corp)	Portsmouth	petrol. storage	0	0	0	17.08	n/a	n/a	n/a	n/a	12,14
NH	Sturm, Ruger & Company, Inc.	Newport	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NH	TANX Incorporated	Claremont	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NH	Tape-O Corporation	Rochester	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NH	Textron Automotive Interiors	Dover?	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NH	Tillotson Healthcare Corporation, Dixville Notch	Dixville Notch	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15

Table NH-3: Non-BART-Eligible Sources in NH (cont.)

				Potential	emissions f	rom date-el				rom 1960-1 units	962, 1977-	
State	Company Name	City	BART Category		PM	SO2	·				VOC	Notes
NH	Tillotson Healthcare Corporation, Rochester	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NH	Troy Mills	Troy	boilers	21.23	6.51	88.86	unknown	n/a	n/a	n/a	n/a	12,14
NH	University of New Hampshire	Durham	boilers	128.86	31.59	450.4	1.4586	n/a	n/a	n/a	n/a	11,12,15
NH	Waste Management of NH (Turnkey Recycling)	Rochester	boilers	n/a	n/a	n/a	n/a	0	0	0	2.17	12,14
NH	Wheelabrator Concord	Concord	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13

Table NJ-1: BART-Eligible Sources in NJ

								Potential	emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f	rom date-el	igible units		1979	units		1
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NJ	ANCHOR GLASS CONTAINER CORP 65499	Salem	glass fiber	890.4	182.11	483.904	28.46	n/a	n/a	n/a	n/a	12
NJ	ANHEUSER-BUSCH INC 07551	Newark	chemical plant	756.45	50	551.8	59.86	unknown	unknown	unknown	unknown	11,12
NJ	Bell Laboraratories, Div. Of Lucent Technologiies (41682)	Murray Hill	boilers	397.8	54.6	430.8	15	unknown	unknown	unknown	unknown	12
NJ	CHEVRON PRODUCTS CO 18058	Perth Amboy	petrol. refinery	635.4	59.48	138.19	862.13	unknown	unknown	unknown	unknown	11,12
NJ	CO-STEEL RARITAN 18045	Perth Amboy	iron, coke oven	348.92	5.39	0.67	1.84	94.56	71.45	7.84	23.5	12
NJ	Co-Steel Sayerville (18052)	Sayerville	iron, coke oven	337.5	85.4	142.9	132.9	unknown	unknown	unknown	unknown	12
NJ	KIMBLE GLASS INC 75503	Vineland	glass fiber	722	38.48	14.9	2.73	unknown	unknown	unknown	unknown	12
NJ	REVERE IND LLC EKCO PRODUTS DIV 55796	Clayton	zinc smelter	39.208	4.71	0	261.45	unknown	unknown	unknown	unknown	12
NJ	VALERO REFINING CO OF NJ 55829	Paulsboro	petrol. refinery	133	32.7	475	8.5	33425	336.2	146096	9357.4	1,2,11,12

Table NJ-2: Potentially BART-Eligible Sources in NJ

										rom 1960-1	962, 1977-	
					emissions f					units	1	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NJ	AFG IND INC. 45982	Cinnaminson	glass fiber	n/a	n/a	n/a	n/a	1152.2	29.467	184.88	12.06	1
NJ	AMERADA HESS CORP PORT READING 17996	Woodbridge	petrol. refinery	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NJ	BAYWAY REFINING CO 41805	Linden	petrol. refinery	unknown	unknown	unknown	unknown	4235.9	820.7	7382.7	4922.5	1,2,12
NJ	CHAMBERS WORKS 65491	Deepwater	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NJ	COASTAL EAGLE POINT OIL COMPANY 55781	Westville	petrol. refinery	0	0	0	5.9	319.5	27.16	115.1	373.52	1,2,11,12
NJ	COLORITE SPECIALTY RESINS 45940	Burlington	chemical plant	208.48	59.516	118.26	23.39	60.07	130.518	32.375	287.1585	1,2,12
NJ	CURTIS SPECIALTY PAPER 80351	Milford	kraft pulp	209.94	11.57	164.17	66.34		16.55	0	518.4	1,2,12
NJ	FIBERMARK WARREN GLEN 80354	Bloomsbury	kraft pulp	unknown	unknown	unknown	unknown	360.47	55.712	731.77	53.05	1,12
NJ	FORD MOTOR CO EDISON ASSEMBLY PLANT 18069	Edison	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NJ	GATX TERMINALS CORP CARTERET FACILITY 18010	Carteret	petrol. storage	unknown	unknown	unknown	unknown	39.41	21.33	28.62	25855.63	1,2,12
NJ	GENERAL CHEMICAL CORP 07369	Newark	acid, sulfur, charc	0	0.838	0.004	0	0.802	13.9	2279.221	0.019	1,2,11,12
NJ	GM LINDEN ASSEMBLY DIVISION OF GENERAL MOTORS 413	Linden	chemical plant	0	0	0	0	239.39	29.6	202.5	505.15	1,2,12
NJ	GREEN TREE CHEMICAL TECHNOLOGIES INC 18185	Parlin	chemical plant	unknown	unknown	unknown	unknown	276.62	11.28	0.87	18.49	1,2,12
NJ	Griffin Pipe Products (45954)	Florence	iron and steel	unknown	unknown	unknown	unknown	112.358	75.55	24.388	731.15	1,12
NJ	HOFFMANN-LA ROCHE 07167	Nutley	chemical plant	2.5	0.088	0.009	2.777	652.9	63.948	144.711	172.783	1,2,12
NJ	IMTT BAYONNE 12194	Bayonne	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	2,11,12
NJ	Infineum USA LP- Bayway Chemical Plant (41767)	Linden	chemical plant	0	0.2	0	23.243	unknown	unknown	unknown	unknown	1,2,11,12
NJ	NOVARTIS PHARMACEUTICALS SUMMIT 41782	Summit	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	4
NJ	REPAUNO PRODUCTS LLC 55800	Gibbstown	acid, sulfur, charc	unknown	unknown	unknown	unknown	928.03	89.81	7.09	1.06	1,2
NJ	SAINT-GOBAIN CONTAINERS 18070	Carteret	glass fiber	unknown	unknown	unknown	unknown	411.92	69.029	243.601	17.693	1,2,12
NJ	SHELL OIL PRODUCTS CO SEWAREN PLANT 18051	Sewaren	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,11,12
NJ	TEKNI PLEX INC 80361	Raritan	chemical plant	unknown	unknown	unknown	unknown	46.35	1.836	8.74	326.8334	1,2,12
NJ	TRANSCO COMPRESSOR STATION 35742	Branchburg Twp.	petrol. storage	197.96	1.76	0	94.89	199.66	1.76	0	94.8	1,12
NJ	UNIVERSITY OF MEDICINE AND DENTISTRY 07726	Newark	boilers	unknown	unknown	unknown	unknown	448.54	15.3	36.6	36.8	1,2,11,12
NJ	US GYPSUM COMPANY 41642	Clark	kraft pulp	0	4	0	23.773	240	151.4	250	166.5	1,12
NJ	WHEATON INC 75505	Millville	glass fiber	unknown	unknown	unknown	unknown	734.63	269.761	536.66	25.678	1,2,11,12

Table NJ-3: Non-BART-Eligible Sources in NJ

				Potontial	emissions f	rom dato o	igible unite	11	emissions f	rom 1960-1	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
		Paulsboro	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	AKZO NOBEL COATINGS, INC (35878)	Somerset	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	AKZO NOBEL POLYMER CHEMICALS 18067	Edison	acid, sulfur, charc		unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	ALPHA METALS INC. 12222	Jersey City	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
	ALUMINUM SHAPES LLC. 51609	Delair	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	AMERADA HESS BAYONNE TERMINAL 12199	Bavonne	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	AMERADA HESS FIRST RESERVE TERMINAL 18054	Perth Ambov	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	AMERADA HESS NEWARK DELANCY ST TERMINAL 07735	Newark	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	AMERADA HESS PENNSAUKEN TERMINAL 51606	Pennsauken	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	AMERICAN BILTRITE INC 46046	Moorestown	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13,14
NJ	AMERICAN REF FUEL CO. OF ESSEX COUNTY 07736	Newark	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13,14
NJ	AMERICAN STANDARD INC 61059	Trenton	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	ASAHI GLASS FLUOROPOLYMERS USA INC 12289	Bayonne	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	ASTARIS 17766	Carteret	acid, sulfur, charc	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	ATLANTIC COUNTY UTILITIES AUTHORITY LA 70506	Egg Harbor Town	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	ATLANTIC COUNTY UTILITIES AUTHORITY P 70508	Atlantic City	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	ATLANTIC STATES CAST IRON PIPE CO 85441	Phillipsburg	iron, coke oven	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	AUSIMONT USA INC 55798	Thorofare	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	BASF CORP SOUTH BRUNSWICK 17818	South Brunswick	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12, 14
NJ	BP PRODUCTS NORTH AMERICA 18053	Carteret	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	BRIDGEPORT DISPOSAL LLC 55780	Bridgeport	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	18
NJ	BRISTOL MYERS SQUIBB CO NEW BRUNSWICK 17739	New Brunswick	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	BRISTOL MYERS SQUIBB CO-PRINCETON 61053	Princeton	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX 4	Mansfield	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NJ	BUTLER PRINTING & LAMINATING INC 26236	Butler	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	CAMDEN COUNTY ENERGY RECOVERY ASSOCIATION 5161	Camden	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13,14
	Campbell Soup Company 51595	Camden	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	CAPE MAY COUNTY MUA SANITARY LANDFILL 73258	Woodbine	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ		Vineland	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	Citgo Asphalt Refining Company (55831)	Paulsboro	petrol. refinery	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	CITGO PETROLEUM CORP PETTY'S ISLAND 51610	Pennsauken	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	Citgo Petroleum Corp. Linden Terminal 41803	Linden	petrol. storage	unknown	unknown	unknown	unknown	0	0	0	195.27	12,14
NJ	Coastal Oil New York (12195)	Westville	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	COGNIS CORP 12201	Hoboken	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	Colonial Pipeline Co. Linden Junction (18046)	Woodbridge	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	Colonial Pipeline Company - Pennsauken Junction (45955)	Mount Laurel	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	COLONIAL PIPELINE COMPANY WOODBURY JUNCTION (55		petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
	CONGOLEUM CORPORATION E STATE ST 61056		chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	CONGOLEUM CORPORATION SLOAN AVE 61055	Trenton	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	CONTINENTAL GYPSUM CO 07906	Port Newark	glass fiber	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	Cumberland Country Solid Waste (75510)	Millville	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14

Table NJ-3: Non-BART-Eligible Sources in NJ (cont.)

								Potential	emissions f		962, 1977-	
					emissions f					units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NJ	Exxon Mobile Oil Corp Paulsboro Fac Complex (55828)	Paulsboro	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	Exxon Mobile Research & Engineering Co. (55758)	Paulsboro	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	Exxon Mobile Research and Engineering (80368)	Annandale	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NJ	EXXONMOBIL OIL CORP LINDEN TERMINAL 41738	Linden	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	EXXONMOBIL OIL CORP TRENTON TERMINAL 61016	Trenton	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	Facile Holdings, Inc. (31564)	Paterson	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	FERRO CORP BRIDGEPORT 55707	Bridgeport	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	FERRO CORP S PLAINFIELD 18060	South Plainfield	zinc smelter	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	FIBERMARK HUGHESVILLE 80355	Milford	kraft pulp	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	G P GYPSUM CORP 51611	Camden	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	GEO Specialty Chemicals, Inc. (55727)	Gibbstown	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	Getty Terminals Corp. (07725)	Newark	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	GLOUCESTER CNTY SOLID WASTE COMPLEX 55923	Swedesboro	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	Gulf Oil LTD Partnership Linden terminal (41801)	Linden	petrol. storage	n/a	n/a	n/a	n/a	unknown	unknown	unknown	unknown	1,12,13,14
NJ	Gulf Oil LTD Partnership Woodbury Terminal (55824)	Thorofare	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	HATCO CORP 18050	Fords	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	HERCULES INC 17986	Parlin	chemical plant									9
NJ	HOEGANAES CORP 45904	Riverton	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	HOMASOTE CO 60976	West Trenton	boilers	123.775	27.66	369.35	1.905	n/a	n/a	n/a	n/a	11,15
NJ	INTERBAKE FOODS INC 41802	Elizabeth	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	IVY HILL PARK APARTMENTS 07976	Newark	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	JOHNS MANVILLE INTERNATIONAL CORP 51613	Winslow Townshi	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	JOHNSON & JOHNSON CONSUMER 18059	North Brunswick	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	JOHNSON & JOHNSON NETWORKING 35839	Raritan	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	JOHNSON MATTHEY INC W. DEPTFORD 55788	West Deptford	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	JOINT MEETING OF ESSEX & UNION 41813	Elizabeth	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	KRAFT FOODS NORTH AMERICA 26233	East Hanover Tw	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	Lehigh Press Lithographers (51556)	Pennsauken	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	LEONE INDUSTRIES INC 75506	Bridgeton	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	M & M MARS 85443	Hackettstown	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	MAC SANITARY LANDFILL 55833	Deptford	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	MALLINCKRODT BAKER INC 85442	Phillipsburg	acid, sulfur, charc	0	0	4.3	0	unknown	unknown	unknown	unknown	11,12,14
NJ	MANNINGTON MILLS INC 65493	Salem	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	MIDDLE MAR TEE LANDFILL WASTE 73235	Cape May	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	MIDDLESEX COUNTY LANDFILL 18019	East Brunswick	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	MILLVILLE CITY MUNICIPAL LANDFILL 75524	Millville	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	MINNESOTA MINING AND MFG 35884	Belle Meade	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	MM HACKENSACK ENERGY BALEFILL 02736	North Arlington	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	MM HACKENSACK ENERGY KINGSLAND 02737	North Arlington	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	MONMOUTH CONTRY RECLAMATION 21351	Tinton Falls	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	MONMOUTH ENERGY INC 21256	Tinton Falls	petrol. refinery	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	MOTIVA ENTERPRISES LLC 07734	Newark	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table NJ-3: Non-BART-Eligible Sources in NJ (cont.)

				Potential	emissions f	rom date-e	liaible units	Potential	emissions f	rom 1960-1	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NJ	OCCIDNETAL CHEMICAL CORPORATION 11975	Jersey City	acid, sulfur, charc	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	OCEAN CNTY LANDFILL CORP 78931	Lakehurst	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	OCEAN CNTY UTILITIES AUTH CWPCF 78909	Bayville	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	OCEAN COUNTY UTILITIES AUTH NORTH 78910	Bricktown	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	OWENS CORNING KEARNY PLANT 12197	Kearny	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	PARKLANDS RECYLING & DISPOSAL FACILITY 46099	Bordentown	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	PARSIPPANY TROY HILLS TOWNSHIP WASTE 26209	Parsippany	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	PASSAIC VALLEY SEWERAGE 07349		boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	PENNSAUKEN SANITARY LANDFILL 51612	Pennsauken	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	PERMACEL 17719	North Brunswick	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	PHARMACIA & UPJOHN-PEAPACK CAMPUS 35897	Peapack-Gladstov	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	PIONEER INDUSTRIES INC 02793	Hackensack	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	PIONEER INDUSTRIES-CARLSTADT 02494	Carlstadt	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,14
NJ	POLYONE CORP 65494	Pedricktown	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	PQ CORPORATION 17767	Avenel	acid, sulfur, charc	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	PRAXAIR INC 65482	Carneys Point	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	PRIME ENERGY LTD PARTNERSHIP 02624	Elmwood Park	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	REICHOLD CHEMICALS INC 07671	Newark	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12,14
NJ	ROCHE VITAMINS INC 85452	White Twp.	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	SAFETY KLEEN CORP LINDEN RECYCLING CENTER 41811	Linden	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	SCHWEITZER MAUDIT INTERNATIONAL INC 17880	Spotswood	kraft pulp	113.13	11.1132	10.27	33.69	C	0	0	0	11,12,14
NJ	SETON CO 07730	Newark	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	SHERING CORP 41708	Union	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	SHERING CORP 41806	Kenilworth	chemical plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	SIDMARK LABORATORIES INC 26234	East Hanover	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	SIEGFRIED (USA) INC 65485	Pennsville	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY 3585	Bridgewater	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	STONY BROOK REGIONAL SEWARAGE AUTHORITY 61036	Princeton	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	STRATUS PETROLEUM CORP 07719	Newark	petrol. storage	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,12,13
NJ	SUMMIT PLAZA TOTAL ENERGY PLANT 12070	Jersey City	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
		Summit	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
		Newark	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
		Linden	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	9
		Piscataway	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
		Newark	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ		Birmingham	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ		Sussex	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13,14
NJ	TRANE COMPANY 61044	Trenton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	TRUMP TAJ MAHAL CASINO RESORT 70502	Atlantic City	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	TRUSTEES OF PRINCETON UNIVERSITY 61014	Princeton	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ		Union	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,14
NJ	UNION CARBIDE CORPORATION 17885	Piscataway	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14

Table NJ-3: Non-BART-Eligible Sources in NJ (cont.)

				Potential	emissions f	rom date-el	igible units			rom 1960-1) units	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NJ	UNION CNTY RESOURCE RECOVERY FACILITY 41814	Rahway	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	UNITED STATES PIPE AND FOUNDRY CO 45968	Burlington	iron and steel	0.274	0	0	2.89	66.573	35.706	81.744	36.577	12,14
NJ	UNITED WIRE HANGER CORPORATION 02439	Hasbrouck Height	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NJ	US ARMY ARMAMENT RES DEV & ENG CTR 26177	Picatinny	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NJ	US ARMY GARRISON FORT DIX 45924	Fort Dix	boilers	unknown	unknown	unknown	unknown	239.04	25.15	46.72	8.29	12,15
NJ	US DEPARTMENT OF THE AIR FORCE 45897	New Hanover Tw	boilers	0	0	0	0	110.53	1.97	25.47	0.44	11,12,14
NJ	WARREN ENERGY RESOURCE CO LP 85455	Oxford	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NJ	WITCO CORP 17699	Perth Amboy	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14

Table NY-1: BART-Eligible Sources in NY

								Potential	emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f	rom date-e	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	Anchor Glass Container Corp	Elmira Heights	glass fiber	2112.3	341.8	754.3	20.7	unknown	unknown	unknown	unknown	12
NY	Cargill Salt Co- Watkins Glen Plant	Watkins Glen	acid plant	0	306.7	0	0	405.85	367.34	2668.1	unknown	12
NY	DuPont Chem & Pigment Div-Niagara Plant	Niagara Falls	chemical plant	501.948	175.727	1243.68	34.91	n/a	n/a	n/a	n/a	12
NY	Ferro Electronic Materials (TAM Ceramics Inc.)	Niagara Falls	acid plant	41.4	1155.67	0.027	0	21.195	21.649	0.013	0	11,12
NY	General Chemical Corp-Syracuse Works	Solvay	chemical plant	1506.72	82.481	unknown	unknown	n/a	n/a	n/a	n/a	
NY	Glens Falls Lehigh Cement Company	Glens Falls	portland cement	unknown	264.015	unknown	unknown	unknown	unknown	unknown	unknown	11,12
NY	Grumman Aerospace MFG Plant	Bethpage	boilers	533.046	336.9394	726.23	5.11585	n/a	n/a	n/a	n/a	
NY	Interface Solutions Inc	Fulton	kraft pulp	153.948	101.6565	1072.951	6.55	0	3.7265	0	49	12
NY	International Paper Hudson River Mill	Corinth	kraft pulp	21.02	97.275	280.077	18.895	n/a	n/a	n/a	n/a	12
NY	International Paper Ticonderoga Mill	Ticonderoga	kraft pulp	922.5	354.5	4842.5	unknown	n/a	n/a	n/a	n/a	11,12
NY	Kodak Park Division	Rochester	chemical plant	5772.425	3635.604	10.54	561.8	0	0	0	0.245	11,12
NY	Lackawanna Plant - 13 Inch Bar Mill (Bar Technologies, Inc.)	Hamburg	iron, coke oven	866.13	123.83	2167.8	9.68	n/a	n/a	n/a	n/a	2
NY	Lafarge Building Materials Inc (Blue Circle Cement)	Ravena	portland cement	unknown	433.244	unknown	unknown	unknown	1138.41	unknown	unknown	1,2,12
NY	Morton Salt Div	Silver Springs	acid plant	6226	222.4	26.7	unknown	unknown	unknown	unknown	unknown	11
NY	Ontario Co Landfill	Seneca/Flint	incinerator	0	0	0	595.35	n/a	n/a	n/a	n/a	12

Table NY-2: Potentially BART-Eligible Sources in NY

									emissions fi		962, 1977-	
							ligible units			units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	3M Tonawanda	Tonawanda	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,12
NY	Albany Landfill	Albany	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1
NY	American Ref-Fuel Co Niagara, PL	Niagara Falls	incinerator	1445	97.236	173.01	86.286	n/a	n/a	n/a	n/a	3,12
NY	Anheuser Busch Baldwinsville Corporation	Baldwinsville	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	2,12
NY	Atofina Chemical Inc.	Genesco	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NY	Buffalo Color Corp - Lee St. Plant	Buffalo	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	2,11,12
NY	Colonie - T Landfill	Cohoes	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2
NY	Corning Inc - Fallbrook Plant	Corning	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2
NY	E I DuPont Yerkes Plant	Buffalo	chemical plant	0	0	0	169.93	0	0	0	340.06	1,2,12
NY	Erwin Manufacturing Complex (Corning Inc.)	Erwin	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NY	General Electric Selkirk Plastics Plt	Selkirk	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NY	Globe Metallurgical Inc	Niagara Falls	zinc, lead smelter	unknown	unknown	unknown	unknown	610	unknown	741.5	unknown	1,2
NY	Hampshire Chemical Corp/Evans Chemetics	Waterloo	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2
NY	Newstech NY Inc	Deferiet	kraft pulp	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	6
NY	Norlite Corp	Cohoes	portland cement	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NY	Northeast Solite Corporation	Mt. Marion	glass fiber	unknown	unknown	unknown	unknown	0	134.008	0	0	2
NY	Owens-Corning Delmar Plant	Feura Bush	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2
NY	Revere Smelting & Refining Corp of NJ	Middletown	secondary metal	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	1,2,12
NY	Riverhead Terminal-TOSCO Corporation	Riverhead	petrol. storage	71.445	15.425	164.7	256.6	n/a	n/a	n/a	n/a	2,12
NY	Schenectady International/Rott JCT Fac	Rotterdam Junct.	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12

Table NY-2: Potentially BART-Eligible Sources in NY (cont.)

								Potential	emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f	rom date-e	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	Selkirk Cogeneration Project	Bethlehem	boilers	unknown	unknown	unknown	unknown	741.1	61.93	583.59	14.03	1,2
NY	Seneca Meadows SWMF	Waterloo	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2
NY	St Lawrence Cement Corp-Catskill Quarry	Catskill	portland cement	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2
NY	US Military Academy	West Point	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,3
NY	US Salt-Watkins Glen Refinery	Watkins Glen	acid plant	85.015	unknown	unknown	unknown	81.21	757.8	unknown	unknown	1,2,12
NY	Washington Mills Electro Minerals	Niagara Falls	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,12
NY	WYETH-AYERST/LEDERLE LABORATORIES	Pearl River	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,3,11,12
NY	Xerox Corp	Henrietta	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	1,2,11,12

Table NY-3: Non-BART-Eligible Sources in NY

				Potential	emissions f	rom date-e	ligible units	11	emissions f	rom 1960-1 9 units	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	110 CLEAN FILL DISPOSAL SITE	Melville	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Adirondack Resource Recovery Fac	Hudson Falls	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	AKZO CHEMICALS INC	Ardsley	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	AKZO SALT -WATKINS GLEN REFIN.	Watkins Glen	acid plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	AL TURI LANDFILL	Goshen	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ALBERT EINSTEIN COLLEGE OF MEDICINE	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Alcan Aluminum Corporation	Oswego	secondary metal	14.72	9.28	0.047	4.848	n/a	n/a	n/a	n/a	12,14
NY	ALCOA MASSENA OPERATIONS	Massena	aluminum ore	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ALGONQUIN GAS	Southeast	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ALGONQUIN GAS: STONY POINT COMPRESSOR	Stony Point	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	AMERADA HESS RENS TERMINAL	East Greenbush	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	AMERADA HESS RENSSELAER TERMINAL	East Greenbush	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	American Can Packaging	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	18
NY	AMOCO - 125 APOLLO ST	Brooklyn	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Amphenol Corp - Bendix Connector Opers	Sidney	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	11,15
NY	ARCH CHEMICALS INC	Rochester	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ARKAY PACKAGING CORP	Hauppage	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ARROW LOCK CORP	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ARROW LOCK MANUFACTURING CO	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ATLANTIC TUBING COMPANY	Chestnut Ridge	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	AVA LANDFILL	Ava - T	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Avanti Case-Hoyt Corporation	Chili	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16
NY	BABYLON ASH DISPOSAL FACILITY	West Babylon	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BABYLON INCINERATOR PL	West Babylon	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BABYLON RESOURCE RECOVERY FACILITY	West Babylon	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BALL METAL CONTAINER DIVISION	Saratoga Springs	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BARKER BROS - RIDGEWOOD	Ridgewood	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

								Potential	emissions f		962, 1977-	
					emissions f					units		4
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	BATAVIA POWER PLANT	Batavia	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BEDFORD HILLS CORRECTIONAL FACILITY	Bedford Hills	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Bennington Paperboard Co	North Hoosick	boilers	100	unknown	unknown	unknown	n/a	n/a	n/a	n/a	15
NY	BERGEN POINT STP & BERGEN AVE. DOCK	West Babylon	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BIG SIX TOWERS INC	Woodside	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BINGHAMTON STEAM PLANT	Binghamton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Bird Island Stp	Bird Island	boilers	411	40.2	1.77	8.175	n/a	n/a	n/a	n/a	15
NY	Blydenburgh Road Landfill	Islip	incinerator	0	0	2.112	28.505	n/a	n/a	n/a	n/a	12,14
NY	Boralex Chateaugay, Inc.	Chateaugay	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	BORG WARNER AUTO-TRANSMISSION COMPONENTS	Ithaca	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BRISTOL-MYERS COMPANY DEWITT	Syracuse	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	BRISTOL-MYERS SQUIBB COMPANY	Easty Syracuse	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BRONX LEBANON HOSPITAL	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BRONX ZOO	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	BROOKHAVEN LANDFILL & RECYCLING AREA	Yaphank	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	BROOKHAVEN NATIONAL LABORATORY	Upton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	BROOKHAVEN NATL LAB	Upton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	BROOKLYN COLLEGE	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Buffalo General Hospital	Buffalo	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,15
	CARBO-CONCORD OIL	Lawrence	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	CARGILL SALT DIVISION	Watkins Glen	acid plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Carthage Energy Cogen Facility	Carthage	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	CENTRAL PLANT - 251 MERCER ST	New York	boilers	unknown		unknown	unknown	unknown	unknown	unknown	unknown	14
	Charles PT Resource Recovery Facility	Peekskill	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
	CHEMPRENE, INC.	Beacon	chemical plant	unknown		unknown	unknown	unknown	unknown	unknown	unknown	14
	CITGO PETROLEUM GLENMONT TERMINAL	Glenmont	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	CITY COLLEGE OF NEW YORK	New York	boilers	unknown		unknown	unknown	unknown	unknown	unknown	unknown	14
	CNG Transmission/Utica	Frankfort	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
	COLUMBIA UNIVERSITY	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	COMMANDER OIL TERMINAL	Oyster Bay	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	CON ED-59TH ST STA	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	CON ED-N. 1ST ST. FUEL OIL TERMINAL	Brooklyn	boilers	unknown		unknown	unknown	unknown	unknown	unknown	unknown	14
	Consolidated Gas Borger Station	Ithaca	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
	Cornell Univ Ctl Heat Plt	Ithaca	boilers	135.342			unknown	n/a	n/a	n/a	n/a	11,12,15
	CORNING INC CANTON PLANT	Canton	glass fiber	unknown		unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Crawford Furniture Jamest	Jamestown	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	CREEDMOOR PSYCHIATRIC CENTER	Queens Villiage	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	CREEDMOOR PSYCHIATRIC CTR-80-45WINCHESTE	Queens Villiage	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Cummins Engine-Jameston Plant	Lakewood	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
	DANC RODMAN LANDFILL	Rodman	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	DAYTON BEACH PARK # 1 CORPORATION	Far Rockway	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	DELPHI AUTOMOTIVE SYSTEMS LEE RD PLANT	Rochester	boilers	unknown		unknown	unknown	unknown	unknown	unknown	unknown	14
141	DELI HI AUTOMOTIVE STOTEMO ELE ROTEANT	I IOCHESIEI	מוופוס	unknown	utikitowii	ui iki iowii	utikitowii	uiikiiowii	urikiiUWII	unknown	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

				Potential	emissions f	from date-e	ligible units	Potential	emissions f	rom 1960-1	962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	DITMAS TERMINAL - 364 MASPETH AVENUE	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	DITMAS TERMINAL - 364 MASPETH AVENUE	Brooklyn	petrol. storage		unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	DMV INTERNATIONAL NUTRITIONALS	Delhi	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	DOWNSTATE MEDICAL CENTER	Brooklyn	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Durez Div	Niagara Falls	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Dutchess Co Resource Recovery Facility	Poughkeepsie	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NY	EAST NORTHPORT SOLID WASTE DISPOSAL FAC	East Northport	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	EAST RIVER HOUSING CORP	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Econo Products	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	18
NY	ELMER'S PRODUCTS INC	Bainbridge	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ENGELHARD CORPORATION - PIGMENT PLANT	Peekskill	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ENTENMANN'S BAKERY	Bayshore	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Ethan Allen	Boonville	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	Felix Schoeller Technical Papers	Pulaski	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
NY	Fibermark Filter and Technical Specialti	Beaver Falls	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	18
NY	Finch Pruyn & Co	Glens Falls	kraft pulp	156.2	1.24	0.17	unknown	n/a	n/a	n/a	n/a	12,14
NY	FRANKLIN REALTY CORP (ENF 11-30-89)	Queens	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Fulton Cogeneration Assoc Cogen Project	Fulton	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	GARLOCK INC	Sodus	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Garlock Sealing Technologies	Palmyra	boilers	unknown	unknown	unknown	unknown	n/a	n/a	n/a	n/a	12,15
NY	General Electric Turbine Plt	Schenectady	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	General Mills Inc	Buffalo	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,12,13
NY	GEORGIA PACIFIC:WARWICK FLEXIBLE PACKAGE	Warwick	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	GLENMORE PLASTICS INC-807 BANK ST	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Glens Falls Lehigh Cement Company	Glens Falls	portland cement	0	12.72	2 0	0	n/a	n/a	n/a	n/a	12,14
NY	GM POWERTRAIN - MASSENA PLANT	Massena	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	GOOD SAMARITAN HOSPITAL MEDICAL CENTER	West Islip	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Goodyear Chem Plt	Niagara Falls	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Goodyear Dunlop Tires North America Ltd	Tonawanda	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,12,13
NY	GRASSLANDS RESERVATION	Valhalla	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	GRIFFISS AFB NY ROME	Rome	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	GUARDIAN GENEVA FLOAT GLASS FACILITY	Geneva	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Gunlocke Co.	Wayland	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,13
NY	Hempstead Resource Recovery Facility	Westbury	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	High Acres Landfill and Recycling Center	Fairport	incinerator	65.96	1.02	4.22	12.36	n/a	n/a	n/a	n/a	12,14
NY	HOFSTRA UNIVERSITY	Hempstead	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	HOLLINGSWORTH & VOSE GREENWICH MILL	Greenwich	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	HOLLINGSWORTH & VOSE-EASTON MILL	Easton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	HOLTSVILLE TERMINAL- TOSCO PIPELINE CO	Holtsville	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Huntington Resource Recovery Facility	E. Northport	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
	IBM East Fishkill Facility	Hopewell Junct.	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NY	Indeck Olean Energy Center	Olean	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

				Potential	emissions f	rom date-e	iaible units	Potential				
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	Indeck-Silver Springs Cogeneration	Silver Springs	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
	Indeck-Yerkes Energy Services	Tonawanda	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NY	Independence Station	Scriba	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NY	International Imaging (IMAK)	Amherst	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NY	INTERSTATE BRANDS CORPORATION	Queens	#N/A	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Iola Complex	Rochester	boilers	unknown	unknown	unknown	unknown	309.93	1163.5	1362.18	unknown	15
NY	IRVING TISSUE INC FT EDWARD OPERATIONS	Fort Edward	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Islip McArthur Resource Recovery Facil	Ronkonkoma	incinerator	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,14
NY	JAMIE TOWERS HOUSING CO. INC.	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KEYMARK CORP PLANT	Fonda	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KINGS PLAZA TOTAL ENERGY PLANT	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KNICKERBOCKER VILLAGE-10 MONROE ST	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KNOWLTON SPECIALTY PAPERS, INC	Watertown	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KODAK ELMGROVE PLANT-APPARATUS DIVISION	Rochester	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KODAK HAWK-EYE ROCHES	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KODAK PARK DIV ROCHES	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	KODAK PARK DIVISION	Rochester	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KODAK-ELMGROVE GATES	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	KONICA FILM PAPER & PHOTOCHEM MFG PLANT	Glen Cove	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	L & B PRODUCTS CORP	Hudson	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Lafarge North America Inc - Buchanan	Buchanan	kraft pulp	8.28	0.002	0.587	0.522	n/a	n/a	n/a	n/a	12,14
NY	LAFAYETTE BOYNTON HOUSES INC.	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	LAFAYETTE MORRISON HOUSING CORP	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Lafayette Paper LP	New Windsor	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NY	Landmark @ Eastview	Tarrytown	acid plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	LAPP INSULATOR	Leroy	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Lockport Cogeneration Facility	Lockport	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
NY	LONG ISLAND JEWISH MEDICAL CENTER-QUEENS	Queens	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Manchester Wood Inc.	Granville	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	MANHATTAN PSYCH CTR	Wards Island	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	MARSELLUS CASKET CO	East Syracuse	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	MARY IMMACULATE HOSPITAL	Jamaica	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Metal Container Corp	New Windsor	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
	METHODIST HOSPITAL	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Milligan & Higgins	Johnstown	boilers	141.9	54.4	742.673	unknown	n/a	n/a	n/a	n/a	15
	MOBIL GLENWOOD LANDING TERMINAL	Glenwood Landin	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	MOBIL OIL ALBANY TERMINAL #31-001	Albany	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	MOBIL OIL CORP ROCHESTER TERMINAL	Rochester	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	MOBIL OIL CORP-NEWBURGH TERMINAL	New Windsor	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Mobil Oil Corporation	Buffalo	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	MOBIL OIL CORPORATION	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	MOBIL OIL INWOOD TERMINAL	Inwood	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

NY PACTIV CORPORATION Canandaigua chemical plant unknown unkno									Potential			1962, 1977-	
MORIL TED PARK TERMINAL Warners potod. strategol windown windo					Potential								
NY MONROE LUYINGSTON SANITARY LANDFILL SCOTEWIS DIGIES UNKNOWN	State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
MONROE LUYINGSTON SANITARY LANDFILL Scottsville nicinerator unknown	NY	MOBIL TED PARK TERMINAL	Warners	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY MOTIVA ENTERPRISES LLC, INVOCOD MARKETING I Hempstaged perfol, storage unknown unkn	NY	MONROE LIVINGSTON SANITARY LANDFILL	Scottsville	·	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
MOTIVA ENTERPRISES LLC, INWOOD MARKETING	NY	MONTEFIORE MEDICAL CTR-111 E 210TH ST	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY MOUNT SINAL HOSPITAL AND NEW YORK New York poliers unknown	NY	MOTIVA ENTERPRISES LLC	Brooklyn	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY MOUNT SINAH HOSPITAL AND NEW YORK N	NY	MOTIVA ENTERPRISES LLC, INWOOD MARKETING	Hempstead	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY N STORE TOWERS APT TOTAL ENERGY PLANT Floral Park boilers unknown u	NY	MOUNT SINAI HOSPITAL	New York		unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY NEW YORK UNIVERSITY NOT READ PAYER STP East Bocksway boilers unknown unknow	NY	MOUNT SINAI HOSPITAL AND NEW YORK	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NASSAU COUNTY SD #2 BAY PARK STP East Rockaway boilers unknown u	NY	MUTUAL REDEVELOPMENT HOUSES	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NATIVE TEXTILES Glens Falls bollers unknown un	NY	N SHORE TOWERS APT TOTAL ENERGY PLANT	Floral Park	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
INTERPRETABLES Glens Falls Doilers Unknown unk	NY	NASSAU COUNTY SD #2 BAY PARK STP	East Rockaway	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NEW ENGLAND LAMINATES CO Walden boilers unknown unknown unknown unknown unknown unknown unknown unknown unknown	NY	NATIVE TEXTILES		boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NEW ENGLAND LAMINATES CO Walden boilers unknown unknown unknown unknown unknown unknown unknown unknown unknown	NY	NEPERA CHEMICAL COMPANY INC.	Harriman	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NEW YORK UNIVERSITY New York Newton Falls Inknown Unknown Unknow													14
NY NOCO Energy Corp. Tonawanda petrol. storage unknown u	NY		New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY NOCO Energy Corp. Tonawanda petrol. storage unknown			Newton Falls								1		14
Norbord Industries Inc. Deposit	NY		_										14
NOTH SHORE UNIVERSITY HOSPITAL Manhasset boilers Unknown	NY	67	Deposit		162.02	36.6895	0.4955	2.5255	n/a	n/a	n/a	n/a	12,14
NY - PRESBYTERIAN HOSPITAL-525 E 68TH ST New York boilers unknown unkn													14
NYC NYC-DEP NORTH RIVER WPCP New York boilers unknown un											-		14
NY NYC-HH - KINGS COUNTY HOSPITAL CENTER Bronx incinerator unknown unk											1		14
NY NYC-HH - JACOBI MEDICAL CTR Brooklyn boilers unknown unknow													14
NY NYC-HH - KINGS COUNTY HOSPITAL CENTER Brooklyn NY NYC-HH - METROPOLITAN HOSPITAL New York incinerator unknown NY NYC-HH - N CENTRAL BX HOSP-3424 KOSSUTH Bronx incinerator unknown NY NYC-HA - N CENTRAL BX HOSP-3424 KOSSUTH New York boilers unknown incinerator unknown incinerator unknown u	NY										-		14
NY NYC-HH - METROPOLITAN HOSPITAL New York incinerator unknown													14
NY NYC-HH - N CENTRAL BX HOSP-3424 KOSSUTH Bronx incinerator unknown											-		14
NY NYC-TA 207 STREET SHOP New York boilers unknown u			_								1		14
NY OCEANSIDE LANDFILL GAS RECOVERY FAC Oceanside incinerator unknown U													14
NY OCEANSIDE SOLID WASTE MANAGEMENT FAC Oceanside incinerator unknown											-		14
NY OREIDA CORRECTIONAL FACILITY ROME Rome boilers unknown unkn			_										14
NY ONEIDA CORRECTIONAL FACILITY ROME Rome boilers unknown unkn											-		14
NY Onondaga Co Resource Recovery Facility Jamesville incinerator N/Y ORANGE COUNTY SANITARY LANDFILL New Hampton incinerator unknown u											1		14
NY ORANGE COUNTY SANITARY LANDFILL New Hampton incinerator unknown orange incinerator unknown													12,13
NY ORANGE RECYCLING & ETHANOL PROD. FAC. Middletown incinerator unknown unknow	NY										unknown	unknown	14
NY ORGANICHEM CORP Rensselaer chemical plant unknown u													14
NY Oswego Co Energy Recovery Fac Fulton incinerator n/a											-		14
NY Outokumpu American Brass Buffalo Plant Buffalo zinc smelter unknown			_	<u> </u>									12,13
NY OWENS CORNING FIBERGLAS CORP Feura glass fiber unknown unkn													14
NY Owens-Brockway Volney Plant 25 Fulton glass fiber unknown u											-		14
NY Oxychem Niagara - Main Plt Niagara Falls chemical plant 0 0.0375 0 0 unknown unknow													18
NY PACTIV CORPORATION Canandaigua chemical plant unknown unkno				J							-		11,12,14
NY PACTIV CORPORATION Glens Falls chemical plant unknown											1		14
											1		14
NY PARKCHESTER SOUTH CONDOMINIUM Bronx boilers unknown	NY	PARKCHESTER SOUTH CONDOMINIUM	Bronx	boilers			unknown	unknown			-	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

				Potential	emissions f	rom date-e	ligible units	Potential	emissions f	rom 1960-	1962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	PARKER TOWERS - PARMAN CORP	Queens	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PAXAR Corp Systems Group	Orangeburg	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16
NY	PE - BAYSHORE LLC	Bayshore	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PEARL LEATHER FINISHERS INC	Johnstown	#N/A	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PETROLEUM FUEL & TERMINAL CO-RENSSELAER	Rensselaer	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PHOENIX LABORATORIES	Hicksville	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PHOTOCIRCUITS CORPORATION	Glen Cove	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PRESBYTERIAN HOSPITAL NEW YORK	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	PVS Chemicals	Buffalo	acid plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Quad/Graphics Inc	Saratoga Springs	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16
NY	Quebecor World Buffalo Inc	Depew	boilers	80.33	24.8	343.87	0	10.17	7 12.4	171.93	3 0	15
NY	QUEST INTERNATIONAL-SHEFFIELD PRODUCTS	Norwich	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	R G & E Russell Station	Greece	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,13
NY	RACHEL BRIDGE CORP	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RAD OCEANSIDE TERMINAL	Oceanside	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RAYMOND CORP GREENE	Greene	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RAYMOND CORPORATION	Greene	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	REFINED SUGARS, INC	Yonkers	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RELIABLE POLY PACKAGING-1250 METROPOLITA	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RENSSELAER COGEN FACILITY	Rensselaer	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	REYNOLDS METALS CO	Massena	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	REYNOLDS METALS ST LAWRENCE REDUCTION PL	Massena	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RG&E Allegany Station #133	Fillmore	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RIGA/MILL SEAT LANDFILL	Riga	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RIVERBAY CORP-CO-OP CITY	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RIVERSIDE MGMT CORP	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	RIVERSTAR INC (OLD STAR TERMINAL)	Highland	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ROCHDALE VILLAGE	Queens	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ROCHEDALE VILLAGE INC QUEENS	Queens	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ROCKEFELLER UNIVERSITY	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Rockland Psychiatric Center	Orangeburg	boilers	111.69	8.47	86.51	unknown	n/a	n/a	n/a	n/a	11,12,15
	Safety Kleen (BDT) Inc	Clarence	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	SAINT GOBAIN PERFORMANCE PLASTICS	Hoosick Falls	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SAINT MARY'S HOSPITAL	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SCHENECTADY INTERNATIONAL CONGRESS ST	Schenectady	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SENECA ENERGY LFGTE FACILITY	Seneca Falls	power plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
	Seneca Foods-Marion Plant	Marion	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,15
	SGL Carbon LLC	Niagara Falls	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Sisters Of Charity Hospital Buffal	Buffalo	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	12,14
NY	SONOCO-CRELLIN INC.	Chatham	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SOUTH GLENS FALLS ENERGY, LLC	South Glens Falls	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SOUTH OAKS HOSPITAL	Amityville	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

				Potential	emissions f	from date-e	ligible units	Potential		rom 1960- 9 units	1962, 1977-	
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	SOUTHAMPTON HOSPITAL	Southampton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SOUTHAMPTON HOSPITAL PROPERTY	Southampton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SPRAYLAT CORP	Mount Vernon	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ST CHARLES HOSPITAL	Port Jefferson	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ST JOHNS UNIVERSITY	Jamaica	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STARRETT CITY POWER PLANT	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STATE UNIVERSITY OF NEW YORK AT GENESEO	Genesco	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STEIN & GIANNOTT MED WASTE INCINERATOR	West Babylon	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STEINWAY & SONS - QUEENS FACILITY	Long Island City	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STERLING ENERGY FACILITY	Sherrill	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STEWART STAMPING CORP	Yonkers	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	STONY PT FACILITY	Stony Point	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SULLIVAN COUNTY LANDFILL MOD#12	Monticello	incinerator	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SUNOCO BINGHAMTON TERMINAL	Johnson City	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SUNY ARTS & SCIENCE GENESE	Genesco	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SUNY AT ALBANY	Albany	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SUNY AT BINGHAMTON	Binghamton	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Suny New Paltz	New Paltz	boilers	23.94	unknown	79.01	0.7	n/a	n/a	n/a	n/a	15
NY	SYRACUSE UNIVERSITY - STEAM STATION	Syracuse	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	SYROCO VAN BU	Baldwinsville	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Tenneco Gas Compressor Stn 229	Eden	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NY	Tenneco Station 230C	Lockport Junct.	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	TGP COMPRESSOR STATION 233	York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	The Carbide/Graphite Group Incorporated	Niagara Falls	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	16
NY	TJ WATSON RESEARCH CENTER	Yorktown Hts.	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Tonawanda Coke Corp	Tonawanda	iron, coke oven	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	TRACEY TOWERS	Bronx	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	TRANSCANADA POWER CASTLETON	Castleton-on-Hud	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	TRANSMONTAIGNE-RENSSELAER TERMINAL	Rensselaer	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Trigen Centrl Utility Plt - Mitchl Field	Garden City	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
NY	U S GYPSUM CO OAKFIELD PLANT	Oakfield	glass fiber	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ULANO CORP-280 BERGEN ST	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	ULANO CORPORATION	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	University of Rochester	Rochester	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Van Demark Group (VanDemark Inc)	Lockport Junct.	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	VANBRO CORP-1900 SOUTH AVENUE	Staten Island	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	VARFLEX CORP	Rome	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	VAW OF AMERICA, INC.	Ellenville	zinc smelter	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	VILLAGE VIEW HOUSING	New York	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Von Roll Isola USA Inc	Rotterdam	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
NY	WABASH ALUMINUM ALLOYS LLC	Easy Syracuse	secondary metal	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	WARBASSE HOUSES & POWER PLANT	Brooklyn	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table NY-3: Non-BART-Eligible Sources in NY (cont.)

									emissions f	rom 1960-1	962, 1977-	
				Potential	emissions f	rom date-el	igible units		1979	units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
NY	WAREX TERMINALS CORP - SOUTH TERMINAL	New Windsor	petrol. storage	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Whiting Roll-Up Door MFG Corp	Akron	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	Woodhull Station	Woodhull	boilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11,13
NY	WORMUTH BROTHERS FOUNDRY	Athens	iron and steel	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	WYETH-AYERST PHARMACEUTICALS, INC.	Rouses Point	chemical plant	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14
NY	WYETH-AYERST RESEARCH DRUG SAFETY FAC	Chazy	boilers	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	14

Table RI-1: BART-Eligible Sources in RI

					F				Potential emissions from 1960-1962, 1977-					
				Potential	Potential emissions from date-eligible units				1979	units				
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes		
RI	BROWN UNIVERSITY	Providence	boilers	413.354	61.902	727.03	10.598	8.537	0.679	4.672	0.434	12		
RI	Clariant Corp.	Coventry	chemical plant	326	48.84	626	46.8	20.31	1.43	17.25	48.92	12		

Table RI-2: Potentially BART-Eligible Sources in RI

None

Table RI-3: Non-BART-Eligible Sources in RI

				Potential emissions from 1960-1962, 1977-								
					emissions f					units units		
State	Company Name	City	BART Category	NOx	PM	SO2	VOC	NOx	PM	SO2	VOC	Notes
RI	ALGONQUIN GAS TRANSMISSION CO.	Burrillville		n/a	n/a	n/a	n/a	2.43	0.11	0.009	0.08	12,15
RI	Arkwright, Inc.	Fiskeville	22	9.3	0.42	0.056	88	5.6	0.25	0.034	55	12,14
RI	BRADFORD DYEING ASSOCIATION	Westerly	22	323.21	46.6	685.31	1.54	n/a	n/a	n/a	n/a	11,12,15
RI	CCL CUSTOM MFG	Cumberland	21	50	0	117.59	0.42	0	0	0	161.68	12,14
RI	EXXON MOBIL (MOBIL OIL, EAST PROVIDENCE TERM)	East Providence	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	KENYON INDUSTRIES	Kenyon	22	53.84	10.45	153.59	0.27	41.5	8.05	118.46	0.21	15
RI	MOTIVA ENTERPRISES (Star Enterprises Sales Terminal)	Providence?	23	0	0	0	5.2	n/a	n/a	n/a	0.4132	11,12,14
RI	NARAGANSETT BAY COMMISSION WWTF	Providence	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	NAVAL STATION NEWPORT (NAVAL EDUCATION AND TRAIN	Newport	22	31.83	2.08	32.15	0.312	n/a	n/a	n/a	n/a	11,12,15
RI	Org. Bradford Soapworks, Inc.	West Warwick	21	13.5	3.6	38.5	64.3	13.5	3	38.5	0.3	11,12,14
	OSRAM SYLVANIA, INC.	Central Falls	22	57.49	6.25	120.34	0.21	unknown	unknown	unknown	unknown	12,15
RI	PAWTUCKET POWER ASSOCIATES	Pawtucket	22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,13
RI	PROVIDENCE METALLIZING CO., INC.	Pawtucket	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	QUALITY SPRAY AND STENCILING	Providence	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	RI Central Power Plant	Cranston	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	RI Textile Co	Pawtucket	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	Seville Dyeing Co.	Woonsocket	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	Tech Industries	Woonsocket	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	Toray Plastic America	North Kingstown	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15
RI	UNIVERSITY OF RHODE ISLAND	Kingston	22	16.98	0.84	3.47	0.33	25.03	2.5	54.06	0.25	12,15
RI	Woonsocket WWTF	Woonsocket	22	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	15