ADDENDUM TO AIR POLLUTION CONTROL PERMIT APPLICATION FOR PROPOSED LANDFILL GAS-FIRED COMBUSTION TURBINE COMBINED CYCLE POWER PLANT

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TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1

1.1 REGEN GAS FLARE 1

1.2 BACKUP FLARES 2

2.0 EMISSIONS DATA 2

2.1 CRITERIA POLLUTANTS 2

2.1.1 Regen Flare 2

2.1.2 Backup Flares 3

2.2 HYDROGEN CHLORIDE AND HYDROGEN SULFIDE 4

2.3 POTENTIAL EMISSIONS 4

2.4 TOXIC AIR POLLUTANTS FROM LANDFILL GAS 4

3.0 BEST AVAILABLE CONTROL TECHNOLOGY / LOWEST ACHIEVABLE EMISSION RATE 5

3.1 USE OF NON-ULE ENCLOSED FLARES AS BACKUP FLARES 6

3.2 NO_X 7

3.3 CO 8

3.4 VOC 9

3.5 SO_X 9

3.6 PARTICULATE MATTER 9

3.7 HCL 10

4.0 REVISED AMBIENT IMPACT ASSESSMENT 10

4.1 GENERAL APPROACH 10

4.2 WORST-CASE LOAD 10

4.3 GOOD ENGINEERING PRACTICE STACK HEIGHT 11

4.4 SIGNIFICANT IMPACT AREA 11

4.5 SOURCE CHARACTERISTICS 11

4.6 RECEPTORS 11

4.7 AMBIENT AIR MONITORING WAIVER 11

4.8 MODELING RESULTS 12

4.8.1 Criteria Pollutants Modeling Results 12

4.8.2 Air Toxics Modeling Results 12

5.0 ADDITIONAL IMPACTS ANALYSIS FOR PSD 12

5.1 VISIBILITY IMPACTS 12

5.2 SOILS AND VEGETATION IMPACTS 13

6.0 EMISSIONS OFFSETS 13

TABLE OF CONTENTS (Continued)

TABLES

TABLE 1 EMISSION RATES FOR PROPOSED FLARES
TABLE 2 POTENTIAL EMISSIONS FOR PROPOSED CTCC FACILITY
TABLE 3 TOXIC AIR POLLUTANT EMISSIONS
TABLE 4 MAJOR MODIFICATION APPLICABILITY DETERMINATION
TABLE 5 BACT/LAER SUMMARY FOR LANDFILL GAS-FIRED TURBINES
TABLE 6 WORST CASE LAOD ANALYSIS FOR BACKUP FLARES
TABLE 7 WORST-CASE LOAD ANALYSIS FOR REGEN FLARE
TABLE 8 CRITERIA POLLUTANT IMPACTS OF PROPOSED CTCC FACILITY
TABLE 9 MODELING PARAMETERS
TABLE 10 PRE-APPLICATION MONITORING WAIVER
TABLE 11 INCREMENT CONSUMPTION ANALYSIS
TABLE 12 COMPARISON OF AMBIENT IMPACTS TO NAAQS
TABLE 13 TOXIC AIR POLLUTANT IMPACTS
TABLE 14 VEGETATION IMPACTS OF PROJECT

FIGURES

FIGURE 1 LOCUS MAP FOR FLARES
FIGURE 2 SITE LAYOUT PLAN
FIGURE 3 REVISED GRAPHIC REPRESENTATION OF RECEPTOR NETWORK

APPENDICES

APPENDIX A	APPLICATION FORMS
APPENDIX B	SUPPORTING CALCULATIONS
APPENDIX C	WORST-CASE LOAD MODEL RESULTS
APPENDIX D	BPIP-PRIME OUTPUT
APPENDIX E	TOXIC AND CRITERIA POLLUTANT DETAILED MODELING RESULTS
APPENDIX F	VISCREEN MODEL OUTPUT
APPENDIX G	FLARE DRAWINGS

1.0 INTRODUCTION

Rhode Island Central Genco, LLC (the applicant) is proposing to install a 42-MW, landfill gas-fired combustion turbine combined cycle (CTCC) electric generation plant at the Central Landfill in Johnston, Rhode Island to be operated by Ridgewood Power Management (Ridgewood). In connection with this project, the applicant proposes to install three flares. This document constitutes an addendum to "Air Pollution Control Permit Application for Proposed Landfill Gas-Fired Combustion Turbine Combined Cycle Plant," December 2007. The proposed flares are described below.

1.1 REGEN GAS FLARE

A small flare will be used to treat the purge gas from regenerating the adsorbent in the final step in the siloxane removal process. Siloxane removal is necessary to allow for the proper functioning of the Selective Catalytic Reduction (SCR) system used to control NO_X emissions from the turbines. Prior attempts to use SCR and other catalytic control systems for landfill gas combustion devices have failed due to the presence of siloxanes in landfill gas, which are oxidized to silica in the combustion process. Silica coats the catalytic surfaces and renders the catalyst ineffective.

The final polishing step in the siloxane removal process consists of a silica gel adsorbent. The adsorbent must be regenerated by desorbing the siloxanes from the adsorbent with air. The system will include two adsorber vessels to allow continuous operation. One vessel will be operating in the adsorb mode, with landfill gas passing through it, and the other vessel will be operating in the desorb mode, with purge gas (air) being passed through it to remove adsorbed siloxanes. The New Source Performance Standards for municipal solid waste landfills (40 CFR 60, Subpart WWW) requires that any discharge from a landfill gas treatment system be routed through a control device, hence the need for this flare.

This flare will use up to 630 scfm of landfill gas for a purge gas stream of up to 6,900 scfm. The purge gas will be injected into the flare using a dedicated blower. Because this is a primary control device that will operate continuously, the applicant proposes to use an Ultra Low Emissions (ULE) flare manufactured by John Zink Company. It essentially the same design as the existing 6,000 scfm ULE flare operated as part of the existing gas control system at the Central Landfill, except for its smaller capacity and the presence of an injection blower for the purge gas. This type of flare utilizes a combustion air blower and mixing vanes to pre-mix combustion air with the landfill gas upstream of the burners. This allows for high destruction efficiency while minimizing secondary emissions of CO and NO_X.

This landfill gas used as fuel in this flare will pass through the sulfur removal process prior to being routed to the flare.

A drawing showing the dimensions of the proposed regen flare is included in ***Appendix G***. This drawing does not reflect the pre-mix characteristics of the flare, as the manufacturer could not provide a drawing for a ULE in this size range.

1.2 BACKUP FLARES

Two 3,000 standard cubic feet per minute (scfm) enclosed flares are proposed to be installed as backup flares to provide additional landfill gas control capacity in the event that one or more of the landfill gas-fired electric generating devices (turbines or reciprocating engines) is out-of service, including the period prior to the turbines becoming operational. These flares would also serve as backup to the regen flare. Piping and an injection blower will be provided on one flare to allow it to serve as the backup control device for purge gas from the final polishing step in the siloxane removal process. This eliminates the need to install a separate backup flare for the purge gas.

Once the turbines are operational, these flares will operate solely as backup to the power generating devices and the regen flare. They will supplement the existing flare capacity at the Central Landfill, which will include three open flares with a combined capacity of 2,400 scfm and the 6,000 scfm ULE flare.

Because they are serving as backup devices and are not expected to be used on a regular basis after construction of the turbines, the applicant is proposing standard enclosed flares, which have a slightly lower guaranteed NMOC destruction efficiency (98 percent vs. 99 percent) and higher secondary emissions of NO_X and CO than the regen flare. Standard enclosed flares are more reliable because they have a simpler burner design, do not require a combustion air blower, and have simpler controls. Also because the burners and upstream components are sized solely for the fuel, and not a fuel-air mixture, standard enclosed flares cost substantially less than ULE flares.

This landfill gas used as fuel in this flare will pass through the sulfur removal process prior to being routed to the flare.

A drawing showing the proposed backup flare equipped with purge gas injection is included in ***Appendix G***.

2.0 EMISSIONS DATA

2.1 CRITERIA POLLUTANTS

Maximum criteria pollutant emission rates are presented in ***Table 1***. Supporting calculations are provided in ***Appendix B***. The basis used in the emission calculations are discussed below

2.1.1 Regen Flare

The maximum estimated heat input rating of the regen flare is 20.79 MMBTU/hr, based on and a landfill gas consumption rate of 630 scfm and a maximum landfill gas heat value of 550 BTU/scf (HHV).

Maximum oxides of nitrogen (NO_X) emissions were calculated using an emission factor of 0.025 lb/MMBTU, which is guaranteed by the manufacturer.

Maximum carbon monoxide (CO) emissions were calculated using an emission factor of 0.06 lb/MMBTU, which is guaranteed by the manufacturer.

The regen flare treats VOCs contained in both the landfill gas used as fuel and the purge gas from the siloxane treatment polishing step. Maximum volatile organic compound (VOC) loading from the landfill gas was calculated using a landfill gas VOC content of 1000 parts per million by volume (ppmv) as hexane. (The most recent test of the Phase V gas on June 18, 2008 indicates a VOC content of 636 ppmv as hexane.)

The purge gas contains VOC that has been desorbed from the silica gel adsorbent used in the polishing step of the siloxane removal system. The VOC loading in the purge gas has been estimated based to be 10 percent (or less) of the VOC in the gas treated by the siloxane removal system because VOC is removed from the gas in prior treatment steps and because silica gel is not an effective adsorbent for many light organic compounds. Gas going to the turbines (13,340 scfm) and engines (2,852 scfm) is treated for siloxane. Therefore, the VOC loading from the purge gas were calculated based on 16,192 scfm with a VOC content that is 10 percent of the 1000 ppmv (as hexane) VOC content of the raw landfill gas. The maximum post-control VOC emissions from the regen flare were calculated using the total VOC input from the landfill gas and the purge gas and the manufacturer's guaranteed destruction efficiency of 99 percent.

The purge gas may also contain siloxanes adsorbed in the final polishing step in the siloxane removal process, which will be oxidized to SiO_2 in the flare. Based on data presented by SCS Engineers, the silicon content of landfill gas ranges from 0.5 to 2.9 g/MMBTU, with an average of 0.9 g/MMBTU.[1,2] The emission rate of particulate matter from siloxanes has been estimated based on 2.9 g Si/MMBTU. The purge gas comes only from the final polishing step, and it is estimated that a minimum of 90 percent of the siloxanes will be removed prior to this step, so particulate matter in the purge gas is based on 10 percent of the estimated siloxane content of the untreated gas passing through the siloxane treatment process.

Particulate matter emissions from the landfill gas used as fuel have been estimated using an emission factor of 9.24 lb/MMBTU, which is derived from the AP-42 emission factor of 17 lb/MMscf of methane and a maximum landfill gas heat value of 550 BTU/scf (HHV).

2.1.2 Backup Flares

The maximum estimated heat input rating of the each backup flare is 99 MMBTU/hr, based on a landfill gas consumption rate of 3000 scfm each and a maximum landfill gas heat value of 550 BTU/scf (HHV).

Maximum oxides of nitrogen (NO_X) emissions were calculated using an emission factor of 0.06 lb/MMBTU, which is guaranteed by the manufacturer.

Maximum carbon monoxide (CO) emissions were calculated using an emission factor of 0.20 lb/MMBTU, which is guaranteed by the manufacturer.

Maximum VOC emissions from each backup flare was calculated using a landfill gas VOC content of 1000 ppmv as hexane and the manufacturer's guaranteed destruction efficiency of 98 percent.

[1] Pierce, Jeffrey (SCS); "Siloxane Quantification, Removal and Impact on Landfill Gas Utilization Facilities," presented at Conference and Project Expo, Baltimore, Maryland. June 10 -11, 2005.

[2] Pierce, Jeffrey (SCS) and Ed Wheles (LA County Sanitation Districts); "Siloxanes in Landfill and Digester Gas Update," 2004.

Particulate matter emissions from for each backup flare have been estimated using an emission factor of 9.24 lb/MMBTU, which is derived from the AP-42 emission factor of 17 lb/MMscf of methane and a maximum landfill gas heat value of 550 BTU/scf (HHV).

2.2 HYDROGEN CHLORIDE AND HYDROGEN SULFIDE

Hydrogen chloride (HCl) and hydrogen sulfide (H_2S) emissions are based primarily on the characteristics of the landfill gas and not the device they are combusted in.

HCl is emitted as a result of chlorinated compounds present in the landfill gas. Based on a site-wide average chlorine content of 12.79 parts per million (ppm) as measured in May 2000, the HCl emission rate assuming 100 percent conversion of the chlorine has been estimated as 1.23 pounds per million standard cubic feet of gas consumed. It should be noted that landfill gas chlorine content, and therefore HCl emission rate, may vary over time.

All gas going to the backup and regen flares will be treated to remove sulfur prior to being routed to the flares. Maximum H_2S emissions have been estimated based on a post-treatment sulfur content of 100 ppmv as H_2S and the manufacturer's destruction efficiency estimate of 98 percent.

2.3 POTENTIAL EMISSIONS

Revised potential emissions of criteria pollutants, H_2S, HCl, and ammonia from the proposed CTCC facility, including the flares, are presented in ***Table 2***.

The regen flare is a primary control device, and emissions from this flare must be included when calculating potential emissions from the facility.

The backup flares have lower emissions than the devices they back up and do not increase potential emissions from the proposed CTCC facility when serving as backup for inoperative engines or the proposed turbines. However, CO, NO_X, and VOC emissions from the backup flare are higher than the regen flare, so potential emissions will be increased when a backup flare is used in place of the regen flare. To account for this, potential emissions for CO, NO_X, and VOC have been calculated assuming that the backup flare is used in place of the regen flare for a total of 2000 hours per year.

2.4 TOXIC AIR POLLUTANTS FROM LANDFILL GAS

Landfill gas contains a number of organic compounds that are considered hazardous air pollutants (HAPs) or toxic air pollutants (TAPs) regulated under Rhode Island Air Pollution Control Regulation 22. The proposed flares will destroy most of these pollutants in the combustion process. The proposed CTCC facility is a separate stationary source from the Central Landfill, and it is considered a source of emissions for the HAPs and TAPs that are not destroyed in the combustion process.

Individual constituents present in the landfill gas based on tests performed by Ridgewood at the Stage 2 facility are listed in ***Table 3***. Emissions from the existing facilities and the proposed CTCC facility are also listed. Although the regen flare has a guaranteed control efficiency of 99 percent, emissions from all devices have been estimated based on 98 percent destruction of the landfill gas contaminants in the combustion process to allow for the use of a backup flare if the regen flare is inoperative.

The combined total HAP emissions from the Ridgewood-operated facilities (including HCl, which is the majority of the HAP) are estimated to be well below the major source threshold of 10 tons for any individual HAP or 25 tons for all HAPs in aggregate.

3.0 BEST AVAILABLE CONTROL TECHNOLOGY / LOWEST ACHIEVABLE EMISSION RATE

Best Available Control Technology (BACT) refers to an emission limitation, work practice, design or operational standard that reflects the maximum degree of emission reduction for each pollutant from a stationary source, taking into account environmental, energy, and economic impacts. BACT must not be less stringent than any applicable state or federal rule or regulation.

Lowest Achievable Emission Rate (LAER) means the most stringent emission limitation in any State Implementation Plan (SIP) for a particular category of source (unless it can be demonstrated that such a limitation is not achievable) or the most stringent emission limitation achieved in practice for a particular category of source. Based on the information presented in ***Table 4***, LAER is required for VOC and NO_X emissions.

A survey of published BACT/LAER databases and guidance documents was performed for the flares. The sources consulted included the following:

- EPA's RACT/BACT/LAER Clearinghouse;
- Bay Area Air Quality Management District BACT Guidelines;
- California Air Resources Board BACT Clearinghouse;
- San Joaquin Valley Unified Air Pollution Control District BACT Clearinghouse;
- The Texas NRCC BACT Guidelines;
- New Jersey State-of-the-Art Manual; and
- South Coast Air Quality Management District BACT Guidelines.

In addition, emissions limits from other similar sources have been included. ***Table 5*** summarizes the BACT/LAER information for individual projects available from published sources.

It should be noted that both landfills and digesters, the sources for which the flares listed in ***Table 5*** are the control devices, represent a wide range of gas qualities and chemical characteristics. Digester gas usually has a higher heat value that varies within a narrower range than landfill gas. The type and amount of VOC, siloxanes, and other contaminants may vary considerably among individual facilities and these can affect the specific emission loading to a

flare. Climate can play a role in the reliability and performance of a specific type of flare. For the same type of flare, the site-specific factors may be more significant than any differences in the flares themselves.

According to personnel from John Zink Company, the manufacturer of the proposed flares, the size of the flare and the flow rate relative to the capacity rating also play a role in emissions from flares. Whereas in small diameter flares, CO can be substantially reduced by increasing the operating temperature of the flare (at the expense of NO_X), the larger the diameter of the flare is, the less effective higher operating temperature is in reducing CO emissions. Also, due to the longer retention time, flares operating at less than full capacity can have substantially lower CO emissions.

3.1 USE OF NON-ULE ENCLOSED FLARES AS BACKUP FLARES

Flares for landfill gas are generally of one of three types:

- Open flares, where combustion takes place in the open air;
- Enclosed flares, where combustion takes place in a refractory-lined chamber that comprises both combustion chamber and the stack; and
- ULE, or pre-mix flares, which are enclosed flares, but which have a combustion blower to inject and mix the combustion air upstream of the burners so that the air and fuel are mixed prior to entering the burner.

Because of their simplicity, open flares are reliable, inexpensive, and can be skid mounted to allow them to be relocated as the need arises. However, emissions from open flares cannot be tested, and secondary parameters such as tip exit velocity and visible emissions must be used to evaluate performance.

Enclosed flares, due the large stack/combustion chamber, require permanent foundations and are not easily relocated.

ULE flares, because of the pre-mixing of combustion air and fuel, offer higher destruction efficiency and lower secondary emissions of NO_X and CO than other types of flares. However, they are more costly to operate because of the large combustion air blower, have a capital cost approximately twice as much as a conventional enclosed flare (and even more compared to an open flare) because the gas piping and burners must be sized for approximately four - five times the gas volume as a conventional enclosed flare. Furthermore, because of their complexity, they are less reliable than other flares.

GZA is familiar with several facilities utilizing ULE flares, namely the Central Landfill and the Turnkey Recycling and Environmental Enterprise (TREE) facility. ULE flares at both of these facilities have suffered from operational difficulties, including burner failures, control software problems, and icing in the combustion air lines; and have had extensive shakedown periods and have required post-installation modifications to achieve reasonable reliability.

The proposed backup flares are expected to operate intermittently, and the environmental benefit from the use of ULE flares for the backup flares is minimal. Considering the marginal benefit, the substantial additional cost, and the operational difficulties experienced with existing ULE flares, conventional enclosed flares are a more beneficial choice for backup flares. It should be noted that the New Hampshire Department of Environmental Services recently approved the use of non-ULE backup flares as LAER for a landfill gas treatment and pipeline project being

developed by the University of New Hampshire at the TREE because of the intermittent and variable operating loads.

3.2 NO_X

The proposed CTCC facility is subject to LAER for NO_X. The proposed NO_X emission rates are 0.025 lb/MMBTU for the regen flare and 0.06 lb/MMBTU for the backup flare.

The regen flare's guaranteed NO_X emission rate of 0.025 lb/MMBTU is consistent with the emissions guarantee for other ULE flares and is lower than any other BACT or LAER determination listed in ***Table 5***.

The backup flare guaranteed NO_X emission rate is 0.06 lb/MMBTU. Most non-ULE flares listed in ***Table 5*** have the same emission rate listed, although some of these are values derived from the hourly emission rates and are not permit limits. Four entries in ***Table 5*** list lower NO_X emission rates:

- An enclosed flare at the Northwest Regional Landfill in Arizona;
- Two open flares at the Atlantic Waste Disposal Landfill in Virginia; and
- The Geer Road Landfill in Stanislaus County California.

The NO_X emission rates of 0.05 lb/MMBTU for the two flares at the Atlantic Disposal Landfill are not permit limits, but are inferred from emission rate information and are therefore not BACT or LAER limits. Furthermore, emissions from open flares cannot be verified through testing, so these emission rates cannot be demonstrated in practice.

The NO_X emissions limit for the enclosed flare at the Geer Road Landfill is listed as 0.05 lb/MMBTU. Based on the San Joaquin Air Quality Management District's (SJAQMD) BACT guidance, the SJAQMD considers 0.06 lb/MMBTU as achievable in practice. The NO_X limit for the Geer Road Landfill flare is what SJAQMD considers technologically feasible. Based on data from the RBLC Clearinghouse, the listed flare is permitted at an estimated average flow rate of about 700 scfm, meaning that it is either much smaller than the proposed backup flares or it is permitted for a reduced capacity. Furthermore, there is no corresponding CO limit, so the flare can be operated to minimize NO_X emissions at the expense of higher CO emissions.

The NO_X emissions limit for the enclosed flare at the Northwest Regional Landfill is 0.041 lb/MMBTU and it has been tested to show compliance with this limit. According to the manufacturer of the flare, Perennial Energy, flare performance in desert climates is substantially different than flare performance in the eastern United States, and this flare would not be able to achieve the same emission levels at the project site.

John Zink, the manufacturer of the proposed flare, bases it warranties on the wide range of conditions that could be encountered in the operation of a flare at a landfill, including variations in the gas quality and operating conditions. Thus, while some individual flares may achieve lower emissions in practice, such emissions cannot be guaranteed in advance. Based on the manufacturer's warranties, the proposed BACT for level for NO_X is 0.06 lb/MMBTU for the backup flares and 0.025 lb/MMBTU for the regen flare.

3.3 CO

The proposed facility is subject to BACT for CO. The CO emission limits in ***Table 5*** range from 0.010 lb/MMBTU to 0.55 lb/MMBTU. Nine of the flares listed in ***Table 5*** have CO emission levels lower than the manufacturer's warranty for the backup flares and five flares have a CO emission level lower than the proposed regen flare. These are discussed below.

The two flares at the Atlantic Waste Disposal Landfill do not have lb/MMBTU limits for CO and are open flares, so the emission levels are not verifiable and cannot be considered demonstrated in practice.

The flare at the MCUA site is also an open flare whose emissions cannot be verified.

The flare at the North of River Sanitary District does not have an emission limit in lb/MMBTU. The CO emission level listed in ***Table 5*** is a calculated value, rather than a BACT limit. This flare fires digester gas and appears to be much smaller (120 scfm based on a heat input of 5.4 MMBTU/hr) than the proposed flares. Because digester gas has a higher and less variable methane content and lower CO_2 content than landfill gas, combustion conditions for digester gas can be very different from landfill gas. Based on these differences, CO emissions from this flare are not directly comparable to the proposed flares.

The enclosed flare at the Edgeboro Disposal site has a reported CO emission level of 0.10 lb/MMBTU, but it has a NO_X emission level of 0.08 lb/MMBTU. Based on the data provided in the RBLC, these appear to be calculated values, not emission limits, so the lb/MMBTU levels do not represent BACT limits. Furthermore, like many combustion devices, there is a tradeoff between NO_X and CO emissions. The proposed backup flares will have lower guaranteed NO_X emission rate and a higher guaranteed CO emission rate. The CO emission level in the proposed backup flare can be reduced by increasing the flare operating temperature, but the NO_X emission rate will increase. Because NO_X is a non-attainment pollutant, higher CO emissions represent an acceptable tradeoff for lower NO_X emissions.

The emission levels at for the enclosed flare(s) at the Fresh Kills landfill represent a similar tradeoff. The CO emission limit is lower, but the NO_X emission limit is higher than the proposed backup flares.

Two flares operated by the Los Angeles Bureau of Sanitation have reported CO limits of 0.017 lb/MMBTU. Tests to verify compliance were performed at only 40 to 60 percent of full load, and the South Coast Air Quality Management District BACT entry for these flares indicate that these CO limits are low may not be achievable under all conditions. Therefore, this CO limit has not been demonstrated as achievable in practice for the full range of conditions likely to be encountered.

The CO emissions limit for the enclosed flare at the Northwest Regional Landfill is 0.13 lb/MMBTU and it has been tested to show compliance with this limit at approximately 70 percent of capacity. According to the manufacturer of the flare, Perennial Energy, flare performance in desert climates is substantially different than flare performance in the eastern United States, and this flare would not be able to achieve the same emission levels at the project site.

John Zink, manufacturer of the proposed flare, bases it warranties on the wide range of conditions that could be encountered in the operation of a flare at a landfill, including variations in the gas quality and operating conditions. Thus, while some individual flares may achieve lower emissions, such emissions cannot be guaranteed in advance. Based on the manufacturer's warranties, the proposed BACT for level for CO is 0.20 lb/MMBTU for the backup flares and 0.06 lb/MMBTU for the regen flare.

3.4 VOC

LAER is required for VOC emissions from the project. The proposed regen flare pre-mixes the combustion air and fuel, which results in higher destruction efficiency than conventional flares. The VOC emission rate in lb/MMBTU is site specific for landfill gas flares, and it is not a reasonable basis for comparison with other sites. However, the vendor's guaranteed destruction efficiency for the regen flare exceeds the requirements of the New Source Performance Standard (NSPS) for landfills at 40 CFR 60, Subpart WWW of 98 percent destruction for NMOC (Non-methane organic carbon, the regulated pollutant under the NSPS), and is equivalent to or higher than the destruction efficiency for any entry listed in ***Table 5***.

The backup flares will operate intermittently, and only when an engine, turbine or the regen flare is not operating. Therefore, conventional (non-premix) flares have been proposed for the backup flares for better reliability. The manufacturer's guaranteed destruction VOC efficiency of 98 percent is equivalent to the destruction efficiency of the conventional flares listed in ***Table 5***.

The proposed LAER for VOC is 99 percent destruction for the regen flare and 98 percent destruction for the backup flares.

3.5 SO_X

SO_X emissions depend on the sulfur content of the gas. Landfill gas fired in all three of the proposed flares will be treated to remove sulfur. The sulfur removal system is described in the original application.

3.6 PARTICULATE MATTER

Particulate matter emissions arise from incomplete combustion, particulate matter present in the combustion air, and solid and condensable materials in the fuel gas. Oxidation of siloxanes to silica will also contribute to particulate emissions, especially for the regen flare or when a backup flare is being used as backup to the regen flare.

Table 5 lists particulate emission limits ranging from 0.008 lb/MMBTU to 0.042 lb/MMBTU. None of the particulate matter emission limits in ***Table 5*** is based on add-on control equipment. However, BACT guidance from the Bay Area Air Quality Management District (BAAQMD) indicates that BACT for a landfill gas-fired flare is a fuel filter and a knockout, and it is likely that many of the flares listed in ***Table 5*** include similar pre-treatment steps.

Landfill gas fired in the proposed flares will pass through preliminary treatment steps equivalent to a fuel filter and a knockout, as well as sulfur removal. Therefore, the proposed flares will have equivalent technology to the BAAQMD guidance. Emission rates from the proposed flares cannot be compared directly to the flares listed in ***Table 5*** because the siloxane removal system will contribute additional particulate matter.

The proposed BACT for particulate matter is treatment equivalent to a fuel filter and knockout.

3.7 HCL

HCl is a secondary pollutant arising from the small amount of chlorinated compounds present in landfill gas, including chlorinated solvents and refrigerants. In the combustion process, the chlorine in the landfill gas is converted to HCl. For the purposes of estimating emissions, it is assumed that 100 percent of the chlorine present in the landfill gas is converted to HCl. No emission limits, BACT/LAER determinations, policies or guidance documents relative to HCl emissions from the combustion of landfill gas were found in the BACT/LAER review. Due to the low HCl concentration and high volume of exhaust gas, add-on controls for HCl are not feasible.

4.0 REVISED AMBIENT IMPACT ASSESSMENT

4.1 GENERAL APPROACH

It was necessary to update the ambient impact assessment to include the proposed flares. All modeling was performed in the manner described in the original application, except as follows:

- The proposed flares were included in the modeling;
- Another polar grid with receptor rings at 25-meter intervals out to 500 meters was added to address impacts from the flares, because the gas-treatment site where the flares will be located is in the middle of the two polar grids centered on the turbine plant site and the Stage 2; and
- The auxiliary cooling tower location has been corrected to be at the gas treatment plant site instead of the turbine plant site.

Both the regen flares and backup flares were modeled at full load and worst-case load with all turbines and engines operating to simplify the analysis and allow maximum operating flexibility for the backup flares. This is a conservative approach, because the backup flares will not operate unless another device is not operational.

4.2 WORST-CASE LOAD

Worst-case load for the turbines was evaluated by modeling the three flares for various load conditions using AERMOD with five years of meteorological data. The receptor grid consisted of a polar grid with receptors at each 10º radial at distances of 25, 50, 75, 100, 150, 200, 250, 300, 350, 400, 500, 600, 700, 800, 900, 1000, 1200, 1400, 1600, 1800, 2000, 2400, 2800, 3200, 3600, and 4000 meters. To simulate the various load conditions, the exhaust flow and emission rate were varied to correspond to 100 percent, 75 percent, 50 percent, 40 percent, 35 percent and 25 percent of full load for the backup flares and 100 percent, 75 percent, 50 percent, 40 percent and 20 percent of the full load condition for the regen flare.

Results of this evaluation are summarized in ***Table 6*** for the backup flares and ***Table 7*** for the regen flare, with detailed results provided in ***Appendix C***. Based on the results of this evaluation, worst-case load for the backup flares varies from 25 to 40 percent load, depending on the averaging period. The 25 percent load condition is the most prevalent and is the worst-case load condition for the most critical averaging periods (i.e., 24-hour and annual). Therefore, the

25 percent load condition was selected as the worst-case load and the backup flares were modeled at 100 percent and 25 percent load.

Worst-case load for the regen flare is the 100 percent load condition for all averaging periods, except the annual period, where it is 40 percent. The regen flare was modeled at 100 percent load and 40 percent load.

4.3 GOOD ENGINEERING PRACTICE STACK HEIGHT

Building dimensions for the most significant structures at the gas treatment site where the proposed flares will be located were input to the BPIP Prime model to generate revised direction-specific building dimensions for the modeling.

4.4 SIGNIFICANT IMPACT AREA

The significant impact area was determined by modeling turbines and the flares. The significant impact area was determined by the area within a radius corresponding to the furthest distance from the turbines at which the second high concentration (short-term) or high concentration (annual) exceeded the significant impact level. The significant impact levels, ambient impacts of the proposed facility, and radius of impact for each pollutant and averaging period are presented in ***Table 8***. The modeling results for NO_2 reflect a default NO_2/NO_X ratio of 75 percent, in accordance with guidance in 40 CFR 51, Appendix W.

The proposed flares result in an increased radius of impact compared to the turbines alone, primarily because the radius of impact is relative to the turbine location and the flares are approximately 0.7 kilometers west of the turbine site. However, the impact areas are less than one kilometer for all pollutants except NO_X and remain well within the limits of the receptor network.

4.5 SOURCE CHARACTERISTICS

Source parameters for modeling are presented in ***Table 9.*** For toxic air pollutants, only the emissions from the Ridgewood facilities were modeled, consistent with RIDEM policy. With the exception of the location of the auxiliary cooling tower and the proposed flares, there were no changes to the modeled source parameters.

4.6 RECEPTORS

A supplemental grid of radial receptors placed at 25 meter and 10 degree intervals, extending out 500 meters was added to the original receptor network to account for flare impacts. Receptors within the landfill boundaries were not included. Beyond 500 meters, the two radial receptor grids included in the original modeling provide sufficient coverage.

4.7 AMBIENT AIR MONITORING WAIVER

Under the PSD program, pre-construction air monitoring can be required for pollutants for which the project results in a significant net emissions increase, depending on the predicted ambient impacts of the proposed facility and the availability of representative monitoring data to assure compliance with the National Ambient Air Quality Standards (NAAQS) and PSD allowable increments.

Air monitoring is not required if the emissions increase from the new or modified stationary source will not result in impacts exceeding certain levels as listed in RIAPC Regulation 9.5.2(b)(2)(d). Ambient impacts for the proposed turbines are compared to the applicable monitoring waiver concentrations in ***Table 10***. From the data presented in ***Table 10***, monitoring is not required for any pollutant.

It should be noted that in the original analysis, the PM_{10} impacts exceeded the monitoring waiver concentration. Due to the correction in the location the auxiliary cooling tower, impacts for all pollutants are now predicted to be below the monitoring waiver concentration.

4.8 MODELING RESULTS

Detailed listings of modeling results are provided in ***Appendix E***. The results are summarized below.

4.8.1 Criteria Pollutants Modeling Results

The results of the increment consumption analysis are presented in ***Table 11***. The analysis included SO_2, PM_{10}, and NO_2. There are no increment limits for CO.

The results presented in ***Table 11*** indicate that the impacts are below the allowable PSD increments. Because the facility is a major modification for NO_X, SO_2 and CO, the increment consumed by the proposed modification is further limited by RIAPC Regulation 9 to 25 percent of the remaining increment annual increment and 75 percent of the remaining 24-hour increment for each of these pollutants. The proposed modification meets these requirements as well.

A comparison of the predicted ambient impacts with the NAAQS is presented in ***Table 12***. The results indicate that the predicted ambient impacts from background and point sources do not exceed any applicable NAAQS.

The ambient impact assessment, as presented in ***Tables 11 and 12*** indicates that the proposed CTCC facility will not cause or contribute to a violation of any NAAQS or PSD allowable increment.

4.8.2 Air Toxics Modeling Results

Results of the air toxics modeling for the constituents of landfill gas, HCl, and ammonia are presented in ***Table 13***. Ambient impacts from the Ridgewood facilities are less than the applicable Ambient Air Limits (AALs) for all toxic air pollutants.

5.0 ADDITIONAL IMPACTS ANALYSIS FOR PSD

5.1 VISIBILITY IMPACTS

The visibility impact assessment has been updated based on the revised potential emissions shown in ***Table 2***. The results of the visibility screening indicate that no visibility impairment in the closest Class I air quality area is expected as a result of the project. The VISCREEN summary output is provided in ***Appendix F***.

5.2 SOILS AND VEGETATION IMPACTS

Based on the revised modeling, revised impacts of the project on soils and vegetation are presented in ***Table 14***. These results are not substantially different than the results submitted with the original application.

6.0 EMISSIONS OFFSETS

Emissions offsets are required for each non-attainment pollutant for which there is a significant net emissions increase. The offsets must be provided at a ratio of 1.2 to 1. A revised offset calculation is provided in ***Appendix B***. The revised calculation indicates that 116 NO_X offsets and 36 VOC offsets must be obtained for the project. The applicant has procured an option to purchase 117 NO_X offsets, which have been reviewed and found to be acceptable by the Office of Air Resources. The applicant expects to obtain VOC offsets from the operator of the Central Landfill, Rhode Island Resource Recovery Corporation, which holds sufficient excess offsets to meet the requirements of this project.

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TABLES

TABLE 1
EMISSION RATES FOR PROPOSED FLARES

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Regen Flare		Backup Flares		
	Emission Rate (lb/hr)	Emission Rate (tons/yr)	Emission Rate for One Flare (lb/hr)	Emission Rate for Two Flares (lb/hr)	Emission Rate for Two Flares (tons/yr)
NO_X[1]	0.52	2.28	5.94	11.88	52.03
CO[1]	1.25	5.46	19.80	39.60	173.45
PM_{10}	1.08	4.73	1.66	3.33	14.57
SO_2	0.64	2.80	3.04	6.08	26.62
VOC[1]	0.31	1.34	0.82	1.63	7.16
H_2S	0.007	0.03	0.032	0.065	0.28
HCl[2]	0.046	0.20	0.22	0.44	1.94

Notes:
1. NO_X and CO emissions are based on manufacturer's warranties.
2. HCl emission levels are based on landfill gas characteristics and may vary. Landfill gas characteristics are beyond Ridgewood's control.
3. H_2S and SO_2 emissions are based on 100 ppm sulfur in the landfill gas after sulfur removal.
4. Supporting calculations are provided in ***Appendix B***.

TABLE 2
POTENTIAL EMISSIONS FOR PROPOSED CTCC FACILITY

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Emission Rate Per Turbine (tons/yr)	Emission Rate for Five Turbines (tons/yr)	Emission Rate for Cooling Towers (tons/yr)	Emission Rate for Flares (tons/yr)	Annual Emissions for CTCC Facility (tons/yr)
NO_X	31.82	159.10	-	3.00	162.1
CO	139.47	697.37	-	8.37	705.7
PM_{10}	7.62	38.09	1.21	4.73	44.0
SO_2	10.81	54.07	-	2.80	56.9
VOC	7.98	39.91	-	1.65	41.6
NH_3	9.42	47.11	-	-	47.1
H_2S	0.12	0.58	-	0.03	0.6
HCl	0.79	3.94	-	0.20	4.1

Notes:
1. Backup flare emissions are lower than the devices they provide backup destruction capacity for, except NO_X, CO and VOC from the regen flare. Therefore, the backup flares do not increase potential emissions, except for NO_X, CO, and VOC emissions when used as a backup to the regen flare.
2. Potential emissions from the flares are based on the regen flare emissions, except for NO_X, CO, and VOC, where potential emissions are based on the backup flares being used in place of the regen flare for 2000 hours per year.
3. Supporting calculations are provided in ***Appendix B***.

TABLE 3
TOXIC AIR POLLUTANT EMISSIONS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	CAS Number	HAP	TAP	Mol. Weight	Conc. in Gas (ppm)	Proposed Turbines		Stage 1 Engines		Stage 2 Engines		Regen Flare		Total Annual Emissions (tons/yr)
						Hourly Emission Rate (lb/hr)	Annual Emission Rate (tons/yr)	Hourly Emission Rate (lb/hr)	Annual Emission Rate (tons/yr)	Hourly Emission Rate (lb/hr)	Annual Emission Rate (tons/yr)	Hourly Emission Rate (lb/hr)	Annual Emission Rate (tons/yr)	
Landfill Gas Consumption (scf/hr)						800,400	731,200	49,204	49,204	121,903	121,903	134,952	134,952	-
Destruction Efficiency						98%	98%	98%	98%	98%	98%	98%	98%	-
Methane	NA			16.03	500,000	338.1	1352.8	20.8	91.0	51.5	225.5	57.0	249.7	1919.1
1,1 Dichloroethane	75-34-3	x	x	98.97	0.22	0.0009	0.0036	0.0001	0.0002	0.0001	0.0006	0.00015	0.0007	0.0051
1,4-Dichlorobenzene	106-46-7	x	x	147.01	0.21	0.0013	0.0052	0.0001	0.0004	0.0002	0.0009	0.0002	0.0010	0.0074
2-Propanol	67-63-0		x	60.11	6.13	0.0155	0.0622	0.0010	0.0042	0.0024	0.0104	0.0026	0.0115	0.0882
Acetone	67-64-1		x	58.08	18.70	0.0458	0.1833	0.0028	0.0123	0.0070	0.0306	0.0077	0.0338	0.2601
Benzene	71-43-2	x	x	78.11	1.20	0.0040	0.0158	0.0002	0.0011	0.0006	0.0026	0.0007	0.0029	0.0224
Carbon Disulfide	75-15-0	x	x	76.14	3.39	0.0109	0.0436	0.0007	0.0029	0.0017	0.0073	0.0018	0.0080	0.0618
Chlorodifluoromethane	75-45-6		x	86.47	3.06	0.0112	0.0447	0.0007	0.0030	0.0017	0.0074	0.0019	0.0082	0.0634
cis-1,2-Dichloroethene	156-59-2		x	96.94	0.55	0.0022	0.0090	0.0001	0.0006	0.0003	0.0015	0.0004	0.0017	0.0128
Cyclohexane	110-82-7		x	84.16	2.12	0.0075	0.0301	0.0005	0.0020	0.0011	0.0050	0.0013	0.0056	0.0427
Ethylbenzene	100-41-4	x	x	106.16	6.67	0.0299	0.1195	0.0018	0.0080	0.0045	0.0199	0.0050	0.0221	0.1695
Hexane	110-54-3	x	x	86.17	3.49	0.0127	0.0508	0.0008	0.0034	0.0019	0.0085	0.0021	0.0094	0.0720
Methylene Chloride	75-09-2	x	x	89.94	0.57	0.0022	0.0087	0.0001	0.0006	0.0003	0.0014	0.0004	0.0016	0.0123
Methylethyl Ketone	78-93-3		x	72.11	9.63	0.0293	0.1172	0.0018	0.0079	0.0045	0.0195	0.0049	0.0216	0.1663
Methylisobutyl ketone	108-10-1	x	x	100.16	0.77	0.0033	0.0130	0.0002	0.0009	0.0005	0.0022	0.0005	0.0024	0.0185
Styrene	100-42-5	x	x	104.20	0.66	0.0029	0.0116	0.0002	0.0008	0.0004	0.0019	0.0005	0.0021	0.0165
Tetrachloroethene	127-18-4	x	x	165.83	0.87	0.0061	0.0244	0.0004	0.0016	0.0009	0.0041	0.0010	0.0045	0.0345
Toluene	108-88-3	x	x	92.13	32.47	0.1262	0.5049	0.0078	0.0340	0.0192	0.0842	0.0213	0.0932	0.7163
Trichloroethene	79-01-6	x	x	131.40	0.49	0.0027	0.0109	0.0002	0.0007	0.0004	0.0018	0.0005	0.0020	0.0154
Trichlorofluoromethane	75-69-4		x	137.38	1.56	0.0090	0.0362	0.0006	0.0024	0.0014	0.0060	0.0015	0.0067	0.0513
Vinyl Chloride	75-01-4	x	x	62.47	0.68	0.0018	0.0072	0.0001	0.0005	0.0003	0.0012	0.0003	0.0013	0.0102
Xylenes	1330-20-7	x	x	106.16	17.78	0.0796	0.3186	0.0049	0.0214	0.0121	0.0531	0.0134	0.0588	0.4519
Hydrogen Chloride		x	x	36.46	12.79	0.9836	3.9355	0.0605	0.2648	0.1498	0.6561	0.1658	0.7264	5.5828
Hg	7439-97-6	x	x	200.59	0.011	0.00465	0.0186	0.00029	0.0013	0.00071	0.0031	0.00078	0.0034	0.0264
Hydrogen Sulfide	7783-06-4		x	34.08	100	0.1438	0.5752	0.0088	0.0387	0.0219	0.0959	0.0242	0.1062	0.8160
TOTAL HAP							5.09		0.34		0.85		0.94	7.22

Notes:

1. Landfill gas constituent concentrations, are based upon the highest quarterly average concentration measured during the first three calendar quarters of 2007 at Ridgewood's Stage 2 facility. The following analytes were not detected during this period: acrylonitrile, bromodichloromethane, carbon tetrachloride, carbonyl sulfide, chlorobenzene, chloroform, trans-1,2-dichloroethene, chloroethane, 1,2-dichloroethane, chloromethane, 1,1,1-trichloroethane, 1,2-dichloropropane, 1,1,2,2-tetrachloroethane, 1,1 -dichloroethene, and mercury.
2. The estimated destruction efficiency for landfill gas control devices is 98 percent. The guaranteed destruction efficiency for the regen flare is 99 percent. However, to account for emissions when the regen flare is not operating, the control efficiency corresponding to the backup flare - 98 percent - has been used in emission calculations.

TABLE 4
MAJOR MODIFICATION APPLICABILITY DETERMINATION

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Program	Proposed CTCC Facility Potential Emissions (tons/yr)	Significant Emissions Threshold (tons/yr)	Is Proposed Modification Significant?
NO_X	PSD/NNSR	162.1	25	Yes
CO	PSD	705.7	100	Yes
PM_{10}	PSD	44.0	15	Yes
SO_2	PSD	56.9	40	No (See Note 5)
VOC	PSD/NNSR	41.6	25	Yes
H_2S	PSD	0.6	10	No (See Note 6)
HCl	NA	4.1	NA	NA

Notes:
1. HCl emission levels are based on landfill gas characteristics and may vary. Landfill gas characteristics are beyond Ridgewood's control.
2. Supporting calculations are provided in ***Appendix B***.
3. HCl is a hazardous air pollutant and is not subject to regulation under the PSD or Non-attainment NSR programs.
4. Emission reductions from the removal of the RPPP plant are not reflected here. Thereare no other creditable increases or decreases.
5. The emissions reduction from removing the existing RPPP plant exceeds the increase attributable to this project. See offset calulation sheet in ***Appendix B*** for actual emissions data.
6. The emissions reductions from removing the existing RPPP plant and adding a sulfur removal system exceed the increase attributable to this project. See ***Appendix B*** for supporting calculations.

TABLE 5
BACT/LAER SUMMARY FOR LANDFILL FLARES

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Data Source	ID	Company/Project	Permit Date	Flare Type	Source of Gas	Use	NOx	CO	VOC	PM_{10}	Comments
INDIVIDUAL BACT/LAER DETERMINATIONS FOR LANDFILL OR DIGESTER GAS FLARES											
RBLC	NH-0014	UNH LFG Pipeline	7/25/2007	Open	Landfill	Backup/ Supplemental	0.068 lb/MMBTU	0.37 lb/MMBTU	-	0.042 lb/MMBTU	All limits are 3-hour averages. Open flare emissions not verifiable.
RBLC	NE-0020	IBP Dakota City	6/22/2004	Unknown	Digester	Primary	0.22 lb/MMBTU	0.55 lb/MMBTU	-	-	lb/MMBTU are calculated and are not limits
RBLC	AZ-0042	Northwest Regional Landfill	10/27/2003	Enclosed	Landfill	Primary	0.041 lb/MMBTU	0.13 lb/MMBTU	-	-	
RBLC	WI-0204	United Wisconsin Grain Producers	8/14/2003	Unknown	Digester	Backup		0.375 lb/MMBTU	0.3 lb/hr	0.0090 lb/MMBTU	Emissions in lb/MMBTU are calculated and are not limits
RBLC	VA-0294	WM Atlantic Waste Disposal Landfill	2/5/2003	Open	Landfill	Unknown	0.051 lb/MMBTU	0.017 lb/MMBTU	98% Removal	0.022 lb/MMBTU	Emissions in lb/MMBTU are calculated and are not limits. Open flare emissions not verifiable.
				Open	Landfill	Unknown	0.05 lb/MMBTU	0.017 lb/MMBTU	98% Removal	0.020 lb/MMBTU	Emissions in lb/MMBTU are calculated and are not limits. Open flare emissions are not verifiable.
RBLC	CA-1008	LA Bureau of Sanitation	3/29/2001	Enclosed	Landfill	Unknown	0.06 lb/MMBTU	0.010 lb/MMBTU	-	6.1 lb/MMscf	Notes indicate CO limit may not be achievable
	CA-1066	LA Bureau of Sanitation	3/29/2001	Enclosed	Landfill	Unknown	0.06 lb/MMBTU	0.010 lb/MMBTU	-	6.1 lb/MMscf	Notes indicate CO limit may not be achievable under all conditions.
RBLC	CO-0046	Excel Corp., Fort Morgan	4/27/2000		Digester	Backup	-	-	-	-	No individual limits on flare
RBLC	NJ-0053	MCUA	3/9/1999	Open	Landfill	Backup	0.06 lb/MMBTU	0.18 lb/MMBTU	0.038 lb/MMBTU 98% Removal		Open flare emissions not verifiable. Gas condensate and particulate removal prior to flaring.
RBLC	NY-0900	Fresh Kills Landfill	7/6/1998	Enclosed	Landfill	Unknown	0.079 lb/MMBTU	0.16 lb/MMBTU	98% Removal	0.055 lb/MMBTU	
RBLC	CA-0843	Minnesota Methane Tajiuas	1/9/1998	Enclosed	Landfill	Backup	0.06 lb/MMBTU		19 ppmvd	0.008 lb/MMBTU	
RBLC	CA-0752	Stockton Municipal Utilities Dept.	11/22/1996	Unknown	Digester	Unknown	0.06 lb/MMBTU	0.30 lb/MMBTU	0.03 lb/MMBTU	0.02 lb/MMBTU	
RBLC	NJ-0032	Edgeboro Disposal	12/14/1995	Enclosed	Landfill	Unknown	0.08 lb/MMBTU	0.10 lb/MMBTU	-	-	
				Open	Landfill	Unknown	0.08 lb/MMBTU	0.20 lb/MMBTU	-	-	Open flare emissions not verifiable.
RBLC	CA-0680	Geer Rd Landfill, Stanislaus County	10/3/1995	Enclosed	Landfill	Unknown	0.05 lb/MMBTU	-	-	0.10 lb/MMBTU	NO_X limit is what SJAQMD considers technologically feasible. 0.06 lb/MMBTU has been achieved in practice or in SIP.
RBLC	CA-0508	North of River Sanitary District	5/29/1992	Enclosed	Digester	Supplemental/ Backup	0.06 lb/MMBTU	0.033 lb/MMBTU	0.0093 lb/MMBTU	-	Emissions in lb/MMBTU for CO an VOC are calculated and are not limits.
RBLC	CT-0100	Yaworski	5/18/1992	Enclosed	Landfill	Unknown		6.4 lb/hr	98% removal	0.2 lb/hr	
RBLC	CA-0438	BFI of California	2/22/1991		Landfill	Unknown	0.06 lb/MMBTU	-	-	-	
RBLC	CA-0440	Monterey Landfill Gas Corp.	2/15/1991	Enclosed	Landfill	Primary	0.06 lb/MMBTU	0.4 lb/MMBTU	20 lb/dy 98% Removal	-	
CARB	980163	Sycamore Landfill		Enclosed	Landfill	Unknown	-	-	20 ppmv @ 3% O2	-	
OTHER INSTALLATIONS											
GZA	-	Central Landfill	6/26/1905	Enclosed, ULE	Landfill	Primary	0.025 lb/MMBTU	0.06 lb/MMBTU	99% Removal	-	Based on manufacturer's warranties.
GZA	-	Waste Management of NH, TREE	2001, 2006	Enclosed, ULE	Landfill	Primary	0.025 lb/MMBTU	0.06 lb/MMBTU	-	0.018 lb/MMBTU	Emission limits are in lb/hr. Emission levels for CO and NO_X are based on manufacturer's warranties and for PM, manufacturer's recommendation (not guaranteeed).

TABLE 6
WORST CASE LOAD ANALYSIS FOR BACKUP FLARES

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Input Parameters			Maximum Impact ($\mu g/m^3$)
Load Level	**Exhaust Flow rate (acfm)**	**Emission Rate (lb/hr)**	
1-Hour Average			
100%	169,522	1	111.40
75%	127,141	0.75	135.71
50%	84,761	0.5	168.29
40%	67,809	0.4	**187.66**
35%	59,333	0.35	184.84
25%	42,380	0.25	169.37
3-hour Average			
100%	169,522	1	91.22
75%	127,141	0.75	106.38
50%	84,761	0.5	135.58
40%	67,809	0.4	141.81
35%	59,333	0.35	136.50
25%	42,380	0.25	**142.86**
8-hour Average			
100%	169,522	1	69.91
75%	127,141	0.75	78.80
50%	84,761	0.5	108.18
40%	67,809	0.4	**124.11**
35%	59,333	0.35	121.10
25%	42,380	0.25	118.30
24-hour Average			
100%	169,522	1	32.90
75%	127,141	0.75	49.54
50%	84,761	0.5	59.90
40%	67,809	0.4	62.77
35%	59,333	0.35	69.74
25%	42,380	0.25	**84.36**
Annual Average			
100%	169,522	1	1.40
75%	127,141	0.75	2.03
50%	84,761	0.5	4.43
40%	67,809	0.4	5.64
35%	59,333	0.35	6.21
25%	42,380	0.25	**8.56**

Notes:
1. Worst-case load and cavity screening analysis performed using the AERMOD model.

TABLE 7
WORST CASE LOAD ANALYSIS FOR REGEN FLARE

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Input Parameters			Maximum Impact ($\mu g/m^3$)
Load Level	**Exhaust Flow rate (acfm)**	**Emission Rate (lb/hr)**	
1-Hour Average			
100%	44,594	1	**41.70**
75%	33,446	0.75	38.38
50%	22,297	0.5	34.35
40%	17,838	0.4	30.02
20%	8,919	0.2	21.60
3-hour Average			
100%	44,594	1	**37.03**
75%	33,446	0.75	34.59
50%	22,297	0.5	29.82
40%	17,838	0.4	26.57
20%	8,919	0.2	18.72
8-hour Average			
100%	44,594	1	**32.51**
75%	33,446	0.75	29.07
50%	22,297	0.5	24.67
40%	17,838	0.4	22.97
20%	8,919	0.2	16.83
24-hour Average			
100%	44,594	1	**21.22**
75%	33,446	0.75	20.20
50%	22,297	0.5	19.46
40%	17,838	0.4	17.17
20%	8,919	0.2	13.21
Annual Average			
100%	44,594	1	1.84
75%	33,446	0.75	1.83
50%	22,297	0.5	2.02
40%	17,838	0.4	**2.07**
20%	8,919	0.2	1.89

Notes:
1. Worst-case load and cavity screening analysis performed using the AERMOD model.

TABLE 8
CRITERIA POLLUTANT IMPACTS OF PROPOSED CTCC FACILITY

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Averaging Time	Ambient Impact of Proposed Facility ($\mu g/m^3$)	Significance Level ($\mu g/m^3$)	Exceeds Significance Level?	Significant Impact Area (Km)
NO_2	Annual	3.0 *	1	Yes	1.2
CO	1-Hour	297	2,000	No	0.0
	8-Hour	176	500	No	0.0
SO_2	3-Hour	34	25	Yes	0.8
	24-Hour	13.0	5	Yes	0.9
	Annual	1.37	1	Yes	0.8
PM_{10}	24-Hour	9.9	5	Yes	0.8
	Annual	2.48	1	Yes	0.3

* Modeling results adjusted to reflect default NO_2 concentration of 75 percent of NO_X concentration, per 40 CFR 51, Appendix W, Section 5.2.4.

Other Notes:
1. Modeling results reflect the impacts of the proposed CTCC plant only.
2. Impacts represent the highest annual or highest, second highest short-term concentration that occurred within five-year period modeled.

TABLE 9
MODELING PARAMETERS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

POINT SOURCES

Emission Point	Landfill Gas Flow Rate (sft^3/min)	Base Elev. (ft MSL)	Stack Height (ft AGL)	Exit Diameter (ft)	Exit Flow Rate (ft^3/min)	Exit Velocity (ft/sec)	Exit Temp. (F)	LFG Control Efficiency	Methane Emission Rate (gm/sec)	HCl Emission Rate (gm/sec)	H_2S Emission Rate (gm/sec)	Hg Emission Rate (gm/sec)	NO_X Emission Rate (gm/sec)	CO Emission Rate (gm/sec)	SO_2 Emission Rate (gm/sec)	PM Emission Rate (gm/sec)
ULE Flare (100% load)	6,000	349	60.00	12.58	397,419	53.3	1500	99%	NA	NA	NA	NA	0.624	1.497	0.766	1.247
ULE Flare (50% load)	3,000	349	60.00	12.58	198,710	26.6	1500	99%	NA	NA	NA	NA	0.312	0.748	0.383	0.624
Remote Flare 1	400	380	25.62 *	2.09 *	13,509 *	65.6 *	1,832 *	98%	NA	NA	NA	NA	0.113	0.615	1.532	0.028
Remote Flare 2	2,000	360	54.72 *	4.67 *	67,545 *	65.6 *	1,832 *	98%	NA	NA	NA	NA	0.565	3.077	1.532	0.140
Remote Flare 3	2,000	395	53.64 *	4.67 *	67,545 *	65.6 *	1,832 *	98%	NA	NA	NA	NA	0.565	3.077	5.106	0.140
Ridgewood Stage 1 (100% Load)	820	411	25.0	1.17	8,649	134.8	880	98%	2.62	0.0076	0.0011	3.60E-05	0.743	3.096	0.105	0.124
Ridgewood Stage 1 (75% Load)	615	411	25.0	1.17	6,487	101.1	880	98%	1.96	0.0057	0.0008	2.70E-05	0.557	2.322	0.078	0.093
Ridgewood Stage 2 (100% load)	2,032	411	38.75	1.33	11,436	136.6	941	98%	6.49	0.0189	0.0028	8.93E-05	1.238	6.811	0.259	0.124
Steam Boiler	NA	316	33.80	2.00	2,209	11.7	400	NA	NA	NA	NA	NA	0.120	0.030	0.172	0.020
FPL1	NA	325	175	19	-	63.3	251	NA	NA	NA	NA	NA	2.33	12.69	1.37	2.27
FPL2	NA	325	175	19	-	63.3	251	NA	NA	NA	NA	NA	2.33	12.69	1.37	2.27
Compost Grinder 1	NA	398	13	0.67	4,907	232.0	814	NA	NA	NA	NA	NA	0.488 **	0.384 **	0.035 **	0.101 **
Compost Grinder 2	NA	398	13.6	0.67	6,074	287.1	899	NA	NA	NA	NA	NA	0.588 **	0.214 **	0.046 **	0.023 **
RecoverMat Grinder	NA	339	10	0.833	5,396	165.0	853	NA	NA	NA	NA	NA	0.482 **	0.443 **	0.039 **	0.120 **
New Turbine Plant (Turbines 1 - 5)	16,008	310	75.0	4.00	61,556	81.6	250	98%	42.60	0.1239	0.0181	5.86E-04	5.01	21.96	1.70	1.20
Main Cooling Tower	NA	310	25.0	16.0	187,680	15.6	80	NA	-	-	-	-	-	-	-	0.0278
Auxiliary Cooling Tower	NA	310	25.0	16.0	185,000	15.3	80	NA	-	-	-	-	-	-	-	0.0069
Regen Flare 100% load	630	326	40.0	4.67	44,594	43.5	1,600	99%	3.59	0.0059	0.0009	2.77E-05	0.065	0.157	0.080	0.1361
Regen Flare 40% load	252	326	40.0	4.67	17,838	17.4	1,600	99%	1.44	0.0023	0.0003	1.11E-05	0.026	0.063	0.032	0.0544
Backup Flares 1 & 2 100% Load	6,000	340	40.0	10.67	169,522	31.6	1,600	98%	19.16	0.0557	0.0081	2.64E-04	1.497	4.990	0.766	0.419
Backup Flares 1 & 2 25% Load	1,500	340	40.0	10.67	42,380	7.9	1,600	98%	4.79	0.0139	0.0020	6.59E-05	0.374	1.247	0.191	0.105

* These parameters were derived using the same method used for flares in the SCREEN3 model. See ***Appendix B*** for notes and calculations.
** These emission rates were modeled for 11 hours per day using the AERMOD model's hour of day emission factor feature, reflecting the operating hour limitations (6:00 AM to 5:00 PM) contained in RIRRC's Host Community Agreement with the Town of Johnston.

TABLE 10
PRE-APPLICATION MONITORING WAIVER

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Averaging Time	Emission Rate (lb/hr)	Proposed CTCC Facility Modeled Impact ($\mu g/m^3$)	Monitoring de minimis Level ($\mu g/m^3$)	Exceeds de minimis?
CO	8-Hour	161.13	176	575	No
NO_2	Annual	37.01	3.0 *	14	No
PM_{10}	24-Hour	10.05	9.9	10	No
Vinyl Chloride	24-Hour	0.0018	0.0014	15	No

* Modeling results adjusted to reflect default NO_2 concentration of 75 percent of NOX concentration, per 40 CFR 51, Appendix W, Section 5.2.4.

Other Notes:

1. Short-term impacts are based on the receptor with the highest, second high concentration in the five-year modeling period. Annual impacts are based on the receptor with the highest annual average concentration in the five-year modeling period.
2. There are no emissions increases for SO_2 or H_2S as a result of this project. Therefore, monitoring is not required for these pollutants.

TABLE 11
INCREMENT CONSUMPTION ANALYSIS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Averaging Time	PSD Allowable Increment ($\mu g/m^3$)	Maximum Total Increment Consumption ($\mu g/m^3$)	Existing Sources Maximum Increment Consumption ($\mu g/m^3$)	Proposed CTCC Facility Maximum Increment Consumption ($\mu g/m^3$)	Increment within Allowable (See Note 5)
NO_2	Annual	25	11.2 *	11.0 *	3.0 *	Yes
SO_2	3-Hour	512	48.3	48.2	34.4	Yes
	24-Hour	91	26.0	26.0	13.0	Yes
	Annual	20	4.7	4.6	1.4	Yes
PM_{10}	24-Hour	30	18.9	18.8	9.9	Yes
	Annual	17	2.7	2.6	2.5	Yes

* Modeling results adjusted to reflect default NO_2 concentration of 75 percent of NO_X concentration, per 40 CFR 51, Appendix W, Section 5.2.4.

Notes:
1. Increment consuming sources include all landfill gas control devices at the Central Landfill, all landfill gas-fired engines, the proposed turbines, flares, and cooling towers, the main boiler at the Central Landfill's administration building and FPL's RISEC facility. Emergency generators and insignificant activities were not evaluated.
2. Impacts represent the highest annual or highest, second high short-term concentration that occurred within five-year period modeled.
3. Detailed modeling results are presented in ***Appendix E***.
4. Because the facility is a major modification , the modification cannot consume more than 25 percent of the remaining annual increment or 75% of the remaining 24-hour increment.

TABLE 12
COMPARISON OF AMBIENT IMPACTS TO NAAQS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Averaging Period	Maximum Modeled Impact for 100% Load ($\mu g/m^3$)	Maximum Modeled Impact for Worst-Case Load ($\mu g/m^3$)	Maximum Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Ambient Impact ($\mu g/m^3$)	NAAQS	In Compliance?
NO_2	Annual	11.2 *	10.5 *	11.2 *	33	44	100	yes
CO	1-Hour	635	551	635	11,106	11,741	40,000	yes
	8-Hour	534	470	534	2,862	3,396	10,000	yes
SO_2	3-Hour	48	48	48	126	174	1300	yes
	24-Hour	26	26	26	63	89	365	yes
	Annual	4.7	4.6	4.7	18	23	80	yes
PM_{10}	24-Hour	19	17	19	54	73	150	yes
	Annual	2.7	2.7	2.7	24	27	50	yes

* Modeling results adjusted to reflect default NO_2 concentration of 75 percent of NO_X concentration, per 40 CFR 51, Appendix W, Section 5.2.4.

Notes:
1. Impacts represent the highest annual or highest, second highest short-term concentration that occurred within five-year period modeled.
2. Background concentration is the highest annual or highest, second highest short-term concentration recorded at any Rhode Island monitoring station in calendar years 2004 - 2006.
3. Total concentration is the sum of the modeled impact and the background concentration.

TABLE 13
TOXIC AIR POLLUTANT IMPACTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	CAS Number	Molecular Weight	Conc. In Landfill Gas (ppm)	Proposed Turbines			All Ridgewood Sources			1-Hour AAL (ug/m^3)	24-Hour AAL (ug/m^3)	Annual AAL (ug/m^3)	Percent of 1-Hour AAL	Percent of 24-Hour AAL	Percent of Annual AAL
				Max. 1-Hour Impact (ug/m^3)	Max. 24-Hour Impact (ug/m^3)	Max. Annual Impact (ug/m^3)	Max. 1-Hour Impact (ug/m^3)	Max. 24-Hour Impact (ug/m^3)	Max. Annual Impact (ug/m^3)						
Methane	NA	16.03	500,000	440.03	271.89	35.97	1,620.43	668.55	79.43	n/a	n/a	n/a	n/a	n/a	n/a
1,1 Dichloroethane	75-34-3	98.97	0.22	0.0012	0.00073	0.00010	0.0043	0.0018	0.00021	n/a	n/a	0.60	n/a	n/a	0.035%
1,4-Dichlorobenzene	106-46-7	147.01	0.21	0.0017	0.0010	0.00014	0.0062	0.0026	0.00031	5,000	800	0.09	0.00012%	0.0003%	0.34%
2-Propanol	67-63-0	60.11	6.13	0.020	0.012	0.0017	0.074	0.031	0.0037	3,000	n/a	n/a	0.002%	n/a	n/a
Acetone	67-64-1	58.08	18.70	0.060	0.037	0.0049	0.220	0.091	0.011	60,000	30,000	n/a	0.0004%	0.0003%	n/a
Benzene	71-43-2	78.11	1.20	0.0051	0.0032	0.00042	0.019	0.0078	0.00093	200	30	0.10	0.009%	0.026%	0.93%
Carbon Disulfide	75-15-0	76.14	3.39	0.014	0.0088	0.0012	0.052	0.022	0.0026	6,000	n/a	700	0.001%	n/a	0.000%
Chlorodifluoromethane	75-45-6	86.47	3.06	0.015	0.0090	0.0012	0.053	0.022	0.0026	n/a	50,000	n/a	n/a	0.00004%	n/a
cis-1,2-Dichloroethene	156-59-2	96.94	0.55	0.0029	0.0018	0.00024	0.011	0.0044	0.00053	3,000	1,000	n/a	0.0004%	0.0004%	n/a
Cyclohexane	110-82-7	84.16	2.12	0.010	0.0061	0.00080	0.036	0.015	0.0018	n/a	6,000	n/a	n/a	0.0002%	n/a
Ethylbenzene	100-41-4	106.16	6.67	0.039	0.024	0.0032	0.143	0.059	0.0070	n/a	1,000	n/a	n/a	0.006%	n/a
Hexane	110-54-3	86.17	3.49	0.017	0.010	0.0013	0.061	0.025	0.0030	n/a	n/a	200	n/a	n/a	0.001%
Methylene Chloride	75-09-2	89.94	0.57	0.0028	0.0017	0.00023	0.010	0.0043	0.00051	2,000	1,000	2.00	0.0005%	0.0004%	0.025%
Methylethyl Ketone	78-93-3	72.11	9.63	0.038	0.024	0.0031	0.140	0.058	0.0069	10,000	5,000	n/a	0.0014%	0.001%	n/a
Methylisobutyl ketone	108-10-1	100.16	0.77	0.0042	0.0026	0.00035	0.016	0.0064	0.00076	n/a	3,000	n/a	n/a	0.0002%	n/a
Styrene	100-42-5	104.20	0.66	0.0038	0.0023	0.00031	0.014	0.0057	0.00068	20,000	1,000	100	0.00007%	0.0006%	0.001%
Tetrachloroethylene	127-18-4	165.83	0.87	0.0079	0.0049	0.00065	0.029	0.012	0.0014	1,000	n/a	0.20	0.0029%	n/a	0.71%
Toluene	108-88-3	92.13	32.47	0.164	0.101	0.013	0.605	0.250	0.030	4,000	400	300	0.015%	0.062%	0.010%
Trichloroethylene	79-01-6	131.40	0.49	0.0035	0.0022	0.00029	0.013	0.0054	0.00064	10,000	500	0.50	0.0001%	0.001%	0.13%
Trichlorofluoromethane	75-69-4	137.38	1.56	0.012	0.0073	0.0010	0.043	0.018	0.0021	n/a	1,000	n/a	n/a	0.0018%	n/a
Vinyl Chloride	75-01-4	62.47	0.68	0.0023	0.0014	0.00019	0.0086	0.0035	0.00042	1,000	100	0.20	0.0009%	0.004%	0.21%
Xylenes	1330-20-7	106.16	17.78	0.104	0.064	0.0085	0.382	0.157	0.019	4,000	3,000	100	0.010%	0.005%	0.019%
Hydrogen Chloride	7647-01-0	36.46	12.79	1.280	n/a	0.105	4.536	n/a	0.214	2,000	n/a	9.00	0.227%	n/a	2.4%
Hydrogen Sulfide	7783-06-4	34.08	100	0.187	0.116	0.015	0.661	0.267	0.032	40	30	10	1.65%	0.889%	0.32%
Mercury	7439-97-6	200.59	0.011	0.0061	0.0037	0.00049	0.0215	0.0088	0.0011	2	0.3	0.009	1.075%	2.943%	11.67%
Ammonia	7664-41-7	17.03	n/a	15.324	9.468	1.253	15.324	9.468	1.253	1,000	100	70	1.5%	9.468%	1.8%

Notes:
1. Landfill gas emissions were modeled using methane as a surrogate and multiplying the methane modeling results by the ratio of the emissions of the individual constituents to the emissions of methane.
2. "n/a" indicates that there is no AAL for that averaging period.

TABLE 14
VEGETATION IMPACTS OF PROJECT

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Pollutant	Averaging Time	Screening Concentration ($\mu g/m^3$)	Maximum Modeled Impact of CTCC Facility ($\mu g/m^3$)	Maximum Ambient Impacts (All Sources) ($\mu g/m^3$)	Exceeds Screening Threshold?
SO_2	1-hour	917	48.0	194	No
SO_2	3-hour	786	34.4	174	No
SO_2	Annual	18	1.4	23	Yes
NO_2	4-Hour	3,760	60.8	398	No
NO_2	8-Hour	3,760	52.6	310	No
H_2S	4-Hour	28,000	0.66	0.66	No
NH_3	24-hour	270	9.5	9.5	No
NH_3	Annual	8	1.25	1.25	No

Notes:
1. The maximum ambient impacts include all modeled sources plus background concentrations from ***Table 12***, except for NH_3, which includes only the proposed turbines.
2. SO_2, NO_2, and H_2S screening levels based on the minimum concentration at which adverse growth effects occur in sensitive species as reported in *A Screening Procedure for the Impacts of Air Pollution Sources on Plants, Soils, and Animals* (EPA 1980).
3. NH_3 screening levels based on the Critical Exposure Levels for NH_3 as reported by S. Krupa in "Effects of Ammonia on Terrestrial Vegetation" at the Ammonia Workshop held in conjunction with the annual meeting of the National Atmospheric Deposition Program, December 2003.
4. NO_2 impacts reflect the default NO_2/NO_X ratio of 0.75.
5. Short-term SO_2 impact of all sources and short-term NO_2 impacts of turbines reflect the highest, second high concentration.
6. Although the annual SO_2 impacts for all sources exceed the screening level, it should be noted that the landfill gas being used as fuel in this project must be combusted in flares if not used to generate power, and the proposed project will reduce SO_2 impacts because sulfur will be removed from the gas prior to combustion.

FIGURES

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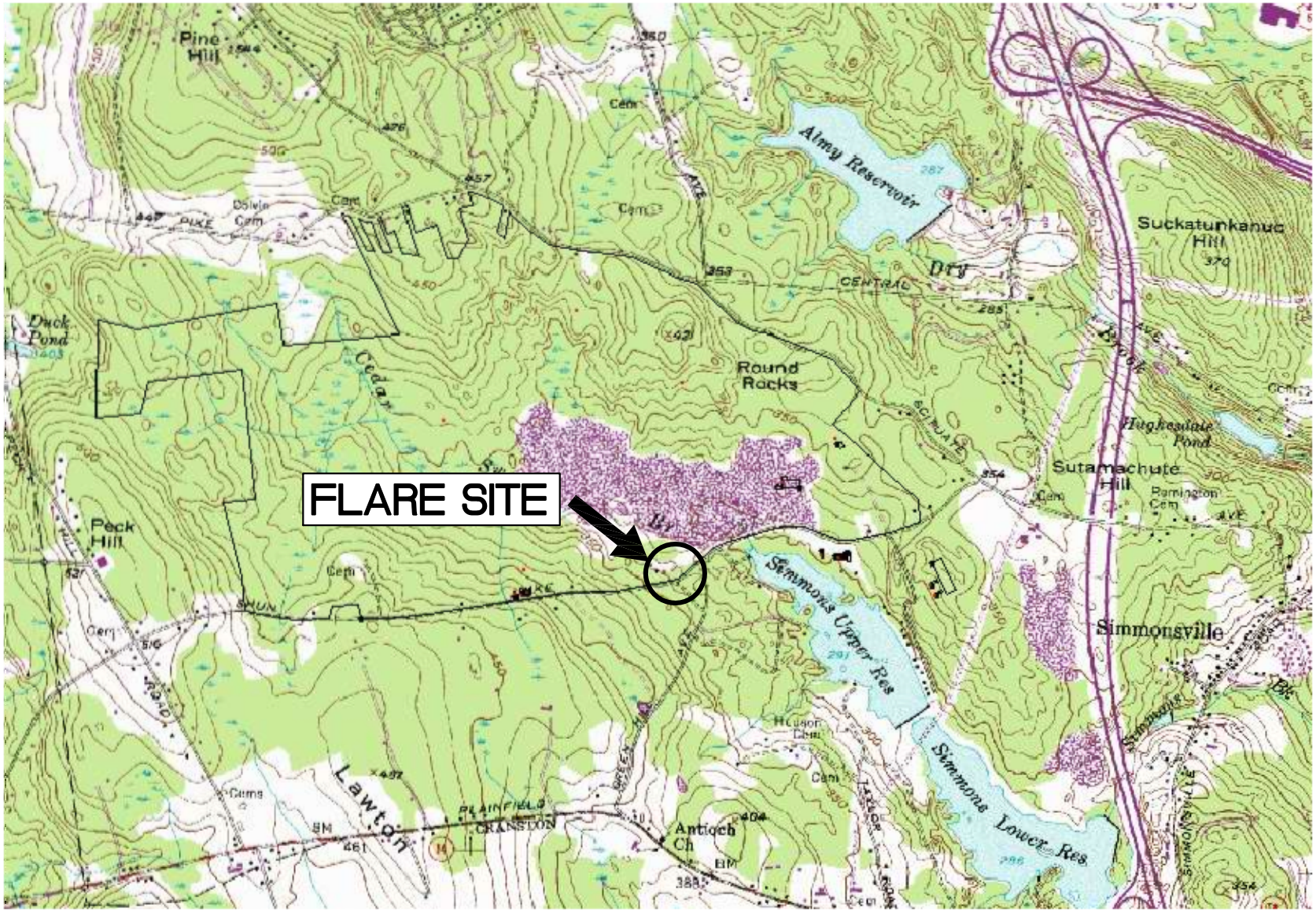


NO.	ISSUE/DESCRIPTION	BY	DATE

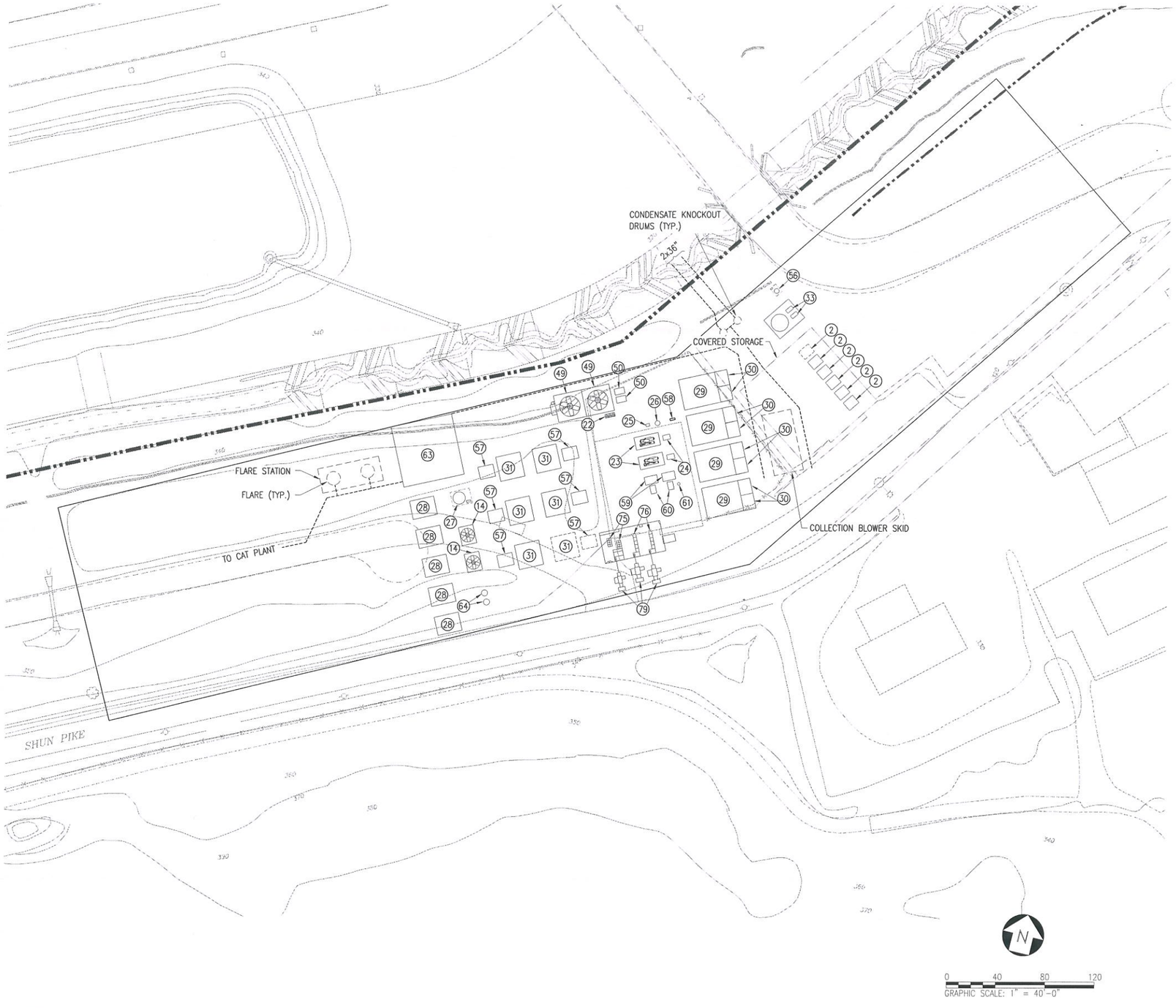
PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
380 HARVEY ROAD
MANCHESTER, NEW HAMPSHIRE 03103
(603) 623-3600

PREPARED FOR:

PROPOSED LANDFILL GAS-FIRED COMBINED CYCLE POWER PLANT
RIDGEWOOD POWER MANAGEMENT
JOHNSTON, RHODE ISLAND

LOCUS PLAN FOR FLARES

PROJ MGR: MPN	DATE: AUGUST 2008
DESIGNED BY: MPN	PROJECT NO.: 04.0024461.00
REVIEWED BY: MPN	FIGURE: 1
DRAWN BY: MPN	REVISION NO.
CHECKED BY: MPN	SHEET NO.
SCALE: AS SHOWN	



MECHANICAL EQUIPMENT KEYNOTES:

1. SOLAR TAURUS 60 CTG
2. LANDFILL GAS POLISHING SYSTEM WITH INLET MOISTURE SEPERATOR & FREE STANDING CONTROL CABINET
3. CTG INLET AIR FILTER, MOUNTED ABOVE UNIT (NOT SHOWN)
4. CTG INLET AIR ANTI-ICING PROTECTION UNIT (NOT SHOWN)
5. CTG LUBE OIL COOLER
6. CTG START MOTOR VFD'S
7. CTG CO2 CYLINDER RACK
8. CTG WATER WASH UNIT
9. HRSG, HORIZONTAL UNIT
10. HRSG STACK
11. DEARATOR & BOILER FEED WATER STORAGE TANK
12. BOILER FEEDWATER PUMP
13. HRSG CHEMICAL TREATMENT
14. AIR COOLED LANDFILL GAS COOLER
15. STEAM TURBINE GENERATOR (STG)
16. STG LUBE OIL SKID
17. STG SURFACE CONDENSER
18. SURFACE CONDENSER STEAM JET AIR REMOVAL SKID
19. STG CONDENSATE PUMP
20. MAIN COOLING TOWER
21. MAIN COOLING WATER CIRCULATING PUMP
22. COOLING WATER TREATMENT UNIT
23. LANDFILL GAS CENTRIFUGAL CHILLER
24. CHILLED WATER PUMP
25. CHILLED WATER CHEMICAL TREATMENT UNIT
26. CHILLED WATER EXPANSION TANK
27. BLOWER INLET KNOCK-OUT DRUM
28. LANDFILL GAS BOOSTER BLOWER
29. LANDFILL GAS COMPRESSOR SKID WITH FREE STANDING CONTROL CABINET
30. LANDFILL GAS COMPRESSOR INTER & AFTER COOLERS
31. FIRST STAGE LANDFILL GAS SILOXANE REMOVAL SKID
32. LANDFILL GAS CONDENSATE COLLECTION STORAGE TANK
33. LANDFILL GAS CONDENSATE TRANSFER PUMP
34. COMBINED FIRE WATER/RAW WATER TANK
35. RAW WATER PUMP
36. REVERSE OSMOSIS BANK
37. REVERSE OSMOSIS BOOSTER PUMP
38. REVERSE OSMOSIS STORAGE TANK
39. REVERSE OSMOSIS TRANSFER PUMP
40. FIRE WATER JOCKEY PUMP
41. FIRE WATER MOTOR DRIVEN MAIN PUMP
42. FIRE WATER DIESEL DRIVEN PUMP
43. AIR COMPRESSOR
44. AIR RECEIVER
45. AIR DRYER UNIT, DESICCANT TYPE
46. EMERGENCY DIESEL GENERATOR UNIT
47. DIESEL FUEL OIL STORAGE TANK, HORIZONTAL, DOUBLE WALL, BELOW GROUND
48. WASTE WATER SUMP WITH SUMP PUMP & OIL WATER SEPARATOR, BELOW GROUND
49. AUXILIARY COOLING TOWER
50. AUXILIARY COOLING WATER CIRCULATING PUMP
51. DELETED
52. DELETED
53. AQUEOUS AMMONIA STORAGE TANK
54. AQUEOUS AMMONIA TRANSFER PUMP
55. AMMONIA FLOW CONTROL SKID
56. FLARE COMBUSTOR STACK WITH ASSIST AIR BLOWER
57. LANDFILL GAS COOLING COIL
58. LANDFILL GAS COMPRESSOR CO2 CYLINDER RACK
59. CLOSED LOOP COOLING WATER HEAT EXCHANGE
60. CLOSED LOOP COOLING WATER PUMP
61. CLOSED LOOP COOLING ESPANSIONS TANK
62. BLOWDOWN TANK
63. LANDFILL GAS HYDROGEN SULFIDE REMOVAL SKID
64. COOLER OUTLET MOISTURE SEPARATOR

ELECTRICAL EQUIPMENT KEYNOTES:

70. HIGH VOLTAGE DEAD-END STRUCTURE
71. SUBSTATION DISCONNECT SWITCH
72. SUBSTATION CIRCUIT BREAKER
73. STEP-UP TRANSFORMER
74. MEDIUM VOLTAGE SWITCHGEAR
75. LOW VOLTAGE SWITCHGEAR
76. MEDIUM VOLTAGE UNIT SUBSTATION
77. MOTOR CONTROL CENTER, DISTRIBUTED OUTDOOR IN PLANT, WEATHER ENCLOSURE
78. UPS SYSTEM
79. TRANSFORMER

INSTRUMENTATION & CONTROLS KEYNOTES:

80. PLANT CONTROL SYSTEM
81. CEMS (IF REQUIRED, NOT SHOWN)

GENERAL KEYNOTES

82. MAIN POWER CABLE CONNECTION, PRELIMINARY ONLY

LEGEND:

——— JCB SCOPE OF WORK

– – – – – STANTEC SCOPE OF WORK

PRELIMINARY

No.	DESCRIPTION	BY	CHKD	APPVD.	DATE
	REVISION				
C	ISSUED FOR CLIENT REVIEW				12-20-07
B	ISSUED FOR CLIENT REVIEW				12-05-07
A	ISSUED FOR APPROVAL				02-27-07

No.	DESCRIPTION	BY	CHKD	APPVD.	DATE
	REVISION				
D	ISSUE FOR SCHEMATIC DESIGN				05/16/08

SEAL

CONSTRUCTION ISSUE		
DISCIPLINE	BY	DATE
DRAWN:		
CHECKED:		
ENGINEER:		
LEAD ENGINEER:		
PROJECT ENGINEER:		
PROJECT MANAGER:		

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CUSTOMER JOB No.: XXXX

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RIDGEWOOD POWER MANAGEMENT
Rhode Island LFG Genco

GENERAL ARRANGEMENT
GAS CLEANING AND COMPRESSION SITE

SCALE: As Noted | C&B No. | DWG. No.: SK004 | REV.: D

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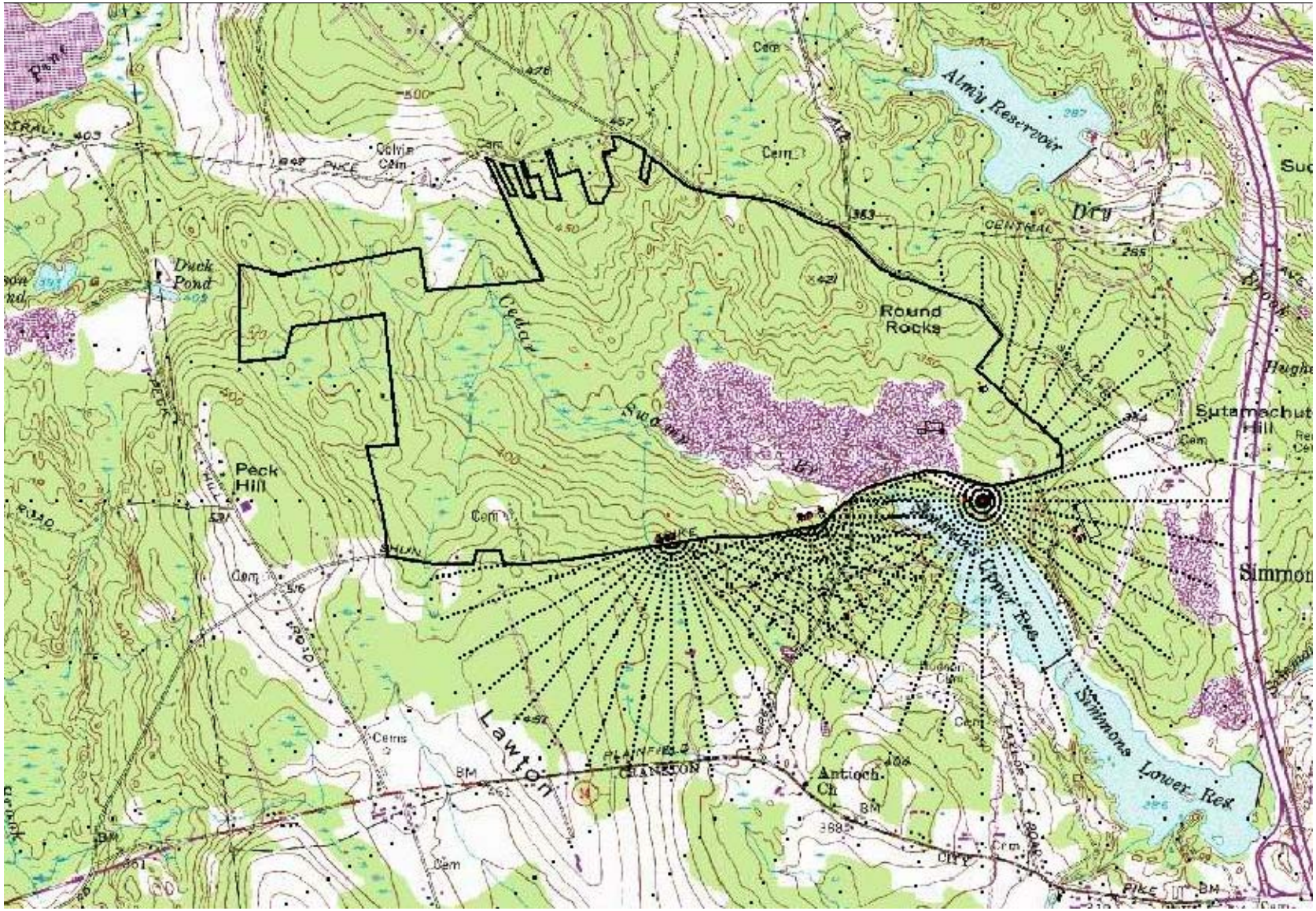

NO.	ISSUE/DESCRIPTION	BY	DATE

PREPARED BY:
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380 HARVEY ROAD
MANCHESTER, NEW HAMPSHIRE 03103
(603) 623-3600

PREPARED FOR:

PROPOSED LANDFILL GAS-FIRED COMBINED CYCLE POWER PLANT
RIDGEWOOD POWER MANAGEMENT
JOHNSTON, RHODE ISLAND

REVISED RECEPTOR PLAN

PROJ MGR:	MPN
DESIGNED BY:	MPN
REVIEWED BY:	MPN
DRAWN BY:	MPN
CHECKED BY:	MPN
SCALE:	AS SHOWN

DATE: AUGUST 2008
PROJECT NO.: 04.0024461.00
REVISION NO.:

FIGURE 3
SHEET NO.:

APPENDIX A

APPLICATION FORMS

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

APPLICATION FOR APPROVAL OF PLANS TO CONSTRUCT, INSTALL, OR MODIFY AIR POLLUTION CONTROL EQUIPMENT

Return to: RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES
235 PROMENADE STREET
PROVIDENCE, RI 02908

Section A

1. FULL BUSINESS NAME Rhode Island Central Genco LLC PHONE 401-943-5560
2. ADDRESS OF EQUIPMENT LOCATION 65 Shun Pike, Johnston, R.I. 02919
   SIC CODE 4911 # EMPLOYEES 15
3. LOCATION ON PREMISES (BLDG., DEPT., AREA, ETC.) Gas Treatment Plant
4. NATURE OF BUSINESS Power generation from landfill gas

Section B

1. APPROVAL REQUESTED FOR: ☑ CONSTRUCTION ☐ MODIFICATION
2. TYPE OF EQUIPMENT: ☐ BAGHOUSE ☐ SCRUBBER ☐ AFTERBURNER
   ☐ SCR ☐ CARBON ADSORBER ☑ OTHER (SPECIFY)
3. MAKE AND MODEL NO.: ZTOF (John Zink)
4. ESTIMATED STARTING DATE: March 2009 ESTIMATED COMPLETION DATE: May 2009

Section C

1. GENERAL DESCRIPTION OF PROCESS FROM WHICH POLLUTANTS ARISE
   Decomposition of municipal solid waste
2. PROCESS EQUIPMENT USED IN OPERATION Not applicable
3. OPERATING PROCEDURE: ☑ CONTINUOUS 24 HRS/DAY 7 DAYS/WEEK 52 WEEKS/YEAR
   ☐ BATCH _____ HRS/BATCH _____ BATCHES/WEEK _____ WEEKS/YEAR
4. LIST THE TYPE AND QUANTITY OF RAW MATERIALS USED PER HOUR OR PER BATCH ON AN ATTACHED SHEET.

Section D

EMISSIONS INFORMATION:

POLLUTANT	EMISSIONS BEFORE CONTROL EQUIPMENT	AFTER
See Tables	1 and 3	and Appendix B

INDICATE METHOD USED TO DETERMINE EMISSIONS mass balance, manufactures warranty

Section E

EMISSION STREAM CHARACTERISTICS

1. MAXIMUM FLOW RATE (SCFM)_____3000 each flare
2. TEMPERATURE (^{O}F)_____80-120_____
3. MOISTURE CONTENT_____6.5_____%
4. HALOGENATED ORGANICS: ☐ YES ☐ NO
5. HEAT CONTENT (IF APPLICABLE)_____475-550_____BTU/SCF

Section F

SCRUBBER

1. WET:SCRUBBING LIQUID (A) COMPOSITION_____
   (B) FLOW RATE (GAL/MIN)_____
   (C) INJECTION RATE (PSI)_____
   (D) MAKE-UP RATE IF RE-CIRCULATED (GAL/MIN)_____
   PACKING-IF APPLICABLE (A) TYPE_____
   (B) DEPTH OF BED_____(FEET)
   (C) PACKING SURFACE_____(FT^2)
2. DRY:SCRUBBING REAGENT:_____ USAGE_____LB/HR.
   INJECTION RATIO:_____( )
   MIXING METHOD_____
3. PRESSURE DROP ACROSS CONTROL UNIT:_____INCHES WATER

BAGHOUSE/FABRIC FILTER

1. BAG/FILTER MATERIAL_____2. NUMBER OF BAGS_____
3. AIR/CLOTH RATIO_____ FEET/MINUTE
4. METHOD OF CLEANING: (A) ☐SHAKER ☐PULSE ☐REVERSE AIR ☐OTHER-SPECIFY
   (B) FREQUENCY OF CLEANING_____
   (C) IS CLEANING AUTOMATIC OR MANUAL_____

CARBON ADSORBER

1. VOLUME OF EACH CARBON BED _____(FT^3)
2. NUMBER OF BEDS_____
3. DIAMETER OF EACH BED _____(FT)
4. DEPTH OF EACH BED_____(FT)
5. ADSORBTION CAPACITY OF CARBON (LB/100 LB CARBON)_____
6. ADSORBTION CYCLE TIME _____(HR)
7. REGENERATION CYCLE TIME _____(HR)
8. STEAM RATIO (LB STEAM/LB CARBON)_____
9. STEAM SOURCE_____
10. REMOVAL EFFICIENCY (%)_____

INCINERATION

1. THERMAL AFTERBURNER
   A. VOLUME OF COMBUSTION CHAMBER _____3130_____(FT^3)
   B. MINIMUM OPERATING TEMPERATURE_____1500_____(^{O}F)
   C. RESIDENCE TIME _____1.1_____(SECONDS)
   D. EXCESS AIR _____varies to control temperature_____%
2. CATALYTIC INCINERATION
   A. TYPE OF CATALYST_____
   B. VOLUME OF CATALYST_____(FT^3)
   C. SPACE VELOCITY _____(HR^{-1})
   D. CATALYST OPERATING TEMPERATURE_____(^{O}F)

INCINERATION (CONT.)

3. BURNER MAKE AND MODEL NO. Zink
   CAPACITY (BTU/HR) 99.0 MM BTU/hr
4. HEAT RECOVERY: ☐ YES ☑ NO
   TYPE: _____ EFFICIENCY: _____ %
4. DESTRUCTION EFFICIENCY: 98% %

Section G — OPERATING CONDITIONS

1. GAS VOLUME THROUGH CONTROL SYSTEM: NORMAL 169522 ACFM @ 1600 °F
   MAXIMUM 174607 ACFM @ 1500 °F
2. GAS TEMPERATURE: INLET 70 °F OUTLET 1600 °F
3. STACK INFORMATION: (A) I.D. 128 INCHES OR _____ INCHES X _____ INCHES
   (B) STACK HEIGHT ABOVE GROUND 40 FEET
   (C) CFM EXHAUSTED 169522
   (D) IS STACK EQUIPPED WITH RAIN HAT? ☐ YES ☑ NO
5. DISTANCE FROM DISCHARGE TO NEAREST PROPERTY LINE 150 FEET.

Section H — COLLECTION DATA

1. DESCRIPTION OF COLLECTED MATERIAL Not Applicable
2. AMOUNT COLLECTED (LBS/DAY; GAL/DAY; ETC.) _____
3. ULTIMATE DISPOSITION OF COLLECTED MATERIAL _____

Section I — IN ADDITION TO THE ABOVE INFORMATION, THE FOLLOWING INFORMATION IS REQUIRED:

1. FLOW DIAGRAM SHOWING RELATIVE LOCATION OF EQUIPMENT ATTACHED TO THIS CONTROL SYSTEM.
2. MANUFACTURER'S LITERATURE FOR THE CONTROL EQUIPMENT.
3. ENGINEERING DRAWINGS FOR THE CONTROL EQUIPMENT WITH PHYSICAL DIMENSIONS.
4. PARTICULATE COLLECTION EQUIPMENT SHOULD HAVE SIZE EFFICIENCY CURVES. ABSORPTION AND ADSORPTION EQUIPMENT SHOULD HAVE SIZING CALCULATIONS, GRAPHS, EQUILIBRIUM DATA, ETC.

This application is submitted in accordance with the provisions of Chapter 23-23 of the General Laws, as amended, Regulation 9, and to the best of my knowledge and belief is true and correct.

_____ _____
Signature Title

_____ _____
Printed Name Date

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

AIR POLLUTION CONTROL PERMIT FEES

The Department's rules and regulations require the payment of fees for air pollution permits. All application fees must be submitted to:

RI Department of Environmental Management
Office of Management Services
235 Promenade Street
Providence, RI 02908

THE APPLICATION FORM AND ANY ACCOMPANYING DOCUMENTS SHOULD BE SUBMITTED TO THE OFFICE OF AIR RESOURCES AT THE ADDRESS SHOWN ON THE APPLICATION FORM.

Please complete this form, attach it to the check or money order and submit it to the Office of Management Services. Payment should be made payable to General Treasurer, State of Rhode Island. The information requested below must be provided to coordinate the filing of your fee with your application(s). This fee is a filing fee and therefore it must be paid before we can begin review of your application(s).

APPLICANT'S NAME: _____

GENERAL DESCRIPTION OF PROCESS FROM WHICH POLLUTANTS ARISE:

_____

_____

FEE SUBMITTED:

Major Source or Major Modification @ $25,410 each _____
Complex Minor source or Modification @ $4,620.00 each _____
Minor source or Modification @ $ 1,271.00 each _____

TOTAL _____

FOR OFFICE USE ONLY:
Fee Amount Received: $ _____
Date Received: _____
Received By: _____
For Deposit into Account 1752-80600

ATTACHMENT 1
BACKUP FLARES

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

Landfill gas flare installations
Required information

1.	Landfill gas flowrate to flare (scfm)	3000 scfm each flare (standard temp. = 60° F)
2.	Temperature of landfill gas to flare (°F)	80 - 120 ° F
3.	Heat content of landfill gas (BTU/scf)	475 - 550 BTU/scf
4.	Flare tip diameter (inches)[1]	NA
5.	Height of flare (feet)	40.00 ft
6.	Landfill gas composition	

Methane (CH_4) %	52.0% dry basis (3/26/08)
Carbon dioxide (CO_2) %	41.6% dry basis (3/26/08)
Moisture (H_2O) %	6.5% (assumes saturation at 100° F)
Nitrogen and inerts %	6.1% dry basis (3/26/08)
Oxygen (O_2) %	0.36% dry basis (3/26/08)
Hydrogen sulfide (H_2S) ppm	less than 100 ppmv
Carbon monoxide (CO) ppm	No data
Total nonmethane hydrocarbons ppm	636 ppmv as hexane dry basis (6/18/08)
Other hydrocarbons (list individually) ppm	see Table 3 of application

_____

_____

_____

_____

_____

Other sulfur compounds ppm

7.	Landfill gas molecular weight (lb/lb-mole)	28.44 dry basis (3/26/08)
8.	Diameter of flare (feet)[2]	10.67 ft (inside diameter)
9.	Minimum temperature at flare thermocouple/Operating temperature (°F)[2]	1500 F
10.	Retention time (seconds), including supporting calculations[2]	1.1 sec, See Appendix B

[1]For candlestick flares only
[2]For enclosed flares only

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

APPLICATION FOR APPROVAL OF PLANS TO CONSTRUCT, INSTALL, OR MODIFY AIR POLLUTION CONTROL EQUIPMENT

Return to: RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES
235 PROMENADE STREET
PROVIDENCE, RI 02908

Section A

1. FULL BUSINESS NAME Rhode Island Central Genco LLC PHONE 401-943-5560
2. ADDRESS OF EQUIPMENT LOCATION 65 Shun Pike, Johnston, R.I. 02919
   SIC CODE 4911 # EMPLOYEES 15
3. LOCATION ON PREMISES (BLDG., DEPT., AREA, ETC.) Gas Treatment Plant
4. NATURE OF BUSINESS Power generation from landfill gas

Section B

1. APPROVAL REQUESTED FOR: ☑ CONSTRUCTION ☐ MODIFICATION
2. TYPE OF EQUIPMENT: ☐ BAGHOUSE ☐ SCRUBBER ☐ AFTERBURNER
   ☐ SCR ☐ CARBON ADSORBER ☑ OTHER (SPECIFY)
3. MAKE AND MODEL NO.: ZTOF (John Zink)
4. ESTIMATED STARTING DATE: March 2009 ESTIMATED COMPLETION DATE: May 2009

Section C

1. GENERAL DESCRIPTION OF PROCESS FROM WHICH POLLUTANTS ARISE
   Decomposition of municipal solid waste
2. PROCESS EQUIPMENT USED IN OPERATION Not applicable
3. OPERATING PROCEDURE: ☑ CONTINUOUS 24 HRS/DAY 7 DAYS/WEEK 52 WEEKS/YEAR
   ☐ BATCH _____ HRS/BATCH _____ BATCHES/WEEK _____ WEEKS/YEAR
4. LIST THE TYPE AND QUANTITY OF RAW MATERIALS USED PER HOUR OR PER BATCH ON AN ATTACHED SHEET.

Section D

EMISSIONS INFORMATION:

POLLUTANT	EMISSIONS BEFORE CONTROL EQUIPMENT	AFTER
See Tables	1 and 3	and Appendix B

INDICATE METHOD USED TO DETERMINE EMISSIONS mass balance, manufactures warranty

Section E

EMISSION STREAM CHARACTERISTICS

1. MAXIMUM FLOW RATE (SCFM)_____3000 each flare
2. TEMPERATURE (^{O}F)_____80-120_____
3. MOISTURE CONTENT_____6.5_____%
4. HALOGENATED ORGANICS: ☐ YES ☐ NO
5. HEAT CONTENT (IF APPLICABLE)_____475-550_____BTU/SCF

Section F

SCRUBBER

1. WET:SCRUBBING LIQUID (A) COMPOSITION_____
   (B) FLOW RATE (GAL/MIN)_____
   (C) INJECTION RATE (PSI)_____
   (D) MAKE-UP RATE IF RE-CIRCULATED (GAL/MIN)_____
   PACKING-IF APPLICABLE (A) TYPE_____
   (B) DEPTH OF BED_____(FEET)
   (C) PACKING SURFACE_____(FT^2)
2. DRY:SCRUBBING REAGENT:_____ USAGE_____LB/HR.
   INJECTION RATIO:_____( )
   MIXING METHOD_____
3. PRESSURE DROP ACROSS CONTROL UNIT:_____INCHES WATER

BAGHOUSE/FABRIC FILTER

1. BAG/FILTER MATERIAL_____2. NUMBER OF BAGS_____
3. AIR/CLOTH RATIO_____ FEET/MINUTE
4. METHOD OF CLEANING: (A) ☐ SHAKER ☐ PULSE ☐ REVERSE AIR ☐ OTHER-SPECIFY
   (B) FREQUENCY OF CLEANING_____
   (C) IS CLEANING AUTOMATIC OR MANUAL_____

CARBON ADSORBER

1. VOLUME OF EACH CARBON BED _____(FT^3)
2. NUMBER OF BEDS_____
3. DIAMETER OF EACH BED _____(FT)
4. DEPTH OF EACH BED_____(FT)
5. ADSORBTION CAPACITY OF CARBON (LB/100 LB CARBON)_____
6. ADSORBTION CYCLE TIME _____(HR)
7. REGENERATION CYCLE TIME _____(HR)
8. STEAM RATIO (LB STEAM/LB CARBON)_____
9. STEAM SOURCE_____
10. REMOVAL EFFICIENCY (%)_____

INCINERATION

1. THERMAL AFTERBURNER
   A. VOLUME OF COMBUSTION CHAMBER _____3130_____(FT^3)
   B. MINIMUM OPERATING TEMPERATURE_____1500_____(^{O}F)
   C. RESIDENCE TIME _____1.1_____(SECONDS)
   D. EXCESS AIR _____varies to control temperature_____%
2. CATALYTIC INCINERATION
   A. TYPE OF CATALYST_____
   B. VOLUME OF CATALYST_____(FT^3)
   C. SPACE VELOCITY _____(HR^{-1})
   D. CATALYST OPERATING TEMPERATURE_____(^{O}F)

INCINERATION (CONT.)

3. BURNER MAKE AND MODEL NO. Zink
   CAPACITY (BTU/HR) 99.0 MM BTU/hr
4. HEAT RECOVERY: ☐ YES ☑ NO
   TYPE: _____ EFFICIENCY: _____ %
4. DESTRUCTION EFFICIENCY: 98% %

Section G — OPERATING CONDITIONS

1. GAS VOLUME THROUGH CONTROL SYSTEM: NORMAL 169522 ACFM @ 1600 °F
   MAXIMUM 17460 ACFM @ 1500 °F
2. GAS TEMPERATURE: INLET 70 °F OUTLET 1600 °F
3. STACK INFORMATION: (A) I.D. 128 INCHES OR _____ INCHES X _____ INCHES
   (B) STACK HEIGHT ABOVE GROUND 40 FEET
   (C) CFM EXHAUSTED 169522
   (D) IS STACK EQUIPPED WITH RAIN HAT? ☐ YES ☑ NO
5. DISTANCE FROM DISCHARGE TO NEAREST PROPERTY LINE 150 FEET.

Section H — COLLECTION DATA

1. DESCRIPTION OF COLLECTED MATERIAL Not Applicable
2. AMOUNT COLLECTED (LBS/DAY; GAL/DAY; ETC.) _____
3. ULTIMATE DISPOSITION OF COLLECTED MATERIAL _____

Section I — IN ADDITION TO THE ABOVE INFORMATION, THE FOLLOWING INFORMATION IS REQUIRED:

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4. PARTICULATE COLLECTION EQUIPMENT SHOULD HAVE SIZE EFFICIENCY CURVES. ABSORPTION AND ADSORPTION EQUIPMENT SHOULD HAVE SIZING CALCULATIONS, GRAPHS, EQUILIBRIUM DATA, ETC.

This application is submitted in accordance with the provisions of Chapter 23-23 of the General Laws, as amended, Regulation 9, and to the best of my knowledge and belief is true and correct.

_____ _____
Signature Title

_____ _____
Printed Name Date

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

AIR POLLUTION CONTROL PERMIT FEES

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APPLICANT'S NAME: _____

GENERAL DESCRIPTION OF PROCESS FROM WHICH POLLUTANTS ARISE:

_____

_____

FEE SUBMITTED:

Major Source or Major Modification @ $25,410 each _____
Complex Minor source or Modification @ $4,620.00 each _____
Minor source or Modification @ $ 1,271.00 each _____

TOTAL _____

FOR OFFICE USE ONLY:
Fee Amount Received: $ _____
Date Received: _____
Received By: _____
For Deposit into Account 1752-80600

ATTACHMENT 1
REGEN FLARE

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

Landfill gas flare installations
Required information

1.	Landfill gas flowrate to flare (scfm)	630 scfm (standard temp. = 60° F)
2.	Temperature of landfill gas to flare (°F)	80 - 120 ° F
3.	Heat content of landfill gas (BTU/scf)	475 - 550 BTU/scf
4.	Flare tip diameter (inches)[1]	NA
5.	Height of flare (feet)	40.00 ft
6.	Landfill gas composition	

Methane (CH_4) %	52.0% dry basis (3/26/08)
Carbon dioxide (CO_2) %	41.6% dry basis (3/26/08)
Moisture (H_2O) %	6.5% (assumes saturation at 100° F)
Nitrogen and inerts %	6.1% dry basis (3/26/08)
Oxygen (O_2) %	0.36% dry basis (3/26/08)
Hydrogen sulfide (H_2S) ppm	less than 100 ppmv
Carbon monoxide (CO) ppm	No data
Total nonmethane hydrocarbons ppm	636 ppmv as hexane dry basis (6/18/08)
Other hydrocarbons (list individually) ppm	see Table 3 of application

_____

_____

_____

_____

_____

Other sulfur compounds ppm

7.	Landfill gas molecular weight (lb/lb-mole)	28.44 dry basis (3/26/08)
8.	Diameter of flare (feet)[2]	4.67 ft (inside diameter)
9.	Minimum temperature at flare thermocouple/Operating temperature (°F)[2]	1500 F
10.	Retention time (seconds), including supporting calculations[2]	0.8 sec, See Appendix B

[1]For candlestick flares only
[2]For enclosed flares only

APPENDIX B

SUPPORTING CALCULATIONS

SUPPORTING CALCULATIONS
EMISSIONS AND STACK PARAMETERS FOR PROPOSED REGEN FLARE
Rhode Island Central Genco, LLC
Johnston, Rhode Island

H_2S		630 ft3/min	x	60 min/hr	x	100 ppmv	x	34.07 lb/mol	x	(1 - 98%)
	÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.007 lb/hr	x	0.126 gm-hr/lb-sec	=	0.0009 gm/sec
		0.007 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	0.030 tons/yr		
HCl		630 ft3/min	x	60 min/hr	x	12.79 ppmv	x	36.46 lb/mol	x	(1 - 0%)
	÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.046 lb/hr	x	0.126 gm-hr/lb-sec	=	0.0059 gm/sec
		0.046 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	0.20 tons/yr		
Hg		630 ft3/min	x	60 min/hr	x	0.011 ppmv	x	200.59 lb/mol	x	(1 - 0%)
	÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.00022 lb/hr	x	0.126 gm-hr/lb-sec	=	0.0000277 gm/sec
		0.000220 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	0.000963 tons/yr		
NO_X		630 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.025 lb/MMBTU
	=	0.52 lbs/hr	x	0.126 gm-hr/lb-sec	=	0.065 gm/sec				
		0.52 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	2.28 tons/yr		
CO		630 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.06 lb/MMBTU
	=	1.25 lbs/hr	x	0.126 gm-hr/lb-sec	=	0.157 gm/sec				
		1.25 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	5.46 tons/yr		
SO_2		630 ft3/min	x	60 min/hr	x	100 ppmv	x	64.07 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	0.64 lbs/hr	x	0.126 gm-hr/lb-sec	=	0.080 gm/sec		
		0.64 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	2.80 tons/yr		

The purge gas may contain siloxanes adsorbed in the final polishing step in the siloxane removal process, which will be oxidized to SiO_2 in the flare. Gas going to the turbines and engines will be subject to siloxane removal. Based on data presented by SCS Engineers, the silicon content of landfill gas ranges from 0.5 to 2.9 g/MMBTU, with an average of 0.9 g/MMBTU. The emission rate of particulate matter from siloxanes has been estimated based on 2.9 g Si/MMBTU. The Si value has been multiplied by 2.14 to account for the molecular weight of SiO_2. The purge gas is only for the final polishing step. It has been estimated that a minimum of 90 percent of the siloxanes will be removed prior to this step, so particulate matter is based on 10 percent of the estimated siloxane content of the untreated gas. A small amount of other organic compounds may also be adsorbed and desorbed in the same manner, and VOC have been calculated by assuming that 10% of the VOC in the gas stream will be adsorbed by the silica gel. PM emission factor for landfill gas used as fuel is derived from the AP-42 emission factor of 17 lb/MMscf of methane assuming a landfill gas heat value of 550 BTU/scf.

PM

Fuel (LFG)		630 ft3/min	x	60 min/hr	÷	1,000,000	x	9.24 lb/MMscf	=	0.35 lbs/hr
Purge Gas		16,192 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	6.2 g/MMBTU
	÷	453.6 gm/lb	x	10%	=	0.73 lb/hr				
		0.35 lbs/hr	+	0.73 lbs/hr	=	1.08 lbs/hr	x	0.126 gm-hr/lb-sec	=	0.1361 gm/sec
		1.08 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	4.73 tons/yr		

VOC

Fuel (LFG)		630 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	8.58 lb/hr						
Purge Gas		16,192 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	220.60 lb/hr	x	10%	=	22.06 lb/hr		
Total		8.58 lb/hr	+	22.06 lb/hr	=	30.64 lb/hr	x	(1 - 99%)	=	0.31 lb/hr
		0.31 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	1.34 tons/yr		

METHANE

Methane is used as a surrogate for modeling of TAP/HAP constituents of landfill gas. To account for the additional loading of HAPS and TAPs that may be present due to adsorption and desorption from the siloxane polishing step, the methane has been adjusted similar to the VOC emissions.

Fuel		630 ft3/min	x	60 min/hr	x	50%	x	16.03 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	798.4 lb/hr						
Purge Gas		16,192 ft3/min	x	60 min/hr	x	50%	x	16.03 lb/mol	÷	0.7302 ft3-atm/mol-R

	÷	519.7 R	=	20519.2 lb/hr	x	10%	=	2051.9 lb/hr		
Total		798.4 lb/hr	+	2051.9 lb/hr	=	2850.3 lb/hr	x	(1 - 99%)	=	28.5 lb/hr
		28.50 lb/hr	x	0.126 gm-hr/lb-sec	=	3.5914 gm/sec				

SUPPORTING CALCULATIONS
EMISSIONS AND STACK PARAMETERS FOR PROPOSED BACKUP FLARES
Rhode Island Central Genco, LLC
Johnston, Rhode Island

Maximum Emissions (each flare)

Methane is used as a surrogate for modeling of VOC/NMOC constituents.

Methane		3,000 ft3/min	x	60 min/hr	x	50%	x	16.03 lb/mol	x	(1 - 98%)	
	÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	76.03 lb/hr	x	0.126 gm-hr/lb-sec	=	9.5804 gm/sec	
H_2S		3,000 ft3/min	x	60 min/hr	x	100 ppmv	x	34.07 lb/mol	x	(1 - 98%)	
	÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.032 lb/hr	x	0.126 gm-hr/lb-sec	=	0.0041 gm/sec	
		0.032 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	0.14 tons/yr			
HCl		3,000 ft3/min	x	60 min/hr	x	12.79 ppmv	x	36.46 lb/mol	x	(1 - 0%)	
	÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.22 lb/hr	x	0.126 gm-hr/lb-sec	=	0.0279 gm/sec	
		0.22 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	0.97 tons/yr			
Hg		3,000 ft3/min	x	60 min/hr	x	0.011 ppmv	x	200.59 lb/mol	x	(1 - 0%)	
		0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.00105 lb/hr	x	0.126 gm-hr/lb-sec	=	0.000132 gm/sec	
		0.00105 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	0.00458 tons/yr			
NO_X		3,000 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.06 lb/MMBTU	
	=	5.94 lbs/hr	x	0.126 gm-hr/lb-sec	=	0.748 gm/sec					
		5.94 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	26.02 tons/yr			
CO		3,000 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.20 lb/MMBTU	
	=	19.80 lbs/hr	x	0.126 gm-hr/lb-sec	=	2.495 gm/sec					
		19.80 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	86.72 tons/yr			
SO_2		3,000 ft3/min	x	60 min/hr	x	100 ppmv	x	64.07 lb/mol	÷	0.7302 ft3-atm/mol-R	
	÷	519.7 R	=	3.04 lbs/hr	x	0.126 gm-hr/lb-sec	=	0.383 gm/sec			
		3.04 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	13.31 tons/yr			

PM

Note: PM emission factor is derived from AP-42 emission factor of 17 lb/MMscf of methane assumin gas with a heat value of 550 BTU/scf.

	3,000 ft3/min	x	60 min/hr	÷	1,000,000	x	9.24 lb/MMscf	=	1.66 lbs/hr	
x	0.126 gm-hr/lb-sec	=	0.210 gm/sec							
	1.66 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	7.28 tons/yr			
VOC	3,000 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	x	(1 - 98%)	
÷	0.7302 ft3-atm/mol-R	÷	519.7 R	=	0.82 lb/hr					
	0.82 lb/hr	x	8,760 hr/yr	÷	2,000 lb/ton	=	3.58 tons/yr			

SUPPORTING CALCULATIONS
POTENTIAL EMISSIONS FROM FLARES
Rhode Island Central Genco, LLC
Johnston, Rhode Island

Comparison of Emissions from Electric Generation Equipment to Backup Flare

The backup flares will be used solely as backup to the turbines, engines, or the regen flare. For the same landfill gas consumption rate (by volume or BTU), the backup flares will have the same or lower emissions than the turbines or engines (see comparison below). Pollutants other than those listed below are based on the characteristics of the gas and will be the same for all devices. Thus the backup flares will not increase potential emissions from the facility, except for when being used as backup to the regen flare.

	Units	Backup Flare	Stage 1 Duetz Engines	Stage 2 Caterpillar Engines	Turbines
NO_X	lb/MMBTU	0.060	0.185	0.160	0.099
CO	lb/MMBTU	0.200	0.771	0.880	0.484
VOC	lb/MMBTU	0.013	0.050	0.049	0.028
PM_{10}	lb/MMBTU	0.017	0.032	0.062	0.024

Potential Emissions Increase from Flares

In the case of the regen flare, the backup flares will have the same emissions as the regen flare for all pollutants except CO, NO_X, and VOC, for which the backup flares will have higher emissions. To determine potential emissions from the project, it is necessary to assume some portion of the purge gas will be routed to the backup flare over the course of the year. Potential emissions for CO, NO_X and VOC have been based on up to 2000 hours of usage of the backup flares in place of the regen flare.

NO_X

Regen Flare		630 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.025 lb/MMBTU
	=	0.52 lbs/hr	x	6,760 hr/yr	÷	2,000 lb/ton	=	1.76 tons/yr		
Backup Flare		630 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.06 lb/MMBTU
	=	1.25 lbs/hr	x	2,000 hr/yr	÷	2,000 lb/ton	=	1.25 tons/yr		
Total		1.76 tons/yr	+	1.25 tons/yr	=	3.00 tons/yr				

CO

Regen Flare		630 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.06 lb/MMBTU
	=	1.25 lbs/hr	x	6,760 hr/yr	÷	2,000 lb/ton	=	4.22 tons/yr		
Backup Flare		630 ft3/min	x	60 min/hr	x	550 BTU/scf	÷	1,000,000	x	0.20 lb/MMBTU
	=	4.16 lbs/hr	x	2,000 hr/yr	÷	2,000 lb/ton	=	4.16 tons/yr		
Total		4.22 tons/yr	+	4.16 tons/yr	=	8.37 tons/yr				

VOC

Regen Flare										
Fuel (LFG)		630 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	8.58 lb/hr						
Purge Gas		16,192 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	220.60 lb/hr	x	10%	=	22.06 lb/hr		
Total		8.58 lb/hr	+	22.06 lb/hr	=	30.64 lb/hr	x	(1 - 99%)	=	0.31 lb/hr
		0.31 lb/hr	x	6,760 hr/yr	÷	2,000 lb/ton	=	1.04 tons/yr		
Backup Flare										
Fuel (LFG)		630 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	8.58 lb/hr						
Purge Gas		16,192 ft3/min	x	60 min/hr	x	1,000 ppmv	x	86.17 lb/mol	÷	0.7302 ft3-atm/mol-R
	÷	519.7 R	=	220.60 lb/hr	x	10%	=	22.06 lb/hr		
Total		8.58 lb/hr	+	22.06 lb/hr	=	30.64 lb/hr	x	(1 - 98%)	=	0.61 lb/hr
		0.61 lb/hr	x	2,000 hr/yr	÷	2,000 lb/ton	=	0.61 tons/yr		
Total		1.04 tons/yr	+	0.61 tons/yr	=	1.65 tons/yr				

SUPPORTING CALCULATIONS

Rhode Island Central Genco, LLC

Johnston, Rhode Island

FLUE GAS VOLUME CALCULATIONS USING F-FACTOR METHOD

Device	Fuel	Heat Input (MMBTU/hr)	F-Factor (wscf/ MMBTU)	Oxygen Content (%, wet basis)	Water in Air (volume basis)	Temp (F)	Estimated Flow Rate (acfm)
Turbine	LFG	80.04	11,538	13.6	1.3%	250	61,556
Turbine	LFG	73.12	11,538	13.7	1.3%	250	57,046
BU Flare	LFG	91.1	11,538	12.2	1.3%	1600	169,522
Regen Flare	LFG	19.1	11,538	13.9	1.3%	1600	44,594
Caterpillar	LFG	15.36	11,538	6.3	1.3%	941	11,436
Deutz	LFG	12.40	11,538	6.0	1.3%	880	8,649
Boiler	#2 oil	6.65	10,320	3.0	1.3%	400	2,209

Notes:

1. Flue gas volume = [F-Factor x heat rating x 20.9] x [temperature + 459.7/ 527.7] / [20.9 x (1-moisture content) - oxygen content].
2. F-factors and calculation method are as reported in 40 CFR 60, Appendix A, Method 19.
3. Air moisture content of 1.3% corresponds to 50% relative humidity at 70 F.
4. Flow calculations for flares based on 50% methane.

SUPPORTING CALCULATIONS
CALCULATION OF NET EMISSIONS CHANGE FOR H_2S
Rhode Island Central Genco, LLC
Johnston, Rhode Island

PARAMETER	RPPP	STAGE 1	STAGE 2	PROPOSED CTCC FACILITY	TOTAL
Actual Emissions for Period 11-1-2005 through 11-30-2007	2.59	0.34	3.45	0.00	6.37
Average annual actual emissions for Period 11-1-2005 through 11-30-2007	1.29	0.17	1.73	0.00	3.19
Potential Annual Emissions After Project	0	0.04	0.10	0.60	0.74
Net Emissions Change	-1.29	-0.13	-1.63	0.60	-2.45

Notes:
1. H_2S emissions from the combustion devices are based on 98% conversion to sulfur oxides in the combustion process.
2. Actual H_2S emissions for existing devices calculated from data compiled to report SO_2 emissions to ISO New England.
3. The reduction in H_2S emissions from the Stage 1 and Stage 2 facilities is due to the installation of a treatment system to remove sulfur from the landfill gas. Potential emissions are based on a maximum post-treatment sulfur concentration of 100 ppmv as H_2S in the landfill gas.

SUPPORTING CALCULATIONS
OFFSET REQUIREMENT CALCULATION

Rhode Island Central Genco, LLC
Johnston, Rhode Island

For the purposes of determining the net emissions increase/decrease the only contemporaneous increase/decrease considered was the removal of the existing RPPP plant. In 2005, the Stage 2 facility began operation. However, because the Stage 2 facility was issued a major source permit, the emissions increase from from the Stage 1 and Stage 2 facilities were considered in the issuance of the major source permit for Stage 2 and are not included in the net emissions increase for this project.

Existing Emissions from RPPP Plant

Pollutant	2005	2006	Average	
NO_X	64.243	66.68	65.46	as reported to RIDEM
CO	321.95	315.87	318.91	as reported to RIDEM
VOC	12.32	11.28	11.80	as reported to RIDEM
PM	24.35	24.94	24.65	as reported to ISO
SO_2	45.60	121.74	83.67	as reported to ISO

Emissions offsets in the form of ERCs must be obtained for NO_X emissions at a ratio of 1.2 to 1 for the net emissions increase, which accounts for the decrease from the removal of the RPPP facility.

Pollutant	Emissions from Proposed Plant	Decreases from Removal of RPPP Facility	Net Increase	Offset Requirement
NO_X	162.10	-65.46	96.64	116
VOC	41.56	-11.80	29.76	36

SUPPORTING CALCULATIONS
MISCELLANEOUS CALCULATIONS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

Existing Facility - Potential VOC Emissions

In accordance with RIAPC Regulation 9.4.2(a)(3), a major modification to an existing facility which has potential emissions greater than 50 tons, but less than 100 tons, BACT is required instead of LAER. As calculated below, the existing Ridgewood facilities have potential VOC emissions in this range. Therefore, for a major VOC modification, LAER is not required.

RPPP Facility:	92.9 tons/yr
Stage 1 Facility:	5.4 tons/yr
Stage 2 Facility:	13.4 tons/yr
Total:	111.7 tons/yr

Retention Time for Regen Flare

Flare Parameters

Flare Height:	40.0 ft
Height of Burner Deck:	5.0 ft
Inside Diameter:	4.67 ft
Flow Rate @1600º F & max. capacity:	44,594 ft3/min

Volume above burner deck

40.0 ft	-	5.0 ft	=	35.0 ft			
4.67 ft	x	4.67 ft	x	3.14159	÷	4	=	17.10 ft2
35.0 ft	x	17.10 ft2	=	598.6 ft3			

Retention Time

44,594 ft3/min	÷	60 sec/min	=	743.2 ft3/sec
598.6 ft3	÷	743.2 ft3/sec	=	0.81 sec

Retention Time for Backup Flare Flare

Flare Parameters

Flare Height:	40.0 ft
Height of Burner Deck:	5.0 ft
Inside Diameter:	10.67 ft
Flow Rate @1600º F & max. capacity:	169,522 ft3/min

Volume above burner deck

40.0 ft	-	5.0 ft	=	35.0 ft			
10.67 ft	x	10.67 ft	x	3.14159	÷	4	=	89.42 ft2
35.0 ft	x	89.42 ft2	=	3129.6 ft3			

Retention Time

169,522 ft3/min	÷	60 sec/min	=	2825.4 ft3/sec
3129.6 ft3	÷	2825.4 ft3/sec	=	1.11 sec

Flare exhaust volumes at 1500º F (for application form)

John Zink did not provide operating data for 1500º F, the minimum expected operating temperature of the flares, where the exhaust flow will be highest. Based on data for other similar flares, the acfm at 1500º F is 3% higher than the flow rate at 1600º F.

Regen Flare	44,594 ft3/min	x	103%	=	45,932 ft3/min
Backup Flares	169,522 ft3/min	x	103%	=	174,607 ft3/min

SUPPORTING CALCULATIONS
Rhode Island Central Genco, LLC
Johnston, Rhode Island

LFG COMPOSITION

The composition of landfill gas (LFG) for application forms was based on Method 3C analysis of samples taken on March 26, 2008 from Phases IV and V. Values are in volume percent, dry basis.

Constituent	Phase IV East	Phase IV RF2	Phase V	Phase IV & V ULE	Average
O_2	0.29%	0.43%	0.34%	0.36%	0.36%
N_2	6.73%	6.55%	5.31%	5.77%	6.09%
CH_4	51.8%	53.3%	51.5%	51.3%	52.0%
CO_2	41.2%	39.7%	42.8%	42.5%	41.6%
Molecular Weight	28.42	28.00	28.69	28.67	28.44

APPENDIX C

WORST-CASE LOAD MODEL RESULTS

TABLE C-1

WORST-CASE LOAD MODELING SUMMARY FOR REGEN FLARE

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Simple Terrain 1986 ($\mu g/m^3$)	Simple Terrain 1987 ($\mu g/m^3$)	Simple Terrain 1988 ($\mu g/m^3$)	Simple Terrain 1989 ($\mu g/m^3$)	Simple Terrain 1990 ($\mu g/m^3$)	Maximum ($\mu g/m^3$)
REGEN FLARE 100% Load						
3- Hour	34.42	**37.03**	32.19	35.38	35.68	37.03
24-Hour	18.36	**21.22**	17.74	16.40	20.30	21.22
Annual	1.63	**1.84**	1.79	1.69	1.60	1.84
1- Hour	41.39	41.09	**41.70**	40.98	40.74	41.70
8-Hour	26.87	**32.51**	25.34	27.05	29.89	32.51
REGEN FLARE 75% Load						
3- Hour	32.45	33.42	31.61	**34.59**	33.25	34.59
24-Hour	18.18	19.29	17.71	16.47	**20.20**	20.20
Annual	1.68	1.76	**1.83**	1.73	1.64	1.83
1- Hour	36.69	36.93	**38.38**	37.57	37.13	38.38
8-Hour	26.09	**29.07**	25.04	26.18	27.41	29.07
REGEN FLARE 50% Load						
3- Hour	27.57	**29.82**	28.53	29.48	29.15	29.82
24-Hour	17.29	18.31	17.38	16.68	**19.46**	19.46
Annual	1.86	1.78	**2.02**	1.86	1.73	2.02
1- Hour	31.53	31.42	**34.35**	31.20	31.42	34.35
8-Hour	24.16	24.41	23.67	22.91	**24.67**	24.67
REGEN FLARE 40% load						
3- Hour	25.61	26.36	26.36	25.83	**26.57**	26.57
24-Hour	15.71	16.95	16.66	15.03	**17.17**	17.17
Annual	1.91	1.83	**2.07**	1.92	1.77	2.07
1- Hour	28.95	28.59	**30.02**	28.27	28.05	30.02
8-Hour	**22.97**	21.86	21.90	21.64	22.26	22.97
REGEN FLARE 20% Load						
3- Hour	18.49	18.60	18.71	**18.72**	18.41	18.72
24-Hour	12.20	11.97	**13.21**	12.03	13.10	13.21
Annual	1.74	1.76	**1.89**	1.76	1.62	1.89
1- Hour	21.55	21.56	21.40	19.69	**21.60**	21.60
8-Hour	15.96	16.08	16.43	**16.83**	15.90	16.83

TABLE C-2

WORST-CASE LOAD MODELING SUMMARY FOR BACKUP FLARES

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Simple Terrain 1986 ($\mu g/m^3$)	Simple Terrain 1987 ($\mu g/m^3$)	Simple Terrain 1988 ($\mu g/m^3$)	Simple Terrain 1989 ($\mu g/m^3$)	Simple Terrain 1990 ($\mu g/m^3$)	Maximum ($\mu g/m^3$)
BACKUP FLARES 100% Load						
3- Hour	**91.22**	83.17	57.50	46.95	53.81	91.22
24-Hour	**32.90**	23.25	17.63	15.31	21.88	32.90
Annual	1.25	**1.40**	1.34	1.08	1.14	1.40
1- Hour	**111.40**	107.87	87.91	85.14	83.09	111.40
8-Hour	**69.91**	51.30	33.92	35.87	41.76	69.91
BACKUP 75% Load						
3- Hour	**106.38**	94.68	75.46	75.20	87.28	106.38
24-Hour	**49.54**	41.27	34.22	29.60	38.35	49.54
Annual	1.98	**2.03**	1.63	1.35	1.40	2.03
1- Hour	**135.71**	125.39	103.41	107.70	111.02	135.71
8-Hour	**78.80**	69.03	57.35	55.23	72.84	78.80
BACKUP 50% Load						
3- Hour	**135.58**	111.20	84.34	101.22	107.82	135.58
24-Hour	59.48	**59.90**	50.67	49.66	53.75	59.90
Annual	3.81	**4.43**	3.09	3.01	3.00	4.43
1- Hour	158.70	121.73	107.62	139.30	**168.29**	168.29
8-Hour	**108.18**	85.97	67.83	82.24	84.72	108.18
BACKUP 40% load						
3- Hour	**141.81**	107.40	108.91	103.11	127.84	141.81
24-Hour	61.69	**62.77**	59.59	60.42	59.28	62.77
Annual	4.88	**5.64**	4.01	3.94	4.14	5.64
1- Hour	164.03	121.52	139.65	170.57	**187.66**	187.66
8-Hour	**124.11**	84.17	81.62	89.86	109.21	124.11
BACKUP 35% Load						
3- Hour	129.96	98.25	119.85	111.49	**136.50**	136.50
24-Hour	60.41	62.16	61.37	63.13	**69.74**	69.74
Annual	5.41	**6.21**	4.85	4.42	5.42	6.21
1- Hour	155.88	117.30	154.86	172.03	**184.84**	184.84
8-Hour	**121.10**	81.36	96.46	102.86	116.26	121.10
BACKUP FLARE 25% Load						
3- Hour	111.74	101.77	**142.86**	118.92	140.10	142.86
24-Hour	61.38	56.51	57.39	53.40	**84.36**	84.36
Annual	6.53	7.07	8.04	6.98	**8.56**	8.56
1- Hour	143.88	132.65	162.79	156.74	**169.37**	169.37
8-Hour	102.54	72.89	114.64	109.04	**118.30**	118.30

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
1	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	FLARE100	1ST	1.25346	289608.69	4630604	119	1 YRS	CLF_86.SFC	11	11	1872
2	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	FLARE75	1ST	1.98188	289560.5	4630651.5	111	1 YRS	CLF_86.SFC	11	11	1872
3	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	FLARE50	1ST	3.80894	289568.66	4630648.5	111	1 YRS	CLF_86.SFC	11	11	1872
4	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	FLARE25	1ST	6.52559	289583.41	4630680.5	108	1 YRS	CLF_86.SFC	11	11	1872
5	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	FLARE40	1ST	4.88361	289568.66	4630648.5	111	1 YRS	CLF_86.SFC	11	11	1872
6	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	FLARE35	1ST	5.41223	289568.66	4630648.5	111	1 YRS	CLF_86.SFC	11	11	1872
7	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	REGEN100	1ST	1.63061	289773	4630673	103	1 YRS	CLF_86.SFC	11	11	1872
8	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	REGEN75	1ST	1.6775	289736.59	4630680.5	106	1 YRS	CLF_86.SFC	11	11	1872
9	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	REGEN50	1ST	1.86158	289720.72	4630699	106	1 YRS	CLF_86.SFC	11	11	1872
10	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	REGEN40	1ST	1.91495	289720.72	4630699	106	1 YRS	CLF_86.SFC	11	11	1872
11	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	ANNUAL	REGEN20	1ST	1.74108	289720.72	4630699	106	1 YRS	CLF_86.SFC	11	11	1872
12	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE100	1ST	140.95453	289560.5	4630651.5	111	86042306	CLF_86.SFC	11	11	1872
13	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE100	2ND	111.39505	289560.5	4630651.5	111	86041812	CLF_86.SFC	11	11	1872
14	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE75	1ST	145.12575	289560.5	4630651.5	111	86121907	CLF_86.SFC	11	11	1872
15	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE75	2ND	135.70549	289560.5	4630651.5	111	86042306	CLF_86.SFC	11	11	1872
16	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE50	1ST	169.52744	289583.41	4630680.5	108	86031918	CLF_86.SFC	11	11	1872
17	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE50	2ND	158.69521	289583.41	4630680.5	108	86031921	CLF_86.SFC	11	11	1872
18	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE25	1ST	166.61711	289583.41	4630680.5	108	86012013	CLF_86.SFC	11	11	1872
19	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE25	2ND	143.88171	289583.41	4630680.5	108	86011217	CLF_86.SFC	11	11	1872
20	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE40	1ST	169.32928	289583.41	4630680.5	108	86031918	CLF_86.SFC	11	11	1872
21	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE40	2ND	164.03349	289583.41	4630680.5	108	86031921	CLF_86.SFC	11	11	1872
22	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE35	1ST	156.36115	289583.41	4630680.5	108	86012013	CLF_86.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
23	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	FLARE35	2ND	155.87692	289583.41	4630680.5	108	86031921	CLF_86.SFC	11	11	1872
24	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN100	1ST	42.38231	289713.97	4630724.5	105	86030720	CLF_86.SFC	11	11	1872
25	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN100	2ND	41.39202	289698.31	4630777	100	86031921	CLF_86.SFC	11	11	1872
26	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN75	1ST	37.37158	289611.31	4630705	106	86041720	CLF_86.SFC	11	11	1872
27	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN75	2ND	36.68877	289713.97	4630724.5	105	86030723	CLF_86.SFC	11	11	1872
28	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN50	1ST	33.6047	289616.69	4630770	106	86120304	CLF_86.SFC	11	11	1872
29	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN50	2ND	31.53169	289621.69	4630777	105	86012524	CLF_86.SFC	11	11	1872
30	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN40	1ST	30.74146	289616.69	4630770	106	86120304	CLF_86.SFC	11	11	1872
31	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN40	2ND	28.94983	289621.69	4630777	105	86012524	CLF_86.SFC	11	11	1872
32	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN20	1ST	21.55414	289616.69	4630770	106	86120302	CLF_86.SFC	11	11	1872
33	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	1-HR	REGEN20	2ND	21.55041	289616.69	4630770	106	86120301	CLF_86.SFC	11	11	1872
34	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE100	1ST	95.08746	289560.5	4630651.5	111	86041812	CLF_86.SFC	11	11	1872
35	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE100	2ND	91.22253	289564.44	4630649.5	111	86051212	CLF_86.SFC	11	11	1872
36	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE75	1ST	110.08484	289583.41	4630680.5	108	86031918	CLF_86.SFC	11	11	1872
37	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE75	2ND	106.37797	289583.41	4630680.5	108	86031915	CLF_86.SFC	11	11	1872
38	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE50	1ST	155.24763	289583.41	4630680.5	108	86031918	CLF_86.SFC	11	11	1872
39	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE50	2ND	135.57648	289583.41	4630680.5	108	86032615	CLF_86.SFC	11	11	1872
40	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE25	1ST	123.05185	289583.41	4630680.5	108	86010609	CLF_86.SFC	11	11	1872
41	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE25	2ND	111.73605	289583.41	4630680.5	108	86031921	CLF_86.SFC	11	11	1872
42	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE40	1ST	151.38002	289583.41	4630680.5	108	86031918	CLF_86.SFC	11	11	1872
43	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE40	2ND	141.80627	289583.41	4630680.5	108	86031921	CLF_86.SFC	11	11	1872
44	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE35	1ST	143.25938	289583.41	4630680.5	108	86031921	CLF_86.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
45	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	FLARE35	2ND	129.95541	289583.41	4630680.5	108	86031918	CLF_86.SFC	11	11	1872
46	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN100	1ST	38.73645	289713.97	4630724.5	105	86030721	CLF_86.SFC	11	11	1872
47	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN100	2ND	34.41935	289623	4630673	106	86042503	CLF_86.SFC	11	11	1872
48	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN75	1ST	35.37284	289673	4630673	107	86032103	CLF_86.SFC	11	11	1872
49	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN75	2ND	32.44844	289634.34	4630674.5	105	86042503	CLF_86.SFC	11	11	1872
50	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN50	1ST	29.34514	289671.47	4630690.5	104	86032103	CLF_86.SFC	11	11	1872
51	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN50	2ND	27.56616	289708.22	4630687.5	107	86022203	CLF_86.SFC	11	11	1872
52	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN40	1ST	27.21926	289710	4630745	104	86082503	CLF_86.SFC	11	11	1872
53	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN40	2ND	25.61225	289673	4630673	107	86040306	CLF_86.SFC	11	11	1872
54	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN20	1ST	19.04336	289698.31	4630713	104	86031121	CLF_86.SFC	11	11	1872
55	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	3-HR	REGEN20	2ND	18.49424	289673	4630673	107	86013009	CLF_86.SFC	11	11	1872
56	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE100	1ST	70.36101	289560.5	4630651.5	111	86041916	CLF_86.SFC	11	11	1872
57	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE100	2ND	69.90869	289560.5	4630651.5	111	86041816	CLF_86.SFC	11	11	1872
58	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE75	1ST	84.83349	289560.5	4630651.5	111	86041916	CLF_86.SFC	11	11	1872
59	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE75	2ND	78.79955	289560.5	4630651.5	111	86041816	CLF_86.SFC	11	11	1872
60	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE50	1ST	119.39178	289583.41	4630680.5	108	86032616	CLF_86.SFC	11	11	1872
61	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE50	2ND	108.17925	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872
62	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE25	1ST	108.61914	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872
63	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE25	2ND	102.54039	289583.41	4630680.5	108	86032616	CLF_86.SFC	11	11	1872
64	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE40	1ST	126.6535	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872
65	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE40	2ND	124.11289	289583.41	4630680.5	108	86032616	CLF_86.SFC	11	11	1872
66	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE35	1ST	124.75018	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
67	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	FLARE35	2ND	121.102	289583.41	4630680.5	108	86032616	CLF_86.SFC	11	11	1872
68	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN100	1ST	32.63414	289713.97	4630724.5	105	86030724	CLF_86.SFC	11	11	1872
69	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN100	2ND	26.87204	289708.22	4630687.5	107	86032024	CLF_86.SFC	11	11	1872
70	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN75	1ST	30.03447	289713.97	4630724.5	105	86030724	CLF_86.SFC	11	11	1872
71	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN75	2ND	26.0886	289730.47	4630719.5	104	86030724	CLF_86.SFC	11	11	1872
72	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN50	1ST	26.68839	289703.31	4630770	101	86031924	CLF_86.SFC	11	11	1872
73	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN50	2ND	24.16187	289713.97	4630724.5	105	86030724	CLF_86.SFC	11	11	1872
74	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN40	1ST	24.34379	289611.31	4630705	106	86041724	CLF_86.SFC	11	11	1872
75	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN40	2ND	22.96975	289673	4630673	107	86123024	CLF_86.SFC	11	11	1872
76	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN20	1ST	17.22668	289707	4630728	104	86082424	CLF_86.SFC	11	11	1872
77	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	8-HR	REGEN20	2ND	15.95755	289635	4630701.5	103	86073108	CLF_86.SFC	11	11	1872
78	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE100	1ST	36.28093	289560.5	4630651.5	111	86041824	CLF_86.SFC	11	11	1872
79	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE100	2ND	32.90311	289560.5	4630651.5	111	86042524	CLF_86.SFC	11	11	1872
80	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE75	1ST	52.36458	289560.5	4630651.5	111	86042524	CLF_86.SFC	11	11	1872
81	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE75	2ND	49.5425	289560.5	4630651.5	111	86041824	CLF_86.SFC	11	11	1872
82	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE50	1ST	68.93325	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872
83	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE50	2ND	59.47557	289560.5	4630651.5	111	86041824	CLF_86.SFC	11	11	1872
84	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE25	1ST	63.33864	289583.41	4630680.5	108	86032624	CLF_86.SFC	11	11	1872
85	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE25	2ND	61.37502	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872
86	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE40	1ST	73.65705	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872
87	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE40	2ND	61.69065	289560.5	4630651.5	111	86041824	CLF_86.SFC	11	11	1872
88	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE35	1ST	71.52238	289583.41	4630680.5	108	86031924	CLF_86.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
89	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	FLARE35	2ND	60.4061	289560.5	4630651.5	111	86041824	CLF_86.SFC	11	11	1872
90	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN100	1ST	23.16795	289713.97	4630724.5	105	86030724	CLF_86.SFC	11	11	1872
91	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN100	2ND	18.36337	289610	4630658.5	108	86042324	CLF_86.SFC	11	11	1872
92	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN75	1ST	22.71476	289713.97	4630724.5	105	86030724	CLF_86.SFC	11	11	1872
93	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN75	2ND	18.18089	289623	4630673	106	86042524	CLF_86.SFC	11	11	1872
94	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN50	1ST	19.83348	289707	4630728	104	86030724	CLF_86.SFC	11	11	1872
95	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN50	2ND	17.29135	289622.25	4630681.5	105	86042324	CLF_86.SFC	11	11	1872
96	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN40	1ST	18.1493	289707	4630728	104	86030724	CLF_86.SFC	11	11	1872
97	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN40	2ND	15.71317	289620	4630690	105	86042324	CLF_86.SFC	11	11	1872
98	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN20	1ST	13.17936	289698.31	4630713	104	86032024	CLF_86.SFC	11	11	1872
99	AERMOD	Flares worst case load_1986_UNIT.USF	UNIT	24-HR	REGEN20	2ND	12.20336	289635	4630701.5	103	86041824	CLF_86.SFC	11	11	1872
100	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	FLARE100	1ST	1.39949	289586.03	4630599	119	1 YRS	CLF_87.SFC	11	11	1872
101	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	FLARE75	1ST	2.03086	289568.66	4630648.5	111	1 YRS	CLF_87.SFC	11	11	1872
102	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	FLARE50	1ST	4.42647	289568.66	4630648.5	111	1 YRS	CLF_87.SFC	11	11	1872
103	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	FLARE25	1ST	7.07099	289568.66	4630648.5	111	1 YRS	CLF_87.SFC	11	11	1872
104	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	FLARE40	1ST	5.63995	289568.66	4630648.5	111	1 YRS	CLF_87.SFC	11	11	1872
105	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	FLARE35	1ST	6.21075	289568.66	4630648.5	111	1 YRS	CLF_87.SFC	11	11	1872
106	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	REGEN100	1ST	1.83852	289649.59	4630608.5	117	1 YRS	CLF_87.SFC	11	11	1872
107	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	REGEN75	1ST	1.75884	289660	4630645	110	1 YRS	CLF_87.SFC	11	11	1872
108	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	REGEN50	1ST	1.78447	289660	4630645	110	1 YRS	CLF_87.SFC	11	11	1872
109	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	REGEN40	1ST	1.82768	289708.22	4630687.5	107	1 YRS	CLF_87.SFC	11	11	1872
110	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	ANNUAL	REGEN20	1ST	1.76047	289717.47	4630697	106	1 YRS	CLF_87.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
111	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE100	1ST	111.97741	289560.5	4630651.5	111	87041310	CLF_87.SFC	11	11	1872
112	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE100	2ND	107.86736	289560.5	4630651.5	111	87041315	CLF_87.SFC	11	11	1872
113	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE75	1ST	133.48744	289568.66	4630648.5	111	87010209	CLF_87.SFC	11	11	1872
114	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE75	2ND	125.39168	289568.66	4630648.5	111	87010211	CLF_87.SFC	11	11	1872
115	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE50	1ST	137.87079	289568.66	4630648.5	111	87010209	CLF_87.SFC	11	11	1872
116	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE50	2ND	121.73002	289568.66	4630648.5	111	87010208	CLF_87.SFC	11	11	1872
117	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE25	1ST	142.37181	289583.41	4630680.5	108	87012304	CLF_87.SFC	11	11	1872
118	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE25	2ND	132.65227	289583.41	4630680.5	108	87012311	CLF_87.SFC	11	11	1872
119	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE40	1ST	123.78074	289560.5	4630651.5	111	87010207	CLF_87.SFC	11	11	1872
120	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE40	2ND	121.51844	289560.5	4630651.5	111	87010204	CLF_87.SFC	11	11	1872
121	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE35	1ST	117.65701	289583.41	4630680.5	108	87052211	CLF_87.SFC	11	11	1872
122	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	FLARE35	2ND	117.30099	289560.5	4630651.5	111	87010207	CLF_87.SFC	11	11	1872
123	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN100	1ST	42.86653	289621.69	4630777	105	87102804	CLF_87.SFC	11	11	1872
124	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN100	2ND	41.0901	289673	4630673	107	87111205	CLF_87.SFC	11	11	1872
125	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN75	1ST	41.24088	289616.69	4630770	106	87102803	CLF_87.SFC	11	11	1872
126	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN75	2ND	36.93212	289673	4630673	107	87111205	CLF_87.SFC	11	11	1872
127	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN50	1ST	34.96008	289616.69	4630770	106	87102803	CLF_87.SFC	11	11	1872
128	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN50	2ND	31.42023	289613	4630762	105	87040420	CLF_87.SFC	11	11	1872
129	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN40	1ST	30.57661	289616.69	4630770	106	87102803	CLF_87.SFC	11	11	1872
130	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN40	2ND	28.59291	289616.69	4630770	106	87040407	CLF_87.SFC	11	11	1872
131	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN20	1ST	21.99774	289616.69	4630770	106	87121517	CLF_87.SFC	11	11	1872
132	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	1-HR	REGEN20	2ND	21.55766	289616.69	4630770	106	87121519	CLF_87.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
133	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE100	1ST	86.02957	289560.5	4630651.5	111	87041315	CLF_87.SFC	11	11	1872
134	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE100	2ND	83.16611	289560.5	4630651.5	111	87041312	CLF_87.SFC	11	11	1872
135	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE75	1ST	109.05863	289568.66	4630648.5	111	87010212	CLF_87.SFC	11	11	1872
136	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE75	2ND	94.67633	289568.66	4630648.5	111	87020915	CLF_87.SFC	11	11	1872
137	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE50	1ST	116.96015	289568.66	4630648.5	111	87020915	CLF_87.SFC	11	11	1872
138	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE50	2ND	111.19886	289568.66	4630648.5	111	87010212	CLF_87.SFC	11	11	1872
139	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE25	1ST	103.72549	289583.41	4630680.5	108	87110312	CLF_87.SFC	11	11	1872
140	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE25	2ND	101.77389	289583.41	4630680.5	108	87100409	CLF_87.SFC	11	11	1872
141	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE40	1ST	110.13956	289564.44	4630649.5	111	87010206	CLF_87.SFC	11	11	1872
142	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE40	2ND	107.398	289564.44	4630649.5	111	87010209	CLF_87.SFC	11	11	1872
143	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE35	1ST	105.4921	289564.44	4630649.5	111	87010206	CLF_87.SFC	11	11	1872
144	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	FLARE35	2ND	98.25128	289568.66	4630648.5	111	87012618	CLF_87.SFC	11	11	1872
145	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN100	1ST	39.05829	289685.66	4630674.5	107	87020921	CLF_87.SFC	11	11	1872
146	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN100	2ND	37.02898	289685.66	4630674.5	107	87111206	CLF_87.SFC	11	11	1872
147	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN75	1ST	36.76581	289685.66	4630674.5	107	87020921	CLF_87.SFC	11	11	1872
148	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN75	2ND	33.42444	289685.66	4630674.5	107	87121706	CLF_87.SFC	11	11	1872
149	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN50	1ST	30.05748	289685.66	4630674.5	107	87020921	CLF_87.SFC	11	11	1872
150	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN50	2ND	29.81831	289685.66	4630674.5	107	87121706	CLF_87.SFC	11	11	1872
151	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN40	1ST	26.88548	289611.31	4630705	106	87041303	CLF_87.SFC	11	11	1872
152	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN40	2ND	26.36127	289611.31	4630705	106	87012221	CLF_87.SFC	11	11	1872
153	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN20	1ST	18.96339	289710	4630745	104	87080424	CLF_87.SFC	11	11	1872
154	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	3-HR	REGEN20	2ND	18.59712	289627.88	4630706.5	104	87042506	CLF_87.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
155	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE100	1ST	80.85956	289560.5	4630651.5	111	87041316	CLF_87.SFC	11	11	1872
156	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE100	2ND	51.30255	289568.66	4630648.5	111	87041316	CLF_87.SFC	11	11	1872
157	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE75	1ST	91.66764	289560.5	4630651.5	111	87041316	CLF_87.SFC	11	11	1872
158	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE75	2ND	69.02815	289560.5	4630651.5	111	87032316	CLF_87.SFC	11	11	1872
159	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE50	1ST	86.58078	289568.66	4630648.5	111	87020916	CLF_87.SFC	11	11	1872
160	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE50	2ND	85.97144	289568.66	4630648.5	111	87010216	CLF_87.SFC	11	11	1872
161	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE25	1ST	87.09885	289583.41	4630680.5	108	87052216	CLF_87.SFC	11	11	1872
162	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE25	2ND	72.89327	289583.41	4630680.5	108	87012308	CLF_87.SFC	11	11	1872
163	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE40	1ST	96.5976	289560.5	4630651.5	111	87010208	CLF_87.SFC	11	11	1872
164	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE40	2ND	84.16525	289564.44	4630649.5	111	87111108	CLF_87.SFC	11	11	1872
165	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE35	1ST	95.55579	289560.5	4630651.5	111	87010208	CLF_87.SFC	11	11	1872
166	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	FLARE35	2ND	81.36393	289564.44	4630649.5	111	87111108	CLF_87.SFC	11	11	1872
167	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN100	1ST	35.14787	289685.66	4630674.5	107	87020924	CLF_87.SFC	11	11	1872
168	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN100	2ND	32.50918	289685.66	4630674.5	107	87111208	CLF_87.SFC	11	11	1872
169	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN75	1ST	33.69604	289685.66	4630674.5	107	87020924	CLF_87.SFC	11	11	1872
170	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN75	2ND	29.06667	289685.66	4630674.5	107	87111208	CLF_87.SFC	11	11	1872
171	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN50	1ST	28.00305	289685.66	4630674.5	107	87020924	CLF_87.SFC	11	11	1872
172	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN50	2ND	24.40898	289720.72	4630699	106	87011124	CLF_87.SFC	11	11	1872
173	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN40	1ST	24.30876	289685.66	4630674.5	107	87020924	CLF_87.SFC	11	11	1872
174	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN40	2ND	21.86173	289660	4630695	103	87030924	CLF_87.SFC	11	11	1872
175	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN20	1ST	17.78802	289703.31	4630720	104	87112208	CLF_87.SFC	11	11	1872
176	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	8-HR	REGEN20	2ND	16.08173	289703.31	4630720	104	87082324	CLF_87.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
177	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE100	1ST	40.75361	289560.5	4630651.5	111	87041324	CLF_87.SFC	11	11	1872
178	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE100	2ND	23.24601	289568.66	4630648.5	111	87041324	CLF_87.SFC	11	11	1872
179	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE75	1ST	55.32743	289560.5	4630651.5	111	87041324	CLF_87.SFC	11	11	1872
180	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE75	2ND	41.26702	289568.66	4630648.5	111	87111124	CLF_87.SFC	11	11	1872
181	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE50	1ST	65.3454	289568.66	4630648.5	111	87111124	CLF_87.SFC	11	11	1872
182	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE50	2ND	59.90235	289568.66	4630648.5	111	87031024	CLF_87.SFC	11	11	1872
183	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE25	1ST	57.32647	289568.66	4630648.5	111	87012624	CLF_87.SFC	11	11	1872
184	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE25	2ND	56.50997	289568.66	4630648.5	111	87111124	CLF_87.SFC	11	11	1872
185	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE40	1ST	69.53544	289568.66	4630648.5	111	87111124	CLF_87.SFC	11	11	1872
186	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE40	2ND	62.76945	289568.66	4630648.5	111	87031024	CLF_87.SFC	11	11	1872
187	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE35	1ST	67.99648	289568.66	4630648.5	111	87111124	CLF_87.SFC	11	11	1872
188	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	FLARE35	2ND	62.15679	289568.66	4630648.5	111	87012624	CLF_87.SFC	11	11	1872
189	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN100	1ST	22.18152	289634.34	4630815.5	99	87033124	CLF_87.SFC	11	11	1872
190	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN100	2ND	21.22079	289660	4630645	110	87031024	CLF_87.SFC	11	11	1872
191	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN75	1ST	21.84978	289708.22	4630687.5	107	87112124	CLF_87.SFC	11	11	1872
192	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN75	2ND	19.29449	289660	4630645	110	87031024	CLF_87.SFC	11	11	1872
193	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN50	1ST	19.88775	289708.22	4630687.5	107	87112124	CLF_87.SFC	11	11	1872
194	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN50	2ND	18.31032	289660	4630670	106	87012624	CLF_87.SFC	11	11	1872
195	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN40	1ST	17.9012	289708.22	4630687.5	107	87112124	CLF_87.SFC	11	11	1872
196	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN40	2ND	16.94923	289660	4630670	106	87031024	CLF_87.SFC	11	11	1872
197	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN20	1ST	13.4547	289698.31	4630713	104	87112124	CLF_87.SFC	11	11	1872
198	AERMOD	Flares worst case load_1987_UNIT.USF	UNIT	24-HR	REGEN20	2ND	11.96931	289685.66	4630674.5	107	87121724	CLF_87.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
199	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	FLARE100	1ST	1.33815	289608.69	4630604	119	1 YRS	CLF_88.SFC	11	11	1872
200	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	FLARE75	1ST	1.62817	289590.09	4630626	114	1 YRS	CLF_88.SFC	11	11	1872
201	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	FLARE50	1ST	3.08696	289568.66	4630648.5	111	1 YRS	CLF_88.SFC	11	11	1872
202	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	FLARE25	1ST	8.04227	289583.41	4630680.5	108	1 YRS	CLF_88.SFC	11	11	1872
203	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	FLARE40	1ST	4.01392	289592.16	4630657	109	1 YRS	CLF_88.SFC	11	11	1872
204	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	FLARE35	1ST	4.85389	289583.41	4630680.5	108	1 YRS	CLF_88.SFC	11	11	1872
205	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	REGEN100	1ST	1.78838	289773	4630673	103	1 YRS	CLF_88.SFC	11	11	1872
206	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	REGEN75	1ST	1.8263	289773	4630673	103	1 YRS	CLF_88.SFC	11	11	1872
207	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	REGEN50	1ST	2.01962	289720.72	4630699	106	1 YRS	CLF_88.SFC	11	11	1872
208	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	REGEN40	1ST	2.07437	289720.72	4630699	106	1 YRS	CLF_88.SFC	11	11	1872
209	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	ANNUAL	REGEN20	1ST	1.89403	289724.94	4630707.5	105	1 YRS	CLF_88.SFC	11	11	1872
210	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE100	1ST	90.87592	289560.5	4630651.5	111	88050712	CLF_88.SFC	11	11	1872
211	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE100	2ND	87.90527	289564.44	4630649.5	111	88040810	CLF_88.SFC	11	11	1872
212	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE75	1ST	111.16289	289560.5	4630651.5	111	88081803	CLF_88.SFC	11	11	1872
213	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE75	2ND	103.4147	289564.44	4630649.5	111	88050709	CLF_88.SFC	11	11	1872
214	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE50	1ST	131.20018	289583.41	4630680.5	108	88022213	CLF_88.SFC	11	11	1872
215	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE50	2ND	107.62099	289568.66	4630648.5	111	88122211	CLF_88.SFC	11	11	1872
216	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE25	1ST	163.93306	289583.41	4630680.5	108	88122810	CLF_88.SFC	11	11	1872
217	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE25	2ND	162.79396	289583.41	4630680.5	108	88022212	CLF_88.SFC	11	11	1872
218	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE40	1ST	165.1732	289583.41	4630680.5	108	88022213	CLF_88.SFC	11	11	1872
219	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE40	2ND	139.64954	289583.41	4630680.5	108	88122814	CLF_88.SFC	11	11	1872
220	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE35	1ST	172.63634	289583.41	4630680.5	108	88022213	CLF_88.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
221	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	FLARE35	2ND	154.85597	289583.41	4630680.5	108	88122814	CLF_88.SFC	11	11	1872
222	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN100	1ST	45.23688	289616.69	4630770	106	88110122	CLF_88.SFC	11	11	1872
223	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN100	2ND	41.70304	289713.97	4630724.5	105	88112023	CLF_88.SFC	11	11	1872
224	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN75	1ST	42.24133	289616.69	4630770	106	88110122	CLF_88.SFC	11	11	1872
225	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN75	2ND	38.37873	289616.69	4630770	106	88102205	CLF_88.SFC	11	11	1872
226	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN50	1ST	34.53268	289616.69	4630770	106	88110121	CLF_88.SFC	11	11	1872
227	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN50	2ND	34.34727	289616.69	4630770	106	88110122	CLF_88.SFC	11	11	1872
228	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN40	1ST	31.27271	289616.69	4630770	106	88110121	CLF_88.SFC	11	11	1872
229	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN40	2ND	30.0188	289616.69	4630770	106	88110119	CLF_88.SFC	11	11	1872
230	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN20	1ST	21.73349	289616.69	4630770	106	88021922	CLF_88.SFC	11	11	1872
231	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	1-HR	REGEN20	2ND	21.40475	289616.69	4630770	106	88110119	CLF_88.SFC	11	11	1872
232	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE100	1ST	85.14787	289560.5	4630651.5	111	88050712	CLF_88.SFC	11	11	1872
233	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE100	2ND	57.50031	289564.44	4630649.5	111	88050709	CLF_88.SFC	11	11	1872
234	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE75	1ST	98.53336	289560.5	4630651.5	111	88050712	CLF_88.SFC	11	11	1872
235	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE75	2ND	75.45925	289560.5	4630651.5	111	88050709	CLF_88.SFC	11	11	1872
236	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE50	1ST	92.49346	289568.66	4630648.5	111	88010824	CLF_88.SFC	11	11	1872
237	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE50	2ND	84.33904	289568.66	4630648.5	111	88040912	CLF_88.SFC	11	11	1872
238	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE25	1ST	151.15318	289583.41	4630680.5	108	88122815	CLF_88.SFC	11	11	1872
239	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE25	2ND	142.8606	289583.41	4630680.5	108	88122812	CLF_88.SFC	11	11	1872
240	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE40	1ST	127.49519	289583.41	4630680.5	108	88122815	CLF_88.SFC	11	11	1872
241	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE40	2ND	108.91083	289583.41	4630680.5	108	88022215	CLF_88.SFC	11	11	1872
242	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE35	1ST	144.33165	289583.41	4630680.5	108	88122815	CLF_88.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
243	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	FLARE35	2ND	119.84968	289583.41	4630680.5	108	88022215	CLF_88.SFC	11	11	1872
244	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN100	1ST	37.79846	289660	4630645	110	88010824	CLF_88.SFC	11	11	1872
245	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN100	2ND	32.18956	289660	4630645	110	88041021	CLF_88.SFC	11	11	1872
246	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN75	1ST	35.56322	289697.5	4630680	107	88011409	CLF_88.SFC	11	11	1872
247	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN75	2ND	31.61309	289720.72	4630699	106	88042203	CLF_88.SFC	11	11	1872
248	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN50	1ST	30.95121	289616.69	4630770	106	88110121	CLF_88.SFC	11	11	1872
249	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN50	2ND	28.52664	289713.97	4630724.5	105	88060521	CLF_88.SFC	11	11	1872
250	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN40	1ST	28.78698	289616.69	4630770	106	88110121	CLF_88.SFC	11	11	1872
251	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN40	2ND	26.36075	289713.97	4630724.5	105	88042503	CLF_88.SFC	11	11	1872
252	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN20	1ST	19.0558	289616.69	4630770	106	88110121	CLF_88.SFC	11	11	1872
253	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	3-HR	REGEN20	2ND	18.70681	289713.97	4630724.5	105	88042424	CLF_88.SFC	11	11	1872
254	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE100	1ST	53.5815	289560.5	4630651.5	111	88050716	CLF_88.SFC	11	11	1872
255	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE100	2ND	33.91868	289560.5	4630651.5	111	88040816	CLF_88.SFC	11	11	1872
256	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE75	1ST	67.08194	289560.5	4630651.5	111	88050716	CLF_88.SFC	11	11	1872
257	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE75	2ND	57.34583	289560.5	4630651.5	111	88040816	CLF_88.SFC	11	11	1872
258	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE50	1ST	69.10931	289564.44	4630649.5	111	88040908	CLF_88.SFC	11	11	1872
259	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE50	2ND	67.82822	289560.5	4630651.5	111	88040816	CLF_88.SFC	11	11	1872
260	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE25	1ST	136.22585	289583.41	4630680.5	108	88122816	CLF_88.SFC	11	11	1872
261	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE25	2ND	114.64071	289583.41	4630680.5	108	88022216	CLF_88.SFC	11	11	1872
262	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE40	1ST	95.63179	289583.41	4630680.5	108	88122816	CLF_88.SFC	11	11	1872
263	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE40	2ND	81.62371	289583.41	4630680.5	108	88022216	CLF_88.SFC	11	11	1872
264	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE35	1ST	115.04745	289583.41	4630680.5	108	88122816	CLF_88.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
265	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	FLARE35	2ND	96.4622	289583.41	4630680.5	108	88022216	CLF_88.SFC	11	11	1872
266	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN100	1ST	29.91489	289720.72	4630699	106	88032024	CLF_88.SFC	11	11	1872
267	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN100	2ND	25.34269	289659.59	4630623	113	88121724	CLF_88.SFC	11	11	1872
268	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN75	1ST	28.7777	289720.72	4630699	106	88032024	CLF_88.SFC	11	11	1872
269	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN75	2ND	25.03684	289717.47	4630697	106	88032108	CLF_88.SFC	11	11	1872
270	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN50	1ST	25.61373	289660	4630670	106	88041024	CLF_88.SFC	11	11	1872
271	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN50	2ND	23.67177	289717.47	4630697	106	88032024	CLF_88.SFC	11	11	1872
272	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN40	1ST	24.10401	289611.31	4630705	106	88040608	CLF_88.SFC	11	11	1872
273	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN40	2ND	21.90329	289620	4630690	105	88040808	CLF_88.SFC	11	11	1872
274	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN20	1ST	17.30661	289621.69	4630713	104	88040608	CLF_88.SFC	11	11	1872
275	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	8-HR	REGEN20	2ND	16.43271	289627.88	4630706.5	104	88040808	CLF_88.SFC	11	11	1872
276	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE100	1ST	23.05192	289560.5	4630651.5	111	88050724	CLF_88.SFC	11	11	1872
277	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE100	2ND	17.62643	289585	4630615	116	88121124	CLF_88.SFC	11	11	1872
278	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE75	1ST	35.41475	289560.5	4630651.5	111	88040824	CLF_88.SFC	11	11	1872
279	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE75	2ND	34.22183	289560.5	4630651.5	111	88050724	CLF_88.SFC	11	11	1872
280	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE50	1ST	54.9129	289560.5	4630651.5	111	88040824	CLF_88.SFC	11	11	1872
281	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE50	2ND	50.6738	289560.5	4630651.5	111	88051924	CLF_88.SFC	11	11	1872
282	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE25	1ST	75.87129	289583.41	4630680.5	108	88122824	CLF_88.SFC	11	11	1872
283	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE25	2ND	57.38706	289583.41	4630680.5	108	88081024	CLF_88.SFC	11	11	1872
284	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE40	1ST	60.85189	289560.5	4630651.5	111	88040824	CLF_88.SFC	11	11	1872
285	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE40	2ND	59.58525	289560.5	4630651.5	111	88051924	CLF_88.SFC	11	11	1872
286	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE35	1ST	61.46932	289560.5	4630651.5	111	88051924	CLF_88.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
287	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	FLARE35	2ND	61.37276	289560.5	4630651.5	111	88040824	CLF_88.SFC	11	11	1872
288	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN100	1ST	22.00866	289671.47	4630655.5	108	88041024	CLF_88.SFC	11	11	1872
289	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN100	2ND	17.73507	289611.31	4630641	111	88040824	CLF_88.SFC	11	11	1872
290	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN75	1ST	21.83746	289673	4630673	107	88041024	CLF_88.SFC	11	11	1872
291	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN75	2ND	17.70811	289610	4630658.5	108	88051924	CLF_88.SFC	11	11	1872
292	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN50	1ST	20.25638	289673	4630673	107	88041024	CLF_88.SFC	11	11	1872
293	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN50	2ND	17.38465	289622.5	4630680	105	88051924	CLF_88.SFC	11	11	1872
294	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN40	1ST	18.34546	289673	4630673	107	88041024	CLF_88.SFC	11	11	1872
295	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN40	2ND	16.66206	289622.25	4630681.5	105	88051924	CLF_88.SFC	11	11	1872
296	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN20	1ST	14.38835	289698.31	4630713	104	88032124	CLF_88.SFC	11	11	1872
297	AERMOD	Flares worst case load_1988_UNIT.USF	UNIT	24-HR	REGEN20	2ND	13.21228	289635	4630701.5	103	88040824	CLF_88.SFC	11	11	1872
298	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	FLARE100	1ST	1.08203	289610.5	4630608	118	1 YRS	CLF_89.SFC	11	11	1872
299	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	FLARE75	1ST	1.35372	289621.22	4630615.5	116	1 YRS	CLF_89.SFC	11	11	1872
300	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	FLARE50	1ST	3.01364	289568.66	4630648.5	111	1 YRS	CLF_89.SFC	11	11	1872
301	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	FLARE25	1ST	6.98495	289583.41	4630680.5	108	1 YRS	CLF_89.SFC	11	11	1872
302	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	FLARE40	1ST	3.93926	289568.66	4630648.5	111	1 YRS	CLF_89.SFC	11	11	1872
303	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	FLARE35	1ST	4.41688	289568.66	4630648.5	111	1 YRS	CLF_89.SFC	11	11	1872
304	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	REGEN100	1ST	1.6947	289773	4630673	103	1 YRS	CLF_89.SFC	11	11	1872
305	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	REGEN75	1ST	1.7266	289773	4630673	103	1 YRS	CLF_89.SFC	11	11	1872
306	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	REGEN50	1ST	1.86456	289720.72	4630699	106	1 YRS	CLF_89.SFC	11	11	1872
307	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	REGEN40	1ST	1.91667	289720.72	4630699	106	1 YRS	CLF_89.SFC	11	11	1872
308	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	ANNUAL	REGEN20	1ST	1.75726	289724.94	4630707.5	105	1 YRS	CLF_89.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
309	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE100	1ST	98.84392	289592.16	4630657	109	89112118	CLF_89.SFC	11	11	1872
310	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE100	2ND	85.13837	289573.41	4630695	109	89111614	CLF_89.SFC	11	11	1872
311	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE75	1ST	116.64455	289564.44	4630649.5	111	89022411	CLF_89.SFC	11	11	1872
312	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE75	2ND	107.69539	289568.66	4630648.5	111	89112311	CLF_89.SFC	11	11	1872
313	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE50	1ST	162.51315	289583.41	4630680.5	108	89092305	CLF_89.SFC	11	11	1872
314	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE50	2ND	139.29822	289583.41	4630680.5	108	89092304	CLF_89.SFC	11	11	1872
315	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE25	1ST	160.6125	289583.41	4630680.5	108	89121608	CLF_89.SFC	11	11	1872
316	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE25	2ND	156.73576	289583.41	4630680.5	108	89011714	CLF_89.SFC	11	11	1872
317	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE40	1ST	186.41809	289583.41	4630680.5	108	89092305	CLF_89.SFC	11	11	1872
318	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE40	2ND	170.56622	289583.41	4630680.5	108	89092304	CLF_89.SFC	11	11	1872
319	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE35	1ST	183.11693	289583.41	4630680.5	108	89092305	CLF_89.SFC	11	11	1872
320	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	FLARE35	2ND	172.02853	289583.41	4630680.5	108	89092304	CLF_89.SFC	11	11	1872
321	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN100	1ST	41.97258	289697.5	4630680	107	89101422	CLF_89.SFC	11	11	1872
322	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN100	2ND	40.98425	289697.5	4630680	107	89112117	CLF_89.SFC	11	11	1872
323	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN75	1ST	37.81293	289697.5	4630680	107	89010418	CLF_89.SFC	11	11	1872
324	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN75	2ND	37.57102	289697.5	4630680	107	89010416	CLF_89.SFC	11	11	1872
325	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN50	1ST	31.29135	289602.53	4630697	107	89022404	CLF_89.SFC	11	11	1872
326	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN50	2ND	31.20397	289611.31	4630705	106	89030718	CLF_89.SFC	11	11	1872
327	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN40	1ST	28.84053	289611.31	4630705	106	89022404	CLF_89.SFC	11	11	1872
328	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN40	2ND	28.27138	289611.31	4630705	106	89033004	CLF_89.SFC	11	11	1872
329	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN20	1ST	20.10014	289616.69	4630770	106	89052403	CLF_89.SFC	11	11	1872
330	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	1-HR	REGEN20	2ND	19.68559	289616.69	4630770	106	89070520	CLF_89.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
331	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE100	1ST	67.62989	289573.41	4630695	109	89111615	CLF_89.SFC	11	11	1872
332	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE100	2ND	46.94519	289573.41	4630695	109	89050609	CLF_89.SFC	11	11	1872
333	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE75	1ST	91.87504	289568.66	4630648.5	111	89112312	CLF_89.SFC	11	11	1872
334	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE75	2ND	75.19648	289573.41	4630695	109	89050609	CLF_89.SFC	11	11	1872
335	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE50	1ST	116.17989	289583.41	4630680.5	108	89092306	CLF_89.SFC	11	11	1872
336	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE50	2ND	101.22329	289560.5	4630651.5	111	89022409	CLF_89.SFC	11	11	1872
337	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE25	1ST	122.43276	289583.41	4630680.5	108	89022121	CLF_89.SFC	11	11	1872
338	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE25	2ND	118.92437	289583.41	4630680.5	108	89111121	CLF_89.SFC	11	11	1872
339	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE40	1ST	143.72563	289583.41	4630680.5	108	89092306	CLF_89.SFC	11	11	1872
340	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE40	2ND	103.10651	289560.5	4630651.5	111	89022415	CLF_89.SFC	11	11	1872
341	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE35	1ST	147.07805	289583.41	4630680.5	108	89092306	CLF_89.SFC	11	11	1872
342	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	FLARE35	2ND	111.48774	289583.41	4630680.5	108	89092912	CLF_89.SFC	11	11	1872
343	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN100	1ST	37.21238	289730.47	4630719.5	104	89112106	CLF_89.SFC	11	11	1872
344	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN100	2ND	35.38496	289730.47	4630719.5	104	89112103	CLF_89.SFC	11	11	1872
345	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN75	1ST	35.55203	289713.97	4630724.5	105	89112106	CLF_89.SFC	11	11	1872
346	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN75	2ND	34.59431	289713.97	4630724.5	105	89112103	CLF_89.SFC	11	11	1872
347	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN50	1ST	30.54487	289713.97	4630724.5	105	89112106	CLF_89.SFC	11	11	1872
348	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN50	2ND	29.4759	289713.97	4630724.5	105	89112103	CLF_89.SFC	11	11	1872
349	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN40	1ST	27.321	289611.31	4630705	106	89051103	CLF_89.SFC	11	11	1872
350	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN40	2ND	25.8304	289713.97	4630724.5	105	89112103	CLF_89.SFC	11	11	1872
351	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN20	1ST	18.88985	289707	4630728	104	89040121	CLF_89.SFC	11	11	1872
352	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	3-HR	REGEN20	2ND	18.71948	289713.97	4630724.5	105	89020906	CLF_89.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
353	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE100	1ST	45.43424	289573.41	4630695	109	89111616	CLF_89.SFC	11	11	1872
354	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE100	2ND	35.87054	289560.5	4630651.5	111	89051716	CLF_89.SFC	11	11	1872
355	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE75	1ST	72.85305	289560.5	4630651.5	111	89022416	CLF_89.SFC	11	11	1872
356	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE75	2ND	55.22557	289560.5	4630651.5	111	89051716	CLF_89.SFC	11	11	1872
357	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE50	1ST	94.15601	289560.5	4630651.5	111	89022416	CLF_89.SFC	11	11	1872
358	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE50	2ND	82.23615	289568.66	4630648.5	111	89022424	CLF_89.SFC	11	11	1872
359	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE25	1ST	111.65773	289583.41	4630680.5	108	89092916	CLF_89.SFC	11	11	1872
360	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE25	2ND	109.03776	289583.41	4630680.5	108	89112816	CLF_89.SFC	11	11	1872
361	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE40	1ST	107.71157	289583.41	4630680.5	108	89092308	CLF_89.SFC	11	11	1872
362	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE40	2ND	89.8576	289583.41	4630680.5	108	89092916	CLF_89.SFC	11	11	1872
363	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE35	1ST	112.98958	289583.41	4630680.5	108	89092308	CLF_89.SFC	11	11	1872
364	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	FLARE35	2ND	102.85697	289583.41	4630680.5	108	89092916	CLF_89.SFC	11	11	1872
365	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN100	1ST	35.93242	289730.47	4630719.5	104	89112108	CLF_89.SFC	11	11	1872
366	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN100	2ND	27.05225	289637.94	4630635.5	112	89022424	CLF_89.SFC	11	11	1872
367	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN75	1ST	34.76862	289713.97	4630724.5	105	89112108	CLF_89.SFC	11	11	1872
368	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN75	2ND	26.17898	289642.62	4630646.5	110	89101824	CLF_89.SFC	11	11	1872
369	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN50	1ST	29.38971	289713.97	4630724.5	105	89112108	CLF_89.SFC	11	11	1872
370	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN50	2ND	22.90608	289643.47	4630647.5	110	89030908	CLF_89.SFC	11	11	1872
371	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN40	1ST	25.73945	289707	4630728	104	89112108	CLF_89.SFC	11	11	1872
372	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN40	2ND	21.64445	289616.31	4630698	105	89030724	CLF_89.SFC	11	11	1872
373	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN20	1ST	17.05522	289646.88	4630686	104	89101824	CLF_89.SFC	11	11	1872
374	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	8-HR	REGEN20	2ND	16.83225	289646.88	4630686	104	89030908	CLF_89.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
375	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE100	1ST	28.27552	289611.31	4630641	111	89112124	CLF_89.SFC	11	11	1872
376	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE100	2ND	15.30643	289564.44	4630649.5	111	89041624	CLF_89.SFC	11	11	1872
377	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE75	1ST	53.82161	289560.5	4630651.5	111	89022424	CLF_89.SFC	11	11	1872
378	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE75	2ND	29.5996	289568.66	4630648.5	111	89022424	CLF_89.SFC	11	11	1872
379	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE50	1ST	77.18781	289560.5	4630651.5	111	89022424	CLF_89.SFC	11	11	1872
380	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE50	2ND	49.6582	289564.44	4630649.5	111	89101824	CLF_89.SFC	11	11	1872
381	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE25	1ST	62.553	289568.66	4630648.5	111	89101824	CLF_89.SFC	11	11	1872
382	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE25	2ND	53.40141	289583.41	4630680.5	108	89092324	CLF_89.SFC	11	11	1872
383	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE40	1ST	78.30051	289560.5	4630651.5	111	89022424	CLF_89.SFC	11	11	1872
384	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE40	2ND	60.41743	289564.44	4630649.5	111	89101824	CLF_89.SFC	11	11	1872
385	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE35	1ST	75.00343	289560.5	4630651.5	111	89022424	CLF_89.SFC	11	11	1872
386	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	FLARE35	2ND	63.12692	289564.44	4630649.5	111	89101824	CLF_89.SFC	11	11	1872
387	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN100	1ST	22.44663	289720.72	4630699	106	89112124	CLF_89.SFC	11	11	1872
388	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN100	2ND	16.40324	289630.47	4630625	114	89030624	CLF_89.SFC	11	11	1872
389	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN75	1ST	20.59284	289720.72	4630699	106	89112124	CLF_89.SFC	11	11	1872
390	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN75	2ND	16.47081	289724.94	4630707.5	105	89040124	CLF_89.SFC	11	11	1872
391	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN50	1ST	18.4174	289703.31	4630720	104	89112124	CLF_89.SFC	11	11	1872
392	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN50	2ND	16.68348	289724.94	4630707.5	105	89112124	CLF_89.SFC	11	11	1872
393	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN40	1ST	17.86956	289646.97	4630671	106	89101824	CLF_89.SFC	11	11	1872
394	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN40	2ND	15.02637	289703.31	4630720	104	89040124	CLF_89.SFC	11	11	1872
395	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN20	1ST	13.94224	289646.88	4630686	104	89101824	CLF_89.SFC	11	11	1872
396	AERMOD	Flares worst case load_1989_UNIT.USF	UNIT	24-HR	REGEN20	2ND	12.02651	289646.88	4630686	104	89030624	CLF_89.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
397	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	FLARE100	1ST	1.13996	289608.69	4630604	119	1 YRS	CLF_90.SFC	11	11	1872
398	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	FLARE75	1ST	1.40165	289568.66	4630648.5	111	1 YRS	CLF_90.SFC	11	11	1872
399	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	FLARE50	1ST	2.99514	289568.66	4630648.5	111	1 YRS	CLF_90.SFC	11	11	1872
400	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	FLARE25	1ST	8.55886	289583.41	4630680.5	108	1 YRS	CLF_90.SFC	11	11	1872
401	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	FLARE40	1ST	4.13996	289583.41	4630680.5	108	1 YRS	CLF_90.SFC	11	11	1872
402	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	FLARE35	1ST	5.42172	289583.41	4630680.5	108	1 YRS	CLF_90.SFC	11	11	1872
403	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	REGEN100	1ST	1.60338	289764.5	4630833.5	99	1 YRS	CLF_90.SFC	11	11	1872
404	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	REGEN75	1ST	1.64157	289764.5	4630833.5	99	1 YRS	CLF_90.SFC	11	11	1872
405	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	REGEN50	1ST	1.72504	289720.72	4630699	106	1 YRS	CLF_90.SFC	11	11	1872
406	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	REGEN40	1ST	1.77418	289720.72	4630699	106	1 YRS	CLF_90.SFC	11	11	1872
407	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	ANNUAL	REGEN20	1ST	1.61563	289720.72	4630699	106	1 YRS	CLF_90.SFC	11	11	1872
408	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE100	1ST	99.83659	289589.06	4630692	108	90041103	CLF_90.SFC	11	11	1872
409	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE100	2ND	83.08659	289568.66	4630648.5	111	90111811	CLF_90.SFC	11	11	1872
410	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE75	1ST	136.32063	289583.41	4630680.5	108	90041103	CLF_90.SFC	11	11	1872
411	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE75	2ND	111.02243	289568.66	4630648.5	111	90111816	CLF_90.SFC	11	11	1872
412	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE50	1ST	171.3795	289583.41	4630680.5	108	90022213	CLF_90.SFC	11	11	1872
413	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE50	2ND	168.29181	289583.41	4630680.5	108	90022214	CLF_90.SFC	11	11	1872
414	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE25	1ST	171.04613	289583.41	4630680.5	108	90022303	CLF_90.SFC	11	11	1872
415	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE25	2ND	169.367	289583.41	4630680.5	108	90022223	CLF_90.SFC	11	11	1872
416	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE40	1ST	191.70815	289583.41	4630680.5	108	90022214	CLF_90.SFC	11	11	1872
417	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE40	2ND	187.65913	289583.41	4630680.5	108	90022213	CLF_90.SFC	11	11	1872
418	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE35	1ST	191.91559	289583.41	4630680.5	108	90022214	CLF_90.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
419	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	FLARE35	2ND	184.83788	289583.41	4630680.5	108	90022213	CLF_90.SFC	11	11	1872
420	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN100	1ST	43.57973	289708.22	4630687.5	107	90123104	CLF_90.SFC	11	11	1872
421	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN100	2ND	40.73793	289708.22	4630687.5	107	90032618	CLF_90.SFC	11	11	1872
422	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN75	1ST	37.54068	289613	4630762	105	90111016	CLF_90.SFC	11	11	1872
423	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN75	2ND	37.13329	289708.22	4630687.5	107	90123104	CLF_90.SFC	11	11	1872
424	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN50	1ST	32.72483	289613	4630762	105	90111016	CLF_90.SFC	11	11	1872
425	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN50	2ND	31.4172	289713.97	4630724.5	105	90111220	CLF_90.SFC	11	11	1872
426	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN40	1ST	29.38525	289621.69	4630777	105	90102403	CLF_90.SFC	11	11	1872
427	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN40	2ND	28.05046	289713.97	4630724.5	105	90101919	CLF_90.SFC	11	11	1872
428	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN20	1ST	21.77821	289616.69	4630770	106	90110524	CLF_90.SFC	11	11	1872
429	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	1-HR	REGEN20	2ND	21.60242	289616.69	4630770	106	90120323	CLF_90.SFC	11	11	1872
430	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE100	1ST	57.26401	289595.06	4630707.5	107	90041103	CLF_90.SFC	11	11	1872
431	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE100	2ND	53.80708	289564.44	4630649.5	111	90111818	CLF_90.SFC	11	11	1872
432	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE75	1ST	91.03448	289564.44	4630649.5	111	90111818	CLF_90.SFC	11	11	1872
433	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE75	2ND	87.28164	289564.44	4630649.5	111	90111812	CLF_90.SFC	11	11	1872
434	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE50	1ST	118.93134	289583.41	4630680.5	108	90022215	CLF_90.SFC	11	11	1872
435	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE50	2ND	107.81702	289583.41	4630680.5	108	90041103	CLF_90.SFC	11	11	1872
436	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE25	1ST	147.42578	289583.41	4630680.5	108	90022215	CLF_90.SFC	11	11	1872
437	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE25	2ND	140.10248	289583.41	4630680.5	108	90022303	CLF_90.SFC	11	11	1872
438	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE40	1ST	142.00262	289583.41	4630680.5	108	90022215	CLF_90.SFC	11	11	1872
439	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE40	2ND	127.83648	289583.41	4630680.5	108	90020915	CLF_90.SFC	11	11	1872
440	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE35	1ST	148.93277	289583.41	4630680.5	108	90022215	CLF_90.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
441	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	FLARE35	2ND	136.50276	289583.41	4630680.5	108	90020915	CLF_90.SFC	11	11	1872
442	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN100	1ST	39.78407	289648	4630803	101	90051021	CLF_90.SFC	11	11	1872
443	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN100	2ND	35.6754	289643.47	4630647.5	110	90111821	CLF_90.SFC	11	11	1872
444	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN75	1ST	36.25447	289713.97	4630724.5	105	90111218	CLF_90.SFC	11	11	1872
445	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN75	2ND	33.24553	289720.72	4630699	106	90021924	CLF_90.SFC	11	11	1872
446	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN50	1ST	31.31816	289713.97	4630724.5	105	90111218	CLF_90.SFC	11	11	1872
447	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN50	2ND	29.15236	289713.97	4630724.5	105	90010118	CLF_90.SFC	11	11	1872
448	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN40	1ST	27.56747	289713.97	4630724.5	105	90111218	CLF_90.SFC	11	11	1872
449	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN40	2ND	26.57189	289713.97	4630724.5	105	90010118	CLF_90.SFC	11	11	1872
450	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN20	1ST	18.97209	289709.25	4630736.5	104	90060721	CLF_90.SFC	11	11	1872
451	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	3-HR	REGEN20	2ND	18.41319	289713.97	4630724.5	105	90050221	CLF_90.SFC	11	11	1872
452	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE100	1ST	52.56917	289560.5	4630651.5	111	90102616	CLF_90.SFC	11	11	1872
453	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE100	2ND	41.76316	289564.44	4630649.5	111	90111816	CLF_90.SFC	11	11	1872
454	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE75	1ST	77.46433	289560.5	4630651.5	111	90102616	CLF_90.SFC	11	11	1872
455	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE75	2ND	72.84381	289564.44	4630649.5	111	90102616	CLF_90.SFC	11	11	1872
456	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE50	1ST	103.6003	289583.41	4630680.5	108	90041108	CLF_90.SFC	11	11	1872
457	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE50	2ND	84.71885	289564.44	4630649.5	111	90111824	CLF_90.SFC	11	11	1872
458	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE25	1ST	137.20178	289583.41	4630680.5	108	90022216	CLF_90.SFC	11	11	1872
459	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE25	2ND	118.29991	289583.41	4630680.5	108	90022308	CLF_90.SFC	11	11	1872
460	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE40	1ST	115.53014	289583.41	4630680.5	108	90041108	CLF_90.SFC	11	11	1872
461	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE40	2ND	109.21082	289583.41	4630680.5	108	90022216	CLF_90.SFC	11	11	1872
462	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE35	1ST	122.8019	289583.41	4630680.5	108	90022216	CLF_90.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
463	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	FLARE35	2ND	116.26102	289583.41	4630680.5	108	90041108	CLF_90.SFC	11	11	1872
464	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN100	1ST	30.79499	289625.81	4630651	109	90111824	CLF_90.SFC	11	11	1872
465	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN100	2ND	29.88598	289643.47	4630647.5	110	90111808	CLF_90.SFC	11	11	1872
466	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN75	1ST	29.1742	289646.97	4630671	106	90111824	CLF_90.SFC	11	11	1872
467	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN75	2ND	27.41425	289646.88	4630660	107	90111908	CLF_90.SFC	11	11	1872
468	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN50	1ST	25.86292	289646.88	4630686	104	90111824	CLF_90.SFC	11	11	1872
469	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN50	2ND	24.66885	289646.97	4630671	106	90111824	CLF_90.SFC	11	11	1872
470	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN40	1ST	23.74174	289646.88	4630686	104	90111824	CLF_90.SFC	11	11	1872
471	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN40	2ND	22.26375	289646.88	4630686	104	90111808	CLF_90.SFC	11	11	1872
472	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN20	1ST	17.00127	289698.31	4630713	104	90032324	CLF_90.SFC	11	11	1872
473	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	8-HR	REGEN20	2ND	15.90323	289692.12	4630783.5	99	90112824	CLF_90.SFC	11	11	1872
474	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE100	1ST	26.7124	289564.44	4630649.5	111	90111824	CLF_90.SFC	11	11	1872
475	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE100	2ND	21.87921	289564.44	4630649.5	111	90102624	CLF_90.SFC	11	11	1872
476	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE75	1ST	53.99997	289564.44	4630649.5	111	90111824	CLF_90.SFC	11	11	1872
477	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE75	2ND	38.34909	289564.44	4630649.5	111	90102624	CLF_90.SFC	11	11	1872
478	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE50	1ST	77.93673	289564.44	4630649.5	111	90111824	CLF_90.SFC	11	11	1872
479	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE50	2ND	53.75106	289564.44	4630649.5	111	90102624	CLF_90.SFC	11	11	1872
480	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE25	1ST	89.41363	289583.41	4630680.5	108	90041024	CLF_90.SFC	11	11	1872
481	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE25	2ND	84.36217	289583.41	4630680.5	108	90022224	CLF_90.SFC	11	11	1872
482	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE40	1ST	82.48468	289564.44	4630649.5	111	90111824	CLF_90.SFC	11	11	1872
483	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE40	2ND	59.27612	289583.41	4630680.5	108	90022224	CLF_90.SFC	11	11	1872
484	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE35	1ST	80.43101	289564.44	4630649.5	111	90111824	CLF_90.SFC	11	11	1872

TABLE C-3
WORST-CASE LOAD MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Time	Met File	Sources	Groups	Rec.
485	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	FLARE35	2ND	69.73617	289583.41	4630680.5	108	90022224	CLF_90.SFC	11	11	1872
486	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN100	1ST	26.44316	289730.47	4630719.5	104	90111224	CLF_90.SFC	11	11	1872
487	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN100	2ND	20.29818	289746.59	4630695	104	90111324	CLF_90.SFC	11	11	1872
488	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN75	1ST	25.73701	289713.97	4630724.5	105	90111224	CLF_90.SFC	11	11	1872
489	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN75	2ND	20.19507	289724.94	4630707.5	105	90111324	CLF_90.SFC	11	11	1872
490	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN50	1ST	23.85052	289713.97	4630724.5	105	90111224	CLF_90.SFC	11	11	1872
491	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN50	2ND	19.45585	289724.94	4630707.5	105	90111324	CLF_90.SFC	11	11	1872
492	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN40	1ST	21.61508	289713.97	4630724.5	105	90111224	CLF_90.SFC	11	11	1872
493	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN40	2ND	17.17275	289724.94	4630707.5	105	90111224	CLF_90.SFC	11	11	1872
494	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN20	1ST	14.27811	289707	4630728	104	90111224	CLF_90.SFC	11	11	1872
495	AERMOD	Flares worst case load_1990_UNIT.USF	UNIT	24-HR	REGEN20	2ND	13.1041	289703.31	4630720	104	90111224	CLF_90.SFC	11	11	1872

APPENDIX D

BPIP-PRIME OUTPUT

BEE-Line Software Version: 9.95

Input File - Ridgewood Criteria.PRW
Input File - Ridgewood Criteria.PIP
Output File - Ridgewood Criteria.TAB
Output File - Ridgewood Criteria.SUM
Output File - Ridgewood Criteria.SO

BPIP (Dated: 04274)

DATE : 08/15/2008
TIME : 08:31:44 AM
N:\24461\Ridgewood criteria.BST BEESTWin BPIP-Prime Files 8/15/2008 8:31:44 AM

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BPIP PROCESSING INFORMATION:
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The P flag has been set for preparing downwash related data
for a model run utilizing the PRIME algorithm.

Inputs entered in METERS will be converted to meters using
a conversion factor of 1.0000. Output will be in meters.

The UTMP variable is set to UTMY. The input is assumed to be in
UTM coordinates. BPIP will move the UTM origin to the first pair of
UTM coordinates read. The UTM coordinates of the new origin will
be subtracted from all the other UTM coordinates entered to form
this new local coordinate system.

Plant north is set to 0.00 degrees with respect to True North.

N:\24461\Ridgewood criteria.BST BEESTWin BPIP-Prime Files 8/15/2008 8:31:44 AM

PRELIMINARY* GEP STACK HEIGHT RESULTS TABLE
(Output Units: meters)

Stack Name	Stack Height	Stack-Building Base Elevation Differences	GEP** EQN1	Preliminary* GEP Stack Height Value
ULEFLR	18.29	N/A	0.00	65.00
ULEFLR50	18.29	N/A	0.00	65.00
REMOTE1	7.81	N/A	0.00	65.00
REMOTE2	16.68	N/A	0.00	65.00
REMOTE3	16.35	N/A	0.00	65.00
DEUTZ100	7.62	0.00	7.24	65.00
DEUTZ75	7.62	0.00	7.24	65.00
CAT100	11.81	0.00	10.29	65.00
BOILER	10.30	0.02	19.03	65.00
FPL1	53.34	0.00	80.01	80.01
FPL2	53.34	0.00	80.01	80.01
TURBINES	22.86	0.00	15.24	65.00

CG#1	3.96	N/A	0.00	65.00
CG#2	4.14	N/A	0.00	65.00
RECOVMAT	3.05	0.31	22.55	65.00
MCOOLTWR	7.62	0.00	19.05	65.00
ACOOLTWR	7.62	0.00	19.05	65.00
BFLRS100	12.19	0.00	19.05	65.00
BFLRS25	12.19	0.00	19.05	65.00
REGN100	12.19	0.00	19.05	65.00
REGN40	12.19	0.00	19.05	65.00

* Results are based on Determinants 1 & 2 on pages 1 & 2 of the GEP Technical Support Document. Determinant 3 may be investigated for additional stack height credit. Final values result after Determinant 3 has been taken into consideration.

** Results were derived from Equation 1 on page 6 of GEP Technical Support Document. Values have been adjusted for any stack-building base elevation differences.

Note: Criteria for determining stack heights for modeling emission limitations for a source can be found in Table 3.1 of the GEP Technical Support Document.

BPIP (Dated: 04274)

DATE : 08/15/2008
TIME : 08:31:44 AM

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BPIP output is in meters

SO BUILDHGT	ULEFLR	0.00	0.00	0.00	0.00	0.00	0.00
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SO BUILDLEN REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    REMOTE3     0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT DEUTZ100    2.90    2.90    2.90    2.90    2.90    2.90
SO BUILDHGT DEUTZ100    2.90    2.90    2.90    2.90    2.90    2.90
SO BUILDHGT DEUTZ100    2.90    2.90    2.90    2.90    2.90    2.90
SO BUILDHGT DEUTZ100    2.90    2.90    2.90    2.90    2.90    2.90
SO BUILDHGT DEUTZ100    2.90    2.90    2.90    2.90    2.90    2.90
SO BUILDHGT DEUTZ100    2.90    2.90    2.90    2.90    2.90    2.90
SO BUILDWID DEUTZ100    8.90   11.66   14.06   16.04   17.53   18.49
SO BUILDWID DEUTZ100   18.88   18.71   18.87   18.72   18.00   16.73
SO BUILDWID DEUTZ100   14.95   12.72   10.10    7.18    4.04    5.87
SO BUILDWID DEUTZ100    8.90   11.66   14.06   16.04   17.53   18.49
SO BUILDWID DEUTZ100   18.88   18.71   18.87   18.72   18.00   16.73
SO BUILDWID DEUTZ100   14.95   12.72   10.10    7.18    4.04    5.87
SO BUILDLEN DEUTZ100   18.73   18.00   16.74   14.96   12.73   10.11
SO BUILDLEN DEUTZ100    7.18    4.04    5.88    8.91   11.67   14.07
SO BUILDLEN DEUTZ100   16.05   17.54   18.49   18.89   18.71   18.88
SO BUILDLEN DEUTZ100   18.73   18.00   16.74   14.96   12.73   10.11
SO BUILDLEN DEUTZ100    7.18    4.04    5.88    8.91   11.67   14.07
SO BUILDLEN DEUTZ100   16.05   17.54   18.49   18.89   18.71   18.88
SO XBADJ    DEUTZ100  -12.32  -12.28  -11.85  -11.07   -9.95   -8.53
SO XBADJ    DEUTZ100   -6.85   -4.96    1.16   -0.13   -1.42   -2.67
SO XBADJ    DEUTZ100   -3.83   -4.88   -5.78   -6.50   -7.27   -6.88
SO XBADJ    DEUTZ100   -6.40   -5.73   -4.88   -3.89   -2.78   -1.58
SO XBADJ    DEUTZ100   -0.33    0.92   -7.04   -8.78  -10.25  -11.41
SO XBADJ    DEUTZ100  -12.22  -12.66  -12.72  -12.39  -11.43  -12.00
SO YBADJ    DEUTZ100    2.06    1.52    0.92    0.30   -0.33   -0.94
SO YBADJ    DEUTZ100   -1.54   -2.08   -1.65   -0.91   -0.15    0.62
SO YBADJ    DEUTZ100    1.37    2.08    2.72    3.29   -2.94   -2.54
SO YBADJ    DEUTZ100   -2.06   -1.52   -0.92   -0.30    0.33    0.94
SO YBADJ    DEUTZ100    1.54    2.08    1.65    0.91    0.15   -0.62
SO YBADJ    DEUTZ100   -1.37   -2.08   -2.72   -3.29    2.94    2.54
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SO	BUILDHGT	DEUTZ75	2.90	2.90	2.90	2.90	2.90	2.90
SO	BUILDHGT	DEUTZ75	2.90	2.90	2.90	2.90	2.90	2.90
SO	BUILDHGT	DEUTZ75	2.90	2.90	2.90	2.90	2.90	2.90
SO	BUILDHGT	DEUTZ75	2.90	2.90	2.90	2.90	2.90	2.90
SO	BUILDHGT	DEUTZ75	2.90	2.90	2.90	2.90	2.90	2.90
SO	BUILDHGT	DEUTZ75	2.90	2.90	2.90	2.90	2.90	2.90
SO	BUILDWID	DEUTZ75	8.90	11.66	14.06	16.04	17.53	18.49
SO	BUILDWID	DEUTZ75	18.88	18.71	18.87	18.72	18.00	16.73
SO	BUILDWID	DEUTZ75	14.95	12.72	10.10	7.18	4.04	5.87
SO	BUILDWID	DEUTZ75	8.90	11.66	14.06	16.04	17.53	18.49
SO	BUILDWID	DEUTZ75	18.88	18.71	18.87	18.72	18.00	16.73
SO	BUILDWID	DEUTZ75	14.95	12.72	10.10	7.18	4.04	5.87
SO	BUILDLEN	DEUTZ75	18.73	18.00	16.74	14.96	12.73	10.11
SO	BUILDLEN	DEUTZ75	7.18	4.04	5.88	8.91	11.67	14.07
SO	BUILDLEN	DEUTZ75	16.05	17.54	18.49	18.89	18.71	18.88
SO	BUILDLEN	DEUTZ75	18.73	18.00	16.74	14.96	12.73	10.11
SO	BUILDLEN	DEUTZ75	7.18	4.04	5.88	8.91	11.67	14.07
SO	BUILDLEN	DEUTZ75	16.05	17.54	18.49	18.89	18.71	18.88
SO	XBADJ	DEUTZ75	-12.32	-12.28	-11.85	-11.07	-9.95	-8.53
SO	XBADJ	DEUTZ75	-6.85	-4.96	1.16	-0.13	-1.42	-2.67
SO	XBADJ	DEUTZ75	-3.83	-4.88	-5.78	-6.50	-7.27	-6.88
SO	XBADJ	DEUTZ75	-6.40	-5.73	-4.88	-3.89	-2.78	-1.58
SO	XBADJ	DEUTZ75	-0.33	0.92	-7.04	-8.78	-10.25	-11.41
SO	XBADJ	DEUTZ75	-12.22	-12.66	-12.72	-12.39	-11.43	-12.00
SO	YBADJ	DEUTZ75	2.06	1.52	0.92	0.30	-0.33	-0.94
SO	YBADJ	DEUTZ75	-1.54	-2.08	-1.65	-0.91	-0.15	0.62
SO	YBADJ	DEUTZ75	1.37	2.08	2.72	3.29	-2.94	-2.54
SO	YBADJ	DEUTZ75	-2.06	-1.52	-0.92	-0.30	0.33	0.94
SO	YBADJ	DEUTZ75	1.54	2.08	1.65	0.91	0.15	-0.62
SO	YBADJ	DEUTZ75	-1.37	-2.08	-2.72	-3.29	2.94	2.54

SO	BUILDHGT	CAT100	4.11	4.11	4.11	4.11	4.11	4.11
SO	BUILDHGT	CAT100	4.11	4.11	4.11	4.11	4.11	4.11
SO	BUILDHGT	CAT100	4.11	4.11	4.11	4.11	4.11	4.11
SO	BUILDHGT	CAT100	4.11	4.11	4.11	4.11	4.11	4.11
SO	BUILDHGT	CAT100	4.11	4.11	4.11	4.11	4.11	4.11
SO	BUILDHGT	CAT100	4.11	4.11	4.11	4.11	4.11	4.11
SO	BUILDWID	CAT100	7.93	9.58	10.94	11.96	12.62	12.90
SO	BUILDWID	CAT100	12.79	12.29	12.69	12.91	12.74	12.18
SO	BUILDWID	CAT100	11.26	9.99	8.41	6.59	4.56	6.04
SO	BUILDWID	CAT100	7.93	9.58	10.94	11.96	12.62	12.90
SO	BUILDWID	CAT100	12.79	12.29	12.69	12.91	12.74	12.18
SO	BUILDWID	CAT100	11.26	9.99	8.41	6.59	4.56	6.04
SO	BUILDLEN	CAT100	12.91	12.74	12.18	11.26	9.99	8.41
SO	BUILDLEN	CAT100	6.59	4.56	6.03	7.92	9.57	10.93
SO	BUILDLEN	CAT100	11.96	12.62	12.90	12.79	12.29	12.69
SO	BUILDLEN	CAT100	12.91	12.74	12.18	11.26	9.99	8.41
SO	BUILDLEN	CAT100	6.59	4.56	6.03	7.92	9.57	10.93
SO	BUILDLEN	CAT100	11.96	12.62	12.90	12.79	12.29	12.69
SO	XBADJ	CAT100	-6.14	-6.15	-5.99	-13.14	-5.11	-4.44
SO	XBADJ	CAT100	-3.63	-2.70	-23.30	-23.49	-14.18	-13.93
SO	XBADJ	CAT100	-6.64	-6.96	-7.07	-6.96	-6.64	-6.76
SO	XBADJ	CAT100	-6.78	-6.59	-6.20	1.88	-4.87	-3.98
SO	XBADJ	CAT100	-2.96	-1.85	7.38	6.09	4.61	3.00
SO	XBADJ	CAT100	1.29	-5.67	-5.84	-5.83	-5.65	-5.93
SO	YBADJ	CAT100	0.57	0.62	0.65	7.27	0.65	0.61

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SO YBADJ     CAT100      0.56    0.50   -2.58   -6.06   -4.57   -6.14
SO YBADJ     CAT100     -0.01   -0.12   -0.23   -0.33   -0.43   -0.51
SO YBADJ     CAT100     -0.57   -0.62   -0.65   -7.27   -0.65   -0.61
SO YBADJ     CAT100     -0.56   -0.50    1.08    2.87    4.57    6.14
SO YBADJ     CAT100      7.51    0.12    0.23    0.33    0.43    0.51


SO BUILDHGT BOILER      7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT BOILER      7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT BOILER      7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT BOILER      7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT BOILER      7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT BOILER      7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDWID BOILER     99.22   95.85   89.57   84.21   80.37   74.09
SO BUILDWID BOILER     65.57   55.04   50.53   57.46   70.33   83.22
SO BUILDWID BOILER     93.58  101.10  105.55  106.79  104.79   99.60
SO BUILDWID BOILER     99.22   95.85   89.57   84.21   80.37   74.09
SO BUILDWID BOILER     65.57   55.04   50.53   57.46   70.33   83.22
SO BUILDWID BOILER     93.58  101.10  105.55  106.79  104.79   99.60
SO BUILDLEN BOILER     57.46   70.33   83.22   93.58  101.10  105.55
SO BUILDLEN BOILER    106.79  104.79   99.60   99.22   95.85   89.57
SO BUILDLEN BOILER     84.21   80.37   74.09   65.57   55.04   50.53
SO BUILDLEN BOILER     57.46   70.33   83.22   93.58  101.10  105.55
SO BUILDLEN BOILER    106.79  104.79   99.60   99.22   95.85   89.57
SO BUILDLEN BOILER     84.21   80.37   74.09   65.57   55.04   50.53
SO XBADJ     BOILER   -34.29  -39.13  -42.77  -45.12  -46.10  -45.68
SO XBADJ     BOILER   -43.87  -40.72  -36.34  -33.32  -29.30  -24.40
SO XBADJ     BOILER   -22.40  -23.80  -24.48  -24.41  -23.60  -22.08
SO XBADJ     BOILER   -23.17  -31.20  -40.45  -48.46  -55.00  -59.87
SO XBADJ     BOILER   -62.93  -64.07  -63.26  -65.91  -66.55  -65.17
SO XBADJ     BOILER   -61.81  -56.57  -49.62  -41.15  -31.44  -28.45
SO YBADJ     BOILER   -16.29  -18.62  -20.39  -19.71  -16.39  -12.57
SO YBADJ     BOILER    -8.37   -3.92   -3.18   -5.56   -3.96   -1.16
SO YBADJ     BOILER     1.67    4.45    7.10    9.53   11.67   13.46
SO YBADJ     BOILER    16.29   18.62   20.39   19.71   16.39   12.57
SO YBADJ     BOILER     8.37    3.92    3.18    5.56    3.96    1.16
SO YBADJ     BOILER    -1.67   -4.45   -7.10   -9.53  -11.67  -13.46


SO BUILDHGT FPL1       32.00   32.00   32.00   32.00   32.00   32.00
SO BUILDHGT FPL1       32.00   32.00   32.00   32.00   32.00   18.29
SO BUILDHGT FPL1       18.29   18.29   18.29   18.29   32.00   32.00
SO BUILDHGT FPL1       32.00   32.00   32.00   32.00   32.00   32.00
SO BUILDHGT FPL1       32.00   32.00   32.00   32.00   32.00   18.29
SO BUILDHGT FPL1       18.29   18.29   18.29   18.29   32.00   32.00
SO BUILDWID FPL1      117.31  131.75  142.20  148.32  149.93  146.99
SO BUILDWID FPL1      147.78  150.27  148.20  141.62  130.75   26.03
SO BUILDWID FPL1       26.71   26.58   25.65   25.21   78.27   99.30
SO BUILDWID FPL1      117.31  131.75  142.20  148.32  149.93  146.99
SO BUILDWID FPL1      147.78  150.27  148.20  141.62  130.75   26.03
SO BUILDWID FPL1       26.71   26.58   25.65   25.21   78.27   99.30
SO BUILDLEN FPL1      141.62  130.75  115.89   97.52   76.19   52.54
SO BUILDLEN FPL1       54.87   78.27   99.30  117.31  131.75   21.76
SO BUILDLEN FPL1       18.88   15.43   11.51   11.97  150.27  148.20
SO BUILDLEN FPL1      141.62  130.75  115.89   97.52   76.19   52.54
SO BUILDLEN FPL1       54.87   78.27   99.30  117.31  131.75   21.76
SO BUILDLEN FPL1       18.88   15.43   11.51   11.97  150.27  148.20
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SO XBADJ     FPL1        5.82   14.15   22.06   29.30   35.65   40.91
SO XBADJ     FPL1       31.26    9.22  -13.10  -35.02  -55.88    0.32
SO XBADJ     FPL1       -1.12   -2.53   -3.86   -7.34 -139.14 -145.50
SO XBADJ     FPL1     -147.44 -144.90 -137.96 -126.82 -111.83  -93.45
SO XBADJ     FPL1      -86.13  -87.50  -86.20  -82.29  -75.87  -22.07
SO XBADJ     FPL1      -17.76  -12.90   -7.66   -4.63  -11.13   -2.70
SO YBADJ     FPL1      -23.63   -9.99    3.95   17.77   31.05   43.39
SO YBADJ     FPL1       54.66   64.00   71.40   76.63   79.53   15.72
SO YBADJ     FPL1       17.46   18.68   19.32   19.14   48.36   36.55
SO YBADJ     FPL1       23.63    9.99   -3.95  -17.77  -31.05  -43.39
SO YBADJ     FPL1      -54.66  -64.00  -71.40  -76.63  -79.53  -15.72
SO YBADJ     FPL1      -17.46  -18.68  -19.32  -19.14  -48.36  -36.55


SO BUILDHGT FPL2       32.00   32.00   32.00   32.00   32.00   32.00
SO BUILDHGT FPL2       32.00   32.00   32.00   32.00   32.00   32.00
SO BUILDHGT FPL2       32.00   18.29   18.29   18.29   18.29   32.00
SO BUILDHGT FPL2       32.00   32.00   32.00   32.00   32.00   32.00
SO BUILDHGT FPL2       32.00   32.00   32.00   32.00   32.00   32.00
SO BUILDHGT FPL2       32.00   18.29   18.29   18.29   18.29   32.00
SO BUILDWID FPL2      117.31  131.75  142.20  148.32  149.93  146.99
SO BUILDWID FPL2      147.78  150.27  148.20  141.62  130.75  115.89
SO BUILDWID FPL2       97.52   26.58   25.65   25.21   26.09   99.30
SO BUILDWID FPL2      117.31  131.75  142.20  148.32  149.93  146.99
SO BUILDWID FPL2      147.78  150.27  148.20  141.62  130.75  115.89
SO BUILDWID FPL2       97.52   26.58   25.65   25.21   26.09   99.30
SO BUILDLEN FPL2      141.62  130.75  115.89   97.52   76.19   52.54
SO BUILDLEN FPL2       54.87   78.27   99.30  117.31  131.75  142.20
SO BUILDLEN FPL2      148.32   15.43   11.51   11.97   15.94  148.20
SO BUILDLEN FPL2      141.62  130.75  115.89   97.52   76.19   52.54
SO BUILDLEN FPL2       54.87   78.27   99.30  117.31  131.75  142.20
SO BUILDLEN FPL2      148.32   15.43   11.51   11.97   15.94  148.20
SO XBADJ     FPL2      -30.76  -17.29   -3.30   10.80   24.56   37.59
SO XBADJ     FPL2       35.80   21.47    6.50   -8.67  -23.58  -37.77
SO XBADJ     FPL2      -50.81   -2.53   -3.86   -7.34  -12.67 -104.90
SO XBADJ     FPL2     -110.86 -113.45 -112.60 -108.32 -100.75  -90.12
SO XBADJ     FPL2      -90.66  -99.75 -105.80 -108.64 -108.18 -104.43
SO XBADJ     FPL2      -97.50  -56.60  -52.62   -4.63   -3.27  -43.30
SO YBADJ     FPL2      -49.98  -42.30  -33.33  -23.34  -12.65   -1.57
SO YBADJ     FPL2        9.81   20.62   30.80   40.05   48.08   54.65
SO YBADJ     FPL2       59.56   18.68   19.32   19.14   18.60   56.15
SO YBADJ     FPL2       49.98   42.30   33.33   23.34   12.65    1.57
SO YBADJ     FPL2       -9.81  -20.62  -30.80  -40.05  -48.08  -54.65
SO YBADJ     FPL2      -59.56   -7.59  -16.00  -19.14  -18.60  -56.15


SO BUILDHGT TURBINES    6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDHGT TURBINES    6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDHGT TURBINES    6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDHGT TURBINES    6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDHGT TURBINES    6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDHGT TURBINES    6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDWID TURBINES    7.60   11.08   14.21   16.92   19.11   20.72
SO BUILDWID TURBINES   21.70   22.02   21.67   22.02   21.70   20.72
SO BUILDWID TURBINES   19.11   16.92   14.21   11.08    7.60    3.90
SO BUILDWID TURBINES    7.60   11.08   14.21   16.92   19.11   20.72
SO BUILDWID TURBINES   21.70   22.02   21.67   22.02   21.70   20.72
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SO BUILDWID TURBINES   19.11   16.92   14.21   11.08    7.60    3.90
SO BUILDLEN TURBINES   22.02   21.70   20.72   19.11   16.92   14.21
SO BUILDLEN TURBINES   11.08    7.60    3.91    7.60   11.08   14.21
SO BUILDLEN TURBINES   16.92   19.11   20.72   21.70   22.02   21.67
SO BUILDLEN TURBINES   22.02   21.70   20.72   19.11   16.92   14.21
SO BUILDLEN TURBINES   11.08    7.60    3.90    7.60   11.08   14.21
SO BUILDLEN TURBINES   16.92   19.11   20.72   21.70   22.02   21.67
SO XBADJ    TURBINES  -14.99  -14.64  -18.41  -24.38  -25.04    6.75
SO XBADJ    TURBINES   10.30  -22.48    7.23  -21.07  -21.30   10.79
SO XBADJ    TURBINES    8.18    5.33   -6.84   -7.03   -7.02   -6.79
SO XBADJ    TURBINES   -7.03   -7.06   -6.88    5.28    8.12   10.72
SO XBADJ    TURBINES  -21.38  -21.15  -20.28  -22.56  -24.15  -25.00
SO XBADJ    TURBINES  -25.10  -24.43  -13.88  -14.66  -15.00  -14.88
SO YBADJ    TURBINES   -0.74   -1.42    5.86   11.38    8.63  -12.67
SO YBADJ    TURBINES  -10.07   -0.81   -4.04   -7.15  -10.04    5.66
SO YBADJ    TURBINES    8.68   11.44   -1.99   -1.35   -0.66    0.04
SO YBADJ    TURBINES    0.74    1.42    2.06  -11.38   -8.63   -5.62
SO YBADJ    TURBINES   10.07    7.17    4.04    0.80   -2.47   -5.66
SO YBADJ    TURBINES   -8.68  -11.44    1.99    1.35    0.66   -0.04


SO BUILDHGT CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    CG#1        0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT CG#2        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#2        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#2        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT CG#2        0.00    0.00    0.00    0.00    0.00    0.00
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SO	BUILDHGT	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	CG#2	0.00	0.00	0.00	0.00	0.00	0.00

SO	BUILDHGT	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	RECOVMAT	0.00	0.00	0.00	0.00	0.00	9.14
SO	BUILDHGT	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	RECOVMAT	0.00	0.00	0.00	0.00	0.00	9.14
SO	BUILDHGT	RECOVMAT	9.14	9.14	9.14	9.14	9.14	0.00
SO	BUILDWID	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	RECOVMAT	0.00	0.00	0.00	0.00	0.00	27.94
SO	BUILDWID	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	RECOVMAT	0.00	0.00	0.00	0.00	0.00	27.94
SO	BUILDWID	RECOVMAT	26.30	23.86	20.69	22.59	25.43	0.00
SO	BUILDLEN	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	RECOVMAT	0.00	0.00	0.00	0.00	0.00	28.57
SO	BUILDLEN	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	RECOVMAT	0.00	0.00	0.00	0.00	0.00	28.57
SO	BUILDLEN	RECOVMAT	27.17	24.95	21.98	23.33	25.91	0.00
SO	XBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	17.23
SO	XBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	-45.80
SO	XBADJ	RECOVMAT	-47.73	-48.21	-47.23	-47.31	-46.92	0.00
SO	YBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	-17.89
SO	YBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	RECOVMAT	0.00	0.00	0.00	0.00	0.00	17.89

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SO YBADJ    RECOVMAT   12.14    6.03   -0.27   -6.56  -12.64    0.00


SO BUILDHGT MCOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT MCOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT MCOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT MCOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT MCOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT MCOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDWID MCOOLTWR   11.80   16.22   20.16   23.48   26.09   27.90
SO BUILDWID MCOOLTWR   28.87   28.96   28.17   28.96   28.87   27.90
SO BUILDWID MCOOLTWR   26.09   23.48   20.16   16.22   11.80    7.01
SO BUILDWID MCOOLTWR   11.80   16.22   20.16   23.48   26.09   27.90
SO BUILDWID MCOOLTWR   28.87   28.96   28.17   28.96   28.87   27.90
SO BUILDWID MCOOLTWR   26.09   23.48   20.16   16.22   11.80    7.01
SO BUILDLEN MCOOLTWR   28.96   28.87   27.90   26.09   23.48   20.16
SO BUILDLEN MCOOLTWR   16.22   11.80    7.01   11.80   16.22   20.16
SO BUILDLEN MCOOLTWR   23.48   26.09   27.90   28.87   28.96   28.17
SO BUILDLEN MCOOLTWR   28.96   28.87   27.90   26.09   23.48   20.16
SO BUILDLEN MCOOLTWR   16.22   11.80    7.01   11.80   16.22   20.16
SO BUILDLEN MCOOLTWR   23.48   26.09   27.90   28.87   28.96   28.17
SO XBADJ    MCOOLTWR  -14.47  -14.43  -13.94  -13.04  -11.73  -10.07
SO XBADJ    MCOOLTWR   -8.10   -5.89   -3.50   -5.89   -8.11  -10.08
SO XBADJ    MCOOLTWR  -11.74  -13.04  -13.95  -14.44  -14.48  -14.09
SO XBADJ    MCOOLTWR  -14.49  -14.44  -13.96  -13.05  -11.75  -10.08
SO XBADJ    MCOOLTWR   -8.12   -5.90   -3.51   -5.90   -8.11  -10.08
SO XBADJ    MCOOLTWR  -11.74  -13.04  -13.95  -14.43  -14.48  -14.08
SO YBADJ    MCOOLTWR    0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    MCOOLTWR    0.00    0.00    0.00    0.01    0.01    0.01
SO YBADJ    MCOOLTWR    0.01    0.01    0.01    0.01    0.01    0.01
SO YBADJ    MCOOLTWR    0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    MCOOLTWR    0.00    0.00    0.00   -0.01   -0.01   -0.01
SO YBADJ    MCOOLTWR   -0.01   -0.01   -0.01   -0.01   -0.01   -0.01


SO BUILDHGT ACOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT ACOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT ACOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT ACOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT ACOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDHGT ACOOLTWR    7.62    7.62    7.62    7.62    7.62    7.62
SO BUILDWID ACOOLTWR   16.35   16.18   15.51   14.38   12.81   10.85
SO BUILDWID ACOOLTWR    8.56    8.57   10.86   12.82   14.39   15.53
SO BUILDWID ACOOLTWR   16.19   16.36   16.03   15.22   15.21   16.02
SO BUILDWID ACOOLTWR   16.35   16.18   15.51   14.38   12.81   10.85
SO BUILDWID ACOOLTWR    8.56    8.57   10.86   12.82   14.39   15.53
SO BUILDWID ACOOLTWR   16.19   16.36   16.03   15.22   15.21   16.02
SO BUILDLEN ACOOLTWR   12.82   14.39   15.53   16.19   16.36   16.03
SO BUILDLEN ACOOLTWR   15.22   15.21   16.02   16.35   16.18   15.51
SO BUILDLEN ACOOLTWR   14.38   12.81   10.85    8.56    8.57   10.86
SO BUILDLEN ACOOLTWR   12.82   14.39   15.53   16.19   16.36   16.03
SO BUILDLEN ACOOLTWR   15.22   15.21   16.02   16.35   16.18   15.51
SO BUILDLEN ACOOLTWR   14.38   12.81   10.85    8.56    8.57   10.86
SO XBADJ    ACOOLTWR   -7.00   -7.80   -8.36   -8.68   -8.72   -8.51
SO XBADJ    ACOOLTWR   -8.03   -7.95   -8.26   -8.32   -8.13   -7.70
SO XBADJ    ACOOLTWR   -7.03   -6.14   -5.07   -3.85   -3.79   -4.88
SO XBADJ    ACOOLTWR   -5.83   -6.59   -7.16   -7.51   -7.63   -7.52
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SO XBADJ	ACOOLTWR	-7.19	-7.26	-7.76	-8.02	-8.04	-7.82
SO XBADJ	ACOOLTWR	-7.35	-6.67	-5.78	-4.71	-4.78	-5.98
SO YBADJ	ACOOLTWR	0.15	0.05	-0.06	-0.16	-0.26	-0.35
SO YBADJ	ACOOLTWR	-0.43	-0.50	-0.55	-0.59	-0.60	-0.60
SO YBADJ	ACOOLTWR	-0.58	-0.55	-0.49	-0.42	-0.34	-0.25
SO YBADJ	ACOOLTWR	-0.15	-0.05	0.06	0.16	0.26	0.35
SO YBADJ	ACOOLTWR	0.43	0.50	0.55	0.59	0.60	0.60
SO YBADJ	ACOOLTWR	0.58	0.55	0.49	0.42	0.34	0.25
SO BUILDHGT	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS100	7.62	7.62	7.62	7.62	7.62	7.62
SO BUILDHGT	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS100	8.56	8.57	10.86	27.98	31.72	34.48
SO BUILDWID	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS100	15.22	15.21	16.02	36.83	36.20	34.48
SO BUILDLEN	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO XBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO XBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO XBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO XBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO XBADJ	BFLRS100	-45.03	-45.26	-44.76	-66.95	-65.73	-62.52
SO XBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO YBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO YBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO YBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO YBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO YBADJ	BFLRS100	4.63	-1.94	-8.45	-0.96	-9.37	-17.50
SO YBADJ	BFLRS100	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDHGT	BFLRS25	7.62	7.62	7.62	7.62	7.62	7.62
SO BUILDHGT	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDWID	BFLRS25	8.56	8.57	10.86	27.98	31.72	34.48
SO BUILDWID	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO BUILDLEN	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00

SO	BUILDLEN	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	BFLRS25	15.22	15.21	16.02	36.83	36.20	34.48
SO	BUILDLEN	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	BFLRS25	-45.03	-45.26	-44.76	-66.95	-65.73	-62.52
SO	XBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	BFLRS25	4.63	-1.94	-8.45	-0.96	-9.37	-17.50
SO	YBADJ	BFLRS25	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	REGN100	0.00	0.00	0.00	0.00	0.00	7.62
SO	BUILDHGT	REGN100	0.00	0.00	0.00	0.00	0.00	7.62
SO	BUILDHGT	REGN100	7.62	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	REGN100	0.00	0.00	0.00	0.00	0.00	7.62
SO	BUILDHGT	REGN100	7.62	7.62	7.62	7.62	7.62	7.62
SO	BUILDHGT	REGN100	7.62	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	REGN100	0.00	0.00	0.00	0.00	0.00	36.53
SO	BUILDWID	REGN100	0.00	0.00	0.00	0.00	0.00	34.48
SO	BUILDWID	REGN100	36.21	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	REGN100	0.00	0.00	0.00	0.00	0.00	10.85
SO	BUILDWID	REGN100	8.56	8.57	10.86	27.98	31.72	34.48
SO	BUILDWID	REGN100	36.21	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	REGN100	0.00	0.00	0.00	0.00	0.00	36.33
SO	BUILDLEN	REGN100	0.00	0.00	0.00	0.00	0.00	42.68
SO	BUILDLEN	REGN100	41.88	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	REGN100	0.00	0.00	0.00	0.00	0.00	16.03
SO	BUILDLEN	REGN100	15.22	15.21	16.02	36.83	36.20	34.48
SO	BUILDLEN	REGN100	31.71	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	REGN100	0.00	0.00	0.00	0.00	0.00	11.70
SO	XBADJ	REGN100	0.00	0.00	0.00	0.00	0.00	13.92
SO	XBADJ	REGN100	10.69	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	REGN100	0.00	0.00	0.00	0.00	0.00	-36.14
SO	XBADJ	REGN100	-36.83	-37.04	-36.76	-59.42	-58.90	-56.59
SO	XBADJ	REGN100	-52.57	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	REGN100	0.00	0.00	0.00	0.00	0.00	-21.63
SO	YBADJ	REGN100	0.00	0.00	0.00	0.00	0.00	11.77
SO	YBADJ	REGN100	18.42	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	REGN100	0.00	0.00	0.00	0.00	0.00	8.79
SO	YBADJ	REGN100	3.77	-1.36	-6.45	2.40	-4.76	-11.77
SO	YBADJ	REGN100	-18.42	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	REGN40	0.00	0.00	0.00	0.00	0.00	7.62
SO	BUILDHGT	REGN40	0.00	0.00	0.00	0.00	0.00	7.62
SO	BUILDHGT	REGN40	7.62	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	REGN40	0.00	0.00	0.00	0.00	0.00	7.62
SO	BUILDHGT	REGN40	7.62	7.62	7.62	7.62	7.62	7.62
SO	BUILDHGT	REGN40	7.62	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	REGN40	0.00	0.00	0.00	0.00	0.00	36.53
SO	BUILDWID	REGN40	0.00	0.00	0.00	0.00	0.00	34.48

SO	BUILDWID	REGN40	36.21	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	REGN40	0.00	0.00	0.00	0.00	0.00	10.85
SO	BUILDWID	REGN40	8.56	8.57	10.86	27.98	31.72	34.48
SO	BUILDWID	REGN40	36.21	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	REGN40	0.00	0.00	0.00	0.00	0.00	36.33
SO	BUILDLEN	REGN40	0.00	0.00	0.00	0.00	0.00	42.68
SO	BUILDLEN	REGN40	41.88	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	REGN40	0.00	0.00	0.00	0.00	0.00	16.03
SO	BUILDLEN	REGN40	15.22	15.21	16.02	36.83	36.20	34.48
SO	BUILDLEN	REGN40	31.71	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	REGN40	0.00	0.00	0.00	0.00	0.00	11.70
SO	XBADJ	REGN40	0.00	0.00	0.00	0.00	0.00	13.92
SO	XBADJ	REGN40	10.69	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	REGN40	0.00	0.00	0.00	0.00	0.00	-36.14
SO	XBADJ	REGN40	-36.83	-37.04	-36.76	-59.42	-58.90	-56.59
SO	XBADJ	REGN40	-52.57	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	REGN40	0.00	0.00	0.00	0.00	0.00	-21.63
SO	YBADJ	REGN40	0.00	0.00	0.00	0.00	0.00	11.77
SO	YBADJ	REGN40	18.42	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	REGN40	0.00	0.00	0.00	0.00	0.00	8.79
SO	YBADJ	REGN40	3.77	-1.36	-6.45	2.40	-4.76	-11.77
SO	YBADJ	REGN40	-18.42	0.00	0.00	0.00	0.00	0.00

APPENDIX E

TOXIC AND CRITERIA POLLUTANT DETAILED MODELING RESULTS

TABLE E-1
SUMMARY OF CRITERIA MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

		1986 ($\mu g/m^3$)	1987 ($\mu g/m^3$)	1988 ($\mu g/m^3$)	1989 ($\mu g/m^3$)	1990 ($\mu g/m^3$)	Maximum ($\mu g/m^3$)
Proposed CTCC Plant 100% Load							
SO2	1-hour	**48.01**	43.68	39.72	44.00	39.43	48.01
	3- Hour	32.61	**34.40**	25.28	29.13	25.64	34.40
	24-Hour	12.33	**12.99**	10.99	9.32	11.15	12.99
	Annual	1.28	1.26	**1.37**	1.30	1.17	1.37
PM	24-Hour	9.57	9.23	8.09	7.63	**9.87**	9.87
	Annual	2.38	2.33	2.48	2.27	**2.48**	2.48
NOx	4-hour	**60.83**	59.67	44.10	54.71	41.63	60.83
	8-hour	46.33	**52.65**	37.22	40.41	36.55	52.65
	Annual	3.67	3.62	**3.93**	3.75	3.35	3.93
CO	1- Hour	**296.57**	271.76	245.24	281.92	243.46	296.57
	8-Hour	154.44	173.45	162.73	**175.90**	154.47	175.90
Ridgewood Power Facilities - 100% Load							
SO2	3- Hour	32.62	**34.43**	25.31	29.34	25.93	34.43
	24-Hour	12.86	13.83	**14.60**	14.18	14.44	14.60
	Annual	2.33	**2.60**	2.36	2.13	2.10	2.60
PM	24-Hour	12.60	14.16	**14.36**	13.83	13.53	14.36
	Annual	2.43	2.39	**2.53**	2.32	2.53	2.53
NOx	Annual	13.05	**14.43**	13.60	12.13	11.84	14.43
CO	1- Hour	624.86	**633.22**	625.91	0.00	624.26	633.22
	8-Hour	475.28	521.01	511.84	**531.89**	491.94	531.89
All Sources / 100% Load							
SO2	3- Hour	45.08	44.85	47.83	46.74	**48.25**	48.25
	24-Hour	23.89	21.15	21.34	21.54	**26.02**	26.02
	Annual	4.37	**4.73**	4.31	4.01	3.83	4.73
PM	24-Hour	18.69	18.55	**18.85**	18.23	18.43	18.85
	Annual	2.65	2.64	**2.75**	2.53	2.73	2.75
NOx	Annual	13.60	**14.99**	14.09	12.61	12.32	14.99
CO	1- Hour	630.56	**634.96**	631.01	632.84	625.50	634.96
	8-Hour	477.91	522.62	518.40	**534.27**	494.94	534.27
All Sources / Worst Case Load							
SO2	3- Hour	44.71	44.26	47.47	46.20	**48.02**	48.02
	24-Hour	23.84	25.15	22.14	21.36	**25.97**	25.97
	Annual	4.29	**4.61**	4.20	3.91	3.77	4.61
PM	24-Hour	15.73	16.25	**16.90**	16.45	15.77	16.90
	Annual	2.63	2.61	**2.71**	2.51	2.71	2.71
NOx	Annual	12.69	**13.93**	13.03	11.63	11.40	13.93
CO	1- Hour	550.21	550.26	545.18	**550.94**	548.84	550.94
	8-Hour	422.08	464.05	438.49	**470.40**	437.53	470.40
Pre-Existing Increment Consumption 100% Load							
SO2	3- Hour	44.76	44.20	47.68	46.29	**48.19**	48.19
	24-Hour	23.87	20.75	21.32	21.37	**26.00**	26.00
	Annual	4.25	**4.61**	4.23	3.90	3.70	4.61
PM	24-Hour	18.67	18.52	**18.83**	18.20	18.41	18.83
	Annual	2.32	**2.57**	2.34	2.08	2.12	2.57
NOx	Annual	13.31	**14.71**	13.89	12.32	12.01	14.71
CO	1- Hour	630.29	**634.64**	630.74	631.57	625.07	634.64
	8-Hour	473.82	520.81	518.11	**532.88**	494.02	532.88

TABLE E-1
SUMMARY OF CRITERIA MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

		1986 ($\mu g/m^3$)	1987 ($\mu g/m^3$)	1988 ($\mu g/m^3$)	1989 ($\mu g/m^3$)	1990 ($\mu g/m^3$)	Maximum ($\mu g/m^3$)
Pre-Existing Increment Consumption Worst-Case Load							
SO2	3- Hour	44.68	44.07	47.41	46.07	**47.99**	47.99
	24-Hour	23.83	20.71	21.31	21.29	**25.96**	25.96
	Annual	4.18	**4.50**	4.13	3.80	3.66	4.50
PM	24-Hour	15.72	16.24	**16.88**	16.42	15.75	16.88
	Annual	2.27	**2.51**	2.24	2.06	2.11	2.51
NOx	Annual	12.41	**13.66**	12.84	11.37	11.11	13.66
CO	1- Hour	548.40	548.15	542.97	**549.61**	546.69	549.61
	8-Hour	418.54	462.81	438.13	**469.45**	436.97	469.45
ULE Flare 100% Load							
SO2	3- Hour	7.68	**9.89**	8.28	7.34	7.62	9.89
	24-Hour	3.76	**3.81**	3.66	2.85	3.14	3.81
	Annual	0.28	**0.31**	0.28	0.23	0.24	0.31
PM	24-Hour	6.12	**6.20**	5.95	4.64	5.12	6.20
	Annual	0.45	**0.50**	0.46	0.37	0.39	0.50
NOx	Annual	0.23	**0.25**	0.23	0.19	0.19	0.25
CO	1- Hour	20.06	**24.72**	21.46	21.48	22.78	24.72
	8-Hour	10.89	**16.32**	9.59	12.56	11.79	16.32
ULE Flare 50% (Worst-Case) Load							
SO2	3- Hour	**7.62**	7.44	7.17	6.90	7.20	7.62
	24-Hour	4.17	**4.57**	4.34	3.09	3.16	4.57
	Annual	0.36	**0.41**	0.35	0.29	0.30	0.41
PM	24-Hour	6.79	**7.45**	7.08	5.03	5.15	7.45
	Annual	0.59	**0.67**	0.58	0.47	0.49	0.67
NOx	Annual	0.30	**0.33**	0.29	0.23	0.25	0.33
CO	1- Hour	17.03	**17.20**	17.14	16.61	16.57	17.20
	8-Hour	11.77	**12.15**	11.92	11.00	11.69	12.15
Turbines, Unit Emission Rate							
Unit	3- Hour	9.01	8.74	**9.35**	9.10	8.69	9.35
	24-Hour	4.84	4.87	5.41	4.82	**5.58**	5.58
	Annual	0.71	0.70	**0.75**	0.72	0.64	0.75
	1- Hour	9.91	9.96	10.05	**10.11**	9.92	10.11
	8-Hour	6.88	7.56	7.35	**7.84**	6.97	7.84

TABLE E-2
AIR TOXICS MODELING RESULTS

Rhode Island Central Genco, LLC
Johnston, Rhode Island

	1972 ($\mu g/m^3$)	1976 ($\mu g/m^3$)	1980 ($\mu g/m^3$)	1984 ($\mu g/m^3$)	1988 ($\mu g/m^3$)	Maximum ($\mu g/m^3$)
Turbines, Hydrogen Chloride						
1- Hour	1.28	1.22	1.25	1.27	1.25	1.28
Annual	0.08	0.10	0.10	0.09	0.09	0.10
Ridgewood, 100% Load,Hydrogen Chloride						
1- Hour	4.50	3.29	4.54	3.47	3.42	4.54
Annual	0.12	0.11	0.11	0.14	0.10	0.14
Ridgewood, Worst-Case Load, Hydrogen Chloride						
1- Hour	2.89	2.77	2.84	2.77	2.83	2.89
Annual	0.17	0.17	0.18	0.21	0.16	0.21
Ridgewood, 100% Load, Mercury,						
1- Hour	0.02135	0.01559	0.02149	0.01643	0.01620	0.0215
24-Hour	0.00702	0.00265	0.00586	0.00617	0.00516	0.0070
Annual	0.00077	0.00080	0.00084	0.00091	0.00078	0.00091
Ridgewood, Worst-Case Load, Mercury						
1- Hour	0.01369	0.01314	0.01347	0.01315	0.01345	0.0137
24-Hour	0.00875	0.00287	0.00800	0.00804	0.00883	0.0088
Annual	0.00087	0.00086	0.00090	0.00105	0.00083	0.0011
Turbines, Mercury						
1- Hour	0.00605	0.00577	0.00590	0.00599	0.00592	0.0061
24-Hour	0.00343	0.00157	0.00366	0.00357	0.00374	0.0037
Annual	0.00036	0.00049	0.00047	0.00042	0.00044	0.00049
Ridgewood, 100% Load, Hydrogen Sulfide						
1- Hour	0.66	0.48	0.66	0.51	0.50	0.66
24-Hour	0.22	0.08	0.18	0.19	0.16	0.22
Annual	0.02	0.02	0.03	0.03	0.02	0.03
Ridgewood,Worst-Case Load, Hydrogen Sulfide						
1- Hour	0.41	0.40	0.41	0.40	0.41	0.41
24-Hour	0.26	0.09	0.24	0.24	0.27	0.27
Annual	0.03	0.03	0.03	0.03	0.03	0.03
Turbines, Hydrogen Sulfide						
1- Hour	0.19	0.18	0.18	0.19	0.18	0.19
24-Hour	0.106	0.048	0.113	0.110	0.116	0.116
Annual	0.011	0.015	0.015	0.013	0.014	0.015
Ridgewood, 100% Load, Methane						
1- Hour	1595.5	1157.4	1620.4	1247.4	1245.3	1620.4
24-Hour	552.0	222.7	476.4	479.0	417.8	552.0
Annual	56.5	58.4	61.4	66.2	57.2	66.2
Ridgewood, Worst-Case Load, Methane						
1- Hour	1024.1	979.8	1005.7	1005.6	1017.2	1024.1
24-Hour	652.4	217.5	607.0	616.1	668.6	668.6
Annual	65.2	64.8	66.9	79.4	62.2	79.4
Turbines, Methane						
1- Hour	440.0	419.6	428.8	435.5	430.2	440.0
24-Hour	249.6	114.0	266.0	259.7	271.9	271.9
Annual	26.2	36.0	34.1	30.9	32.1	36.0
Turbines, Unit Emission Rate						
1- Hour	10.33	9.85	10.07	10.22	10.10	10.33
24-Hour	5.86	2.68	6.25	6.10	6.38	6.38
Annual	0.62	0.84	0.80	0.72	0.75	0.84

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	TURBINES	1ST	324.31305	289547	4630645	109.43	130	86042306	CLF_86.SFC	19	12	4735
2	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	TURBINES	2ND	296.56662	289556.59	4630647	110.67	130	86042306	CLF_86.SFC	19	12	4735
3	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	100PCT	1ST	632.90564	288983.19	4630578.5	133.17	149	86021821	CLF_86.SFC	19	12	4735
4	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	100PCT	2ND	630.56195	288983.19	4630578.5	133.17	149	86021819	CLF_86.SFC	19	12	4735
5	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	ULE100	1ST	24.60462	289031.91	4630586.5	130.21	149	86121910	CLF_86.SFC	19	12	4735
6	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	ULE100	2ND	20.06005	289002.69	4630581.5	131.78	149	86042502	CLF_86.SFC	19	12	4735
7	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	CAT	1ST	488.71033	289075	4630578.5	134.86	138	86011404	CLF_86.SFC	19	12	4735
8	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	CAT	2ND	488.04514	289075	4630578.5	134.86	138	86121917	CLF_86.SFC	19	12	4735
9	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	WCLOAD	1ST	550.51727	288954	4630574	136.28	149	86050619	CLF_86.SFC	19	12	4735
10	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	WCLOAD	2ND	550.21478	288954	4630574	136.28	149	86110518	CLF_86.SFC	19	12	4735
11	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	EXIST100	1ST	632.63727	288983.19	4630578.5	133.17	149	86021821	CLF_86.SFC	19	12	4735
12	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	EXIST100	2ND	630.29352	288983.19	4630578.5	133.17	149	86021819	CLF_86.SFC	19	12	4735
13	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	RIDGE100	1ST	628.38971	288954	4630574	136.28	149	86110518	CLF_86.SFC	19	12	4735
14	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	RIDGE100	2ND	624.85864	288963.69	4630575.5	135.17	149	86110523	CLF_86.SFC	19	12	4735
15	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	EXISTWC	1ST	548.53156	288954	4630574	136.28	149	86110518	CLF_86.SFC	19	12	4735
16	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	EXISTWC	2ND	548.40466	288954	4630574	136.28	149	86050619	CLF_86.SFC	19	12	4735
17	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	ULE50	1ST	17.47351	289080.59	4630594.5	133.21	138	86121916	CLF_86.SFC	19	12	4735
18	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	ULE50	2ND	17.03427	289080.59	4630594.5	133.21	138	86011409	CLF_86.SFC	19	12	4735
19	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	RIDGEWC	1ST	549.47388	288954	4630574	136.28	149	86050619	CLF_86.SFC	19	12	4735
20	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	RIDGEWC	2ND	549.15509	288954	4630574	136.28	149	86110518	CLF_86.SFC	19	12	4735
21	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	NFLRS100	1ST	324.06912	289547	4630645	109.43	130	86042306	CLF_86.SFC	19	12	4735
22	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	NFLRS100	2ND	296.32291	289556.59	4630647	110.67	130	86042306	CLF_86.SFC	19	12	4735
23	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	NFLRSWC	1ST	248.29103	289566.09	4630649	110.69	130	86121909	CLF_86.SFC	19	12	4735
24	AERMOD	Ridgewood criteria_1986_CO.USF	CO	1-HR	NFLRSWC	2ND	228.01738	289575.69	4630651	109.92	130	86091618	CLF_86.SFC	19	12	4735
25	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	TURBINES	1ST	194.89	289623.5	4630660.5	107.55	130	86030724	CLF_86.SFC	19	12	4735
26	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	TURBINES	2ND	154.43884	290500.25	4630731.5	98.14	107	86082508	CLF_86.SFC	19	12	4735
27	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	100PCT	1ST	584.74432	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
28	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	100PCT	2ND	477.90924	288963.69	4630575.5	135.17	149	86110524	CLF_86.SFC	19	12	4735
29	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	ULE100	1ST	13.70052	288983.19	4630578.5	133.17	149	86042508	CLF_86.SFC	19	12	4735
30	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	ULE100	2ND	10.8899	289058.69	4630573	133.97	138	86032108	CLF_86.SFC	19	12	4735
31	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	CAT	1ST	431.03903	289075	4630578.5	134.86	138	86011408	CLF_86.SFC	19	12	4735
32	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	CAT	2ND	366.19131	289075.66	4630551.5	137.51	137.51	86121924	CLF_86.SFC	19	12	4735
33	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	WCLOAD	1ST	481.61398	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
34	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	WCLOAD	2ND	422.07837	288963.69	4630575.5	135.17	149	86110524	CLF_86.SFC	19	12	4735
35	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	EXIST100	1ST	584.47717	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
36	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	EXIST100	2ND	473.81738	288963.69	4630575.5	135.17	149	86061224	CLF_86.SFC	19	12	4735
37	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	RIDGE100	1ST	574.79626	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
38	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	RIDGE100	2ND	475.27545	288963.69	4630575.5	135.17	149	86110524	CLF_86.SFC	19	12	4735
39	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	EXISTWC	1ST	481.40558	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
40	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	EXISTWC	2ND	418.54468	288963.69	4630575.5	135.17	149	86110524	CLF_86.SFC	19	12	4735
41	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	ULE50	1ST	12.52253	289061.19	4630591	130.82	138	86032108	CLF_86.SFC	19	12	4735
42	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	ULE50	2ND	11.76939	289070.91	4630592.5	132.2	138	86032108	CLF_86.SFC	19	12	4735
43	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	RIDGEWC	1ST	468.38565	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
44	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	RIDGEWC	2ND	418.60492	288963.69	4630575.5	135.17	149	86110524	CLF_86.SFC	19	12	4735
45	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	NFLRS100	1ST	194.55135	289623.5	4630660.5	107.55	130	86030724	CLF_86.SFC	19	12	4735
46	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	NFLRS100	2ND	152.5107	289556.59	4630647	110.67	130	86042508	CLF_86.SFC	19	12	4735
47	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	NFLRSWC	1ST	184.79164	289575.69	4630651	109.92	130	86121916	CLF_86.SFC	19	12	4735
48	AERMOD	Ridgewood criteria_1986_CO.USF	CO	8-HR	NFLRSWC	2ND	183.6869	289575.69	4630651	109.92	130	86032108	CLF_86.SFC	19	12	4735
49	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	TURBINES	1ST	3.67098	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	19	12	4735
50	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	100PCT	1ST	13.60254	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
51	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	ULE100	1ST	0.22519	289080.59	4630594.5	133.21	138	1 YRS	CLF_86.SFC	19	12	4735
52	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	CAT	1ST	6.23482	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_86.SFC	19	12	4735
53	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	WCLOAD	1ST	12.6856	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
54	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	EXIST100	1ST	13.31303	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
55	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	RIDGE100	1ST	13.04538	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
56	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	EXISTWC	1ST	12.40812	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
57	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	ULE50	1ST	0.29657	289080.59	4630594.5	133.21	138	1 YRS	CLF_86.SFC	19	12	4735
58	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	RIDGEWC	1ST	12.07484	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
59	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	NFLRS100	1ST	1.43415	289621	4630577	124.49	130	1 YRS	CLF_86.SFC	19	12	4735
60	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	ANNUAL	NFLRSWC	1ST	4.01958	289566.09	4630649	110.69	130	1 YRS	CLF_86.SFC	19	12	4735
61	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	TURBINES	1ST	64.08293	289623.5	4630660.5	107.55	130	86030724	CLF_86.SFC	19	12	4735
62	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	TURBINES	2ND	60.82724	289556.59	4630647	110.67	130	86051212	CLF_86.SFC	19	12	4735
63	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	100PCT	1ST	147.31641	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
64	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	100PCT	2ND	134.16125	288983.19	4630578.5	133.17	149	86021820	CLF_86.SFC	19	12	4735
65	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	ULE100	1ST	7.45381	289031.91	4630586.5	130.21	149	86121912	CLF_86.SFC	19	12	4735
66	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	ULE100	2ND	6.0439	289070.91	4630592.5	132.2	138	86032104	CLF_86.SFC	19	12	4735
67	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	CAT	1ST	79.45092	289075	4630578.5	134.86	138	86011404	CLF_86.SFC	19	12	4735
68	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	CAT	2ND	77.24453	289075	4630578.5	134.86	138	86011408	CLF_86.SFC	19	12	4735
69	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	WCLOAD	1ST	131.94824	290337	4631272.5	110.82	110.82	86122516	CLF_86.SFC	19	12	4735
70	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	WCLOAD	2ND	123.33579	290344.41	4631266	110.01	110.01	86021416	CLF_86.SFC	19	12	4735
71	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	EXIST100	1ST	147.24721	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
72	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	EXIST100	2ND	134.09171	288983.19	4630578.5	133.17	149	86021820	CLF_86.SFC	19	12	4735
73	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	RIDGE100	1ST	143.8618	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
74	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	RIDGE100	2ND	131.51273	288983.19	4630578.5	133.17	149	86021820	CLF_86.SFC	19	12	4735
75	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	EXISTWC	1ST	130.95346	290337	4631272.5	110.82	110.82	86122516	CLF_86.SFC	19	12	4735
76	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	EXISTWC	2ND	122.58073	290344.41	4631266	110.01	110.01	86021416	CLF_86.SFC	19	12	4735
77	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	ULE50	1ST	5.79609	289061.19	4630591	130.82	138	86032104	CLF_86.SFC	19	12	4735
78	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	ULE50	2ND	5.58595	289070.91	4630592.5	132.2	138	86032104	CLF_86.SFC	19	12	4735
79	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	RIDGEWC	1ST	114.57504	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
80	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	RIDGEWC	2ND	109.61765	288983.19	4630578.5	133.17	149	86021820	CLF_86.SFC	19	12	4735
81	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	NFLRS100	1ST	64.00258	289623.5	4630660.5	107.55	130	86030724	CLF_86.SFC	19	12	4735
82	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	NFLRS100	2ND	60.79671	289556.59	4630647	110.67	130	86051212	CLF_86.SFC	19	12	4735
83	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	NFLRSWC	1ST	61.26299	289566.09	4630649	110.69	130	86121912	CLF_86.SFC	19	12	4735
84	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	4-HR	NFLRSWC	2ND	59.45815	289575.69	4630651	109.92	130	86032104	CLF_86.SFC	19	12	4735
85	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	TURBINES	1ST	58.89746	289623.5	4630660.5	107.55	130	86030724	CLF_86.SFC	19	12	4735
86	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	TURBINES	2ND	46.33056	289556.59	4630647	110.67	130	86042508	CLF_86.SFC	19	12	4735
87	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	100PCT	1ST	140.73883	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
88	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	100PCT	2ND	113.06641	288993	4630580	132.22	149	86101808	CLF_86.SFC	19	12	4735
89	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	ULE100	1ST	5.71084	288983.19	4630578.5	133.17	149	86042508	CLF_86.SFC	19	12	4735
90	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	ULE100	2ND	4.53928	289058.69	4630573	133.97	138	86032108	CLF_86.SFC	19	12	4735
91	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	CAT	1ST	78.34772	289075	4630578.5	134.86	138	86011408	CLF_86.SFC	19	12	4735
92	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	CAT	2ND	66.56068	289075.66	4630551.5	137.51	137.51	86121924	CLF_86.SFC	19	12	4735
93	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	WCLOAD	1ST	116.51763	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
94	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	WCLOAD	2ND	98.17149	290344.41	4631266	110.01	110.01	86120616	CLF_86.SFC	19	12	4735
95	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	EXIST100	1ST	140.66945	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
96	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	EXIST100	2ND	112.98749	288993	4630580	132.22	149	86101808	CLF_86.SFC	19	12	4735
97	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	RIDGE100	1ST	137.68727	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
98	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	RIDGE100	2ND	111.60939	288993	4630580	132.22	149	86101808	CLF_86.SFC	19	12	4735
99	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	EXISTWC	1ST	116.46616	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
100	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	EXISTWC	2ND	97.21013	290344.41	4631266	110.01	110.01	86120616	CLF_86.SFC	19	12	4735
101	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	ULE50	1ST	5.2233	289061.19	4630591	130.82	138	86032108	CLF_86.SFC	19	12	4735
102	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	ULE50	2ND	4.90916	289070.91	4630592.5	132.2	138	86032108	CLF_86.SFC	19	12	4735
103	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	RIDGEWC	1ST	112.09634	288983.19	4630578.5	133.17	149	86021824	CLF_86.SFC	19	12	4735
104	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	RIDGEWC	2ND	94.80653	288993	4630580	132.22	149	86101808	CLF_86.SFC	19	12	4735
105	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	NFLRS100	1ST	58.82021	289623.5	4630660.5	107.55	130	86030724	CLF_86.SFC	19	12	4735
106	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	NFLRS100	2ND	46.25861	289556.59	4630647	110.67	130	86042508	CLF_86.SFC	19	12	4735
107	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	NFLRSWC	1ST	55.7091	289575.69	4630651	109.92	130	86121916	CLF_86.SFC	19	12	4735
108	AERMOD	Ridgewood criteria_1986_NOX.USF	NOX	8-HR	NFLRSWC	2ND	55.38654	289575.69	4630651	109.92	130	86032108	CLF_86.SFC	19	12	4735
109	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	TURBINES	1ST	2.37562	290254.03	4630775	94.35	101	1 YRS	CLF_86.SFC	21	12	4735
110	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	100PCT	1ST	2.65044	290254.03	4630775	94.35	101	1 YRS	CLF_86.SFC	21	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
111	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	ULE100	1ST	0.45003	289080.59	4630594.5	133.21	138	1 YRS	CLF_86.SFC	21	12	4735
112	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	CAT	1ST	0.62449	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_86.SFC	21	12	4735
113	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	WCLOAD	1ST	2.62968	290254.03	4630775	94.35	101	1 YRS	CLF_86.SFC	21	12	4735
114	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	EXIST100	1ST	2.32112	288983.19	4630578.5	133.17	149	1 YRS	CLF_86.SFC	21	12	4735
115	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	RIDGE100	1ST	2.43179	290254.03	4630775	94.35	101	1 YRS	CLF_86.SFC	21	12	4735
116	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	EXISTWC	1ST	2.27208	288983.19	4630578.5	133.17	149	1 YRS	CLF_86.SFC	21	12	4735
117	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	ULE50	1ST	0.59315	289080.59	4630594.5	133.21	138	1 YRS	CLF_86.SFC	21	12	4735
118	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	RIDGEWC	1ST	2.40938	290254.03	4630775	94.35	101	1 YRS	CLF_86.SFC	21	12	4735
119	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	NFLRS100	1ST	0.67311	289650	4630622	114.6	130	1 YRS	CLF_86.SFC	21	12	4735
120	AERMOD	Ridgewood criteria_1986_PM.USF	PM	ANNUAL	NFLRSWC	1ST	1.35368	289566.09	4630649	110.69	130	1 YRS	CLF_86.SFC	21	12	4735
121	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	TURBINES	1ST	13.69618	289642.59	4630664.5	106.7	130	86030724	CLF_86.SFC	21	12	4735
122	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	TURBINES	2ND	9.56667	289638.09	4630655	108.23	130	86032024	CLF_86.SFC	21	12	4735
123	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	100PCT	1ST	19.76312	288973.5	4630577	134.23	149	86042324	CLF_86.SFC	21	12	4735
124	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	100PCT	2ND	18.69135	288973.5	4630577	134.23	149	86042524	CLF_86.SFC	21	12	4735
125	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	ULE100	1ST	6.72036	288973.5	4630577	134.23	149	86042524	CLF_86.SFC	21	12	4735
126	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	ULE100	2ND	6.11519	288963.69	4630575.5	135.17	149	86042324	CLF_86.SFC	21	12	4735
127	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	CAT	1ST	5.25123	289075	4630578.5	134.86	138	86011424	CLF_86.SFC	21	12	4735
128	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	CAT	2ND	4.81648	289075.66	4630551.5	137.51	137.51	86022524	CLF_86.SFC	21	12	4735
129	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	WCLOAD	1ST	17.10366	288973.5	4630577	134.23	149	86042324	CLF_86.SFC	21	12	4735
130	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	WCLOAD	2ND	15.72933	288983.19	4630578.5	133.17	149	86042524	CLF_86.SFC	21	12	4735
131	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	EXIST100	1ST	19.74556	288973.5	4630577	134.23	149	86042324	CLF_86.SFC	21	12	4735
132	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	EXIST100	2ND	18.67433	288973.5	4630577	134.23	149	86042524	CLF_86.SFC	21	12	4735
133	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	RIDGE100	1ST	13.87591	289642.59	4630664.5	106.7	130	86030724	CLF_86.SFC	21	12	4735
134	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	RIDGE100	2ND	12.59572	288983.19	4630578.5	133.17	149	86042324	CLF_86.SFC	21	12	4735
135	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	EXISTWC	1ST	17.09162	288973.5	4630577	134.23	149	86042324	CLF_86.SFC	21	12	4735
136	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	EXISTWC	2ND	15.71725	288983.19	4630578.5	133.17	149	86042524	CLF_86.SFC	21	12	4735
137	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	ULE50	1ST	6.93911	289090.41	4630596	131.7	138	86011424	CLF_86.SFC	21	12	4735
138	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	ULE50	2ND	6.79179	289080.59	4630594.5	133.21	138	86011424	CLF_86.SFC	21	12	4735
139	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	RIDGEWC	1ST	11.91626	289556.59	4630647	110.67	130	86042524	CLF_86.SFC	21	12	4735
140	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	RIDGEWC	2ND	11.40234	289556.59	4630647	110.67	130	86042324	CLF_86.SFC	21	12	4735
141	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	NFLRS100	1ST	13.34359	289642.59	4630664.5	106.7	130	86030724	CLF_86.SFC	21	12	4735
142	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	NFLRS100	2ND	9.19791	289629.69	4630653	108.6	130	86032024	CLF_86.SFC	21	12	4735
143	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	NFLRSWC	1ST	11.54077	289556.59	4630647	110.67	130	86042524	CLF_86.SFC	21	12	4735
144	AERMOD	Ridgewood criteria_1986_PM.USF	PM	24-HR	NFLRSWC	2ND	11.0134	289556.59	4630647	110.67	130	86042324	CLF_86.SFC	21	12	4735
145	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	TURBINES	1ST	1.27841	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	19	12	4735
146	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	100PCT	1ST	4.37174	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
147	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	ULE100	1ST	0.27644	289080.59	4630594.5	133.21	138	1 YRS	CLF_86.SFC	19	12	4735
148	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	CAT	1ST	1.30438	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_86.SFC	19	12	4735
149	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	WCLOAD	1ST	4.28513	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
150	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	EXIST100	1ST	4.2536	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
151	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	RIDGE100	1ST	2.3287	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_86.SFC	19	12	4735
152	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	EXISTWC	1ST	4.1755	289075	4630578.5	134.86	138	1 YRS	CLF_86.SFC	19	12	4735
153	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	ULE50	1ST	0.36406	289080.59	4630594.5	133.21	138	1 YRS	CLF_86.SFC	19	12	4735
154	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	RIDGEWC	1ST	2.49293	289566.09	4630649	110.69	130	1 YRS	CLF_86.SFC	19	12	4735
155	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	NFLRS100	1ST	0.82892	289621	4630602	119.14	130	1 YRS	CLF_86.SFC	19	12	4735
156	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	ANNUAL	NFLRSWC	1ST	2.14346	289566.09	4630649	110.69	130	1 YRS	CLF_86.SFC	19	12	4735
157	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	TURBINES	1ST	52.01649	289547	4630645	109.43	130	86042306	CLF_86.SFC	19	12	4735
158	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	TURBINES	2ND	48.00569	289556.59	4630647	110.67	130	86042306	CLF_86.SFC	19	12	4735
159	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	100PCT	1ST	53.4	289304.09	4632012	121.2	128	86011209	CLF_86.SFC	19	12	4735
160	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	100PCT	2ND	52.07079	289313.5	4632011.5	122.2	128	86091206	CLF_86.SFC	19	12	4735
161	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	ULE100	1ST	12.58994	289031.91	4630586.5	130.21	149	86121910	CLF_86.SFC	19	12	4735
162	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	ULE100	2ND	10.26453	289002.69	4630581.5	131.78	149	86042502	CLF_86.SFC	19	12	4735
163	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	CAT	1ST	18.58405	289075	4630578.5	134.86	138	86011404	CLF_86.SFC	19	12	4735
164	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	CAT	2ND	18.55876	289075	4630578.5	134.86	138	86121917	CLF_86.SFC	19	12	4735
165	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	WCLOAD	1ST	52.97988	289304.09	4632012	121.2	128	86011209	CLF_86.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
166	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	WCLOAD	2ND	51.72509	289313.5	4632011.5	122.2	128	86091206	CLF_86.SFC	19	12	4735
167	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	EXIST100	1ST	53.30964	289304.09	4632012	121.2	128	86011209	CLF_86.SFC	19	12	4735
168	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	EXIST100	2ND	51.99113	289313.5	4632011.5	122.2	128	86091206	CLF_86.SFC	19	12	4735
169	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	RIDGE100	1ST	52.04227	289547	4630645	109.43	130	86042306	CLF_86.SFC	19	12	4735
170	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	RIDGE100	2ND	48.03071	289556.59	4630647	110.67	130	86042306	CLF_86.SFC	19	12	4735
171	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	EXISTWC	1ST	52.94468	289304.09	4632012	121.2	128	86011209	CLF_86.SFC	19	12	4735
172	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	EXISTWC	2ND	51.68878	289313.5	4632011.5	122.2	128	86091206	CLF_86.SFC	19	12	4735
173	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	ULE50	1ST	8.947	289080.59	4630594.5	133.21	138	86121916	CLF_86.SFC	19	12	4735
174	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	ULE50	2ND	8.72209	289080.59	4630594.5	133.21	138	86011409	CLF_86.SFC	19	12	4735
175	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	RIDGEWC	1ST	39.55494	289566.09	4630649	110.69	130	86121909	CLF_86.SFC	19	12	4735
176	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	RIDGEWC	2ND	36.23132	289575.69	4630651	109.92	130	86091618	CLF_86.SFC	19	12	4735
177	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	NFLRS100	1ST	51.9976	289547	4630645	109.43	130	86042306	CLF_86.SFC	19	12	4735
178	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	NFLRS100	2ND	47.98682	289556.59	4630647	110.67	130	86042306	CLF_86.SFC	19	12	4735
179	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	NFLRSWC	1ST	39.52243	289566.09	4630649	110.69	130	86121909	CLF_86.SFC	19	12	4735
180	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	1-HR	NFLRSWC	2ND	36.18771	289575.69	4630651	109.92	130	86091618	CLF_86.SFC	19	12	4735
181	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	TURBINES	1ST	34.70462	289633	4630662.5	107.14	130	86030721	CLF_86.SFC	19	12	4735
182	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	TURBINES	2ND	32.61282	289556.59	4630647	110.67	130	86051212	CLF_86.SFC	19	12	4735
183	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	100PCT	1ST	46.70382	289276.19	4632014	120.02	128	86032621	CLF_86.SFC	19	12	4735
184	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	100PCT	2ND	45.08279	289170.69	4632035.5	126.53	131	86012606	CLF_86.SFC	19	12	4735
185	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	ULE100	1ST	10.2356	289041.69	4630588	129.69	149	86121912	CLF_86.SFC	19	12	4735
186	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	ULE100	2ND	7.67745	289070.91	4630592.5	132.2	138	86032103	CLF_86.SFC	19	12	4735
187	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	CAT	1ST	17.09299	289075	4630578.5	134.86	138	86123106	CLF_86.SFC	19	12	4735
188	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	CAT	2ND	16.77802	289075	4630578.5	134.86	138	86022521	CLF_86.SFC	19	12	4735
189	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	WCLOAD	1ST	46.23812	289276.19	4632014	120.02	128	86032621	CLF_86.SFC	19	12	4735
190	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	WCLOAD	2ND	44.70777	289360.09	4632008	122.48	122.48	86060421	CLF_86.SFC	19	12	4735
191	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	EXIST100	1ST	46.40253	289276.19	4632014	120.02	128	86032621	CLF_86.SFC	19	12	4735
192	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	EXIST100	2ND	44.75645	289360.09	4632008	122.48	122.48	86060421	CLF_86.SFC	19	12	4735
193	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	RIDGE100	1ST	34.93332	289633	4630662.5	107.14	130	86030721	CLF_86.SFC	19	12	4735
194	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	RIDGE100	2ND	32.62202	289556.59	4630647	110.67	130	86051212	CLF_86.SFC	19	12	4735
195	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	EXISTWC	1ST	46.14526	289276.19	4632014	120.02	128	86032621	CLF_86.SFC	19	12	4735
196	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	EXISTWC	2ND	44.68282	289360.09	4632008	122.48	122.48	86060421	CLF_86.SFC	19	12	4735
197	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	ULE50	1ST	7.65652	289080.59	4630594.5	133.21	138	86123021	CLF_86.SFC	19	12	4735
198	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	ULE50	2ND	7.61796	289080.59	4630594.5	133.21	138	86121918	CLF_86.SFC	19	12	4735
199	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	RIDGEWC	1ST	32.88224	289575.69	4630651	109.92	130	86121912	CLF_86.SFC	19	12	4735
200	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	RIDGEWC	2ND	32.85611	289575.69	4630651	109.92	130	86032103	CLF_86.SFC	19	12	4735
201	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	NFLRS100	1ST	34.67678	289633	4630662.5	107.14	130	86030721	CLF_86.SFC	19	12	4735
202	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	NFLRS100	2ND	32.60286	289556.59	4630647	110.67	130	86051212	CLF_86.SFC	19	12	4735
203	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	NFLRSWC	1ST	32.86752	289575.69	4630651	109.92	130	86121912	CLF_86.SFC	19	12	4735
204	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	3-HR	NFLRSWC	2ND	32.81184	289575.69	4630651	109.92	130	86032103	CLF_86.SFC	19	12	4735
205	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	TURBINES	1ST	20.27199	289633	4630662.5	107.14	130	86030724	CLF_86.SFC	19	12	4735
206	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	TURBINES	2ND	12.3275	289638.53	4630640.5	110.91	130	86032024	CLF_86.SFC	19	12	4735
207	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	100PCT	1ST	26.47771	289180.31	4632033.5	125.25	131	86012624	CLF_86.SFC	19	12	4735
208	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	100PCT	2ND	23.89076	289406.69	4632001.5	122.06	128	86091224	CLF_86.SFC	19	12	4735
209	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	ULE100	1ST	4.12814	288973.5	4630577	134.23	149	86042524	CLF_86.SFC	19	12	4735
210	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	ULE100	2ND	3.7564	288963.69	4630575.5	135.17	149	86042324	CLF_86.SFC	19	12	4735
211	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	CAT	1ST	10.9683	289075	4630578.5	134.86	138	86011424	CLF_86.SFC	19	12	4735
212	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	CAT	2ND	10.06024	289075.66	4630551.5	137.51	137.51	86022524	CLF_86.SFC	19	12	4735
213	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	WCLOAD	1ST	26.14395	289180.31	4632033.5	125.25	131	86012624	CLF_86.SFC	19	12	4735
214	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	WCLOAD	2ND	23.84022	289406.69	4632001.5	122.06	128	86091224	CLF_86.SFC	19	12	4735
215	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	EXIST100	1ST	25.74521	289180.31	4632033.5	125.25	131	86012624	CLF_86.SFC	19	12	4735
216	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	EXIST100	2ND	23.86651	289406.69	4632001.5	122.06	128	86091224	CLF_86.SFC	19	12	4735
217	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	RIDGE100	1ST	20.56086	289633	4630662.5	107.14	130	86030724	CLF_86.SFC	19	12	4735
218	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	RIDGE100	2ND	12.85668	288973.5	4630577	134.23	149	86061224	CLF_86.SFC	19	12	4735
219	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	EXISTWC	1ST	25.72231	289180.31	4632033.5	125.25	131	86012624	CLF_86.SFC	19	12	4735
220	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	EXISTWC	2ND	23.82545	289406.69	4632001.5	122.06	128	86091224	CLF_86.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
221	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	ULE50	1ST	4.2591	289090.41	4630596	131.7	138	86011424	CLF_86.SFC	19	12	4735
222	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	ULE50	2ND	4.16868	289080.59	4630594.5	133.21	138	86011424	CLF_86.SFC	19	12	4735
223	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	RIDGEWC	1ST	18.95208	289604.41	4630657	108.45	130	86032024	CLF_86.SFC	19	12	4735
224	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	RIDGEWC	2ND	17.11051	289556.59	4630647	110.67	130	86042324	CLF_86.SFC	19	12	4735
225	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	NFLRS100	1ST	20.24342	289633	4630662.5	107.14	130	86030724	CLF_86.SFC	19	12	4735
226	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	NFLRS100	2ND	12.29503	289638.53	4630640.5	110.91	130	86032024	CLF_86.SFC	19	12	4735
227	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	NFLRSWC	1ST	18.96525	289604.41	4630657	108.45	130	86032024	CLF_86.SFC	19	12	4735
228	AERMOD	Ridgewood criteria_1986_SO2.USF	SO2	24-HR	NFLRSWC	2ND	17.05531	289556.59	4630647	110.67	130	86042324	CLF_86.SFC	19	12	4735
229	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	ANNUAL	TURBINES	1ST	0.70587	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	1	5	4735
230	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	ANNUAL	100PCT	1ST	0.70587	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	1	5	4735
231	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	ANNUAL	WCLOAD	1ST	0.70587	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	1	5	4735
232	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	ANNUAL	RIDGE100	1ST	0.70587	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	1	5	4735
233	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	ANNUAL	RIDGEWC	1ST	0.70587	290519.41	4630601.5	98.06	108	1 YRS	CLF_86.SFC	1	5	4735
234	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	TURBINES	1ST	10.30487	290415.41	4630610.5	95.38	95.38	86071521	CLF_86.SFC	1	5	4735
235	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	TURBINES	2ND	9.91266	290415.41	4630610.5	95.38	95.38	86062503	CLF_86.SFC	1	5	4735
236	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	100PCT	1ST	10.30487	290415.41	4630610.5	95.38	95.38	86071521	CLF_86.SFC	1	5	4735
237	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	100PCT	2ND	9.91266	290415.41	4630610.5	95.38	95.38	86062503	CLF_86.SFC	1	5	4735
238	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	WCLOAD	1ST	10.30487	290415.41	4630610.5	95.38	95.38	86071521	CLF_86.SFC	1	5	4735
239	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	WCLOAD	2ND	9.91266	290415.41	4630610.5	95.38	95.38	86062503	CLF_86.SFC	1	5	4735
240	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	RIDGE100	1ST	10.30487	290415.41	4630610.5	95.38	95.38	86071521	CLF_86.SFC	1	5	4735
241	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	RIDGE100	2ND	9.91266	290415.41	4630610.5	95.38	95.38	86062503	CLF_86.SFC	1	5	4735
242	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	RIDGEWC	1ST	10.30487	290415.41	4630610.5	95.38	95.38	86071521	CLF_86.SFC	1	5	4735
243	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	1-HR	RIDGEWC	2ND	9.91266	290415.41	4630610.5	95.38	95.38	86062503	CLF_86.SFC	1	5	4735
244	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	TURBINES	1ST	9.59421	290468.84	4630710.5	95.38	107	86082421	CLF_86.SFC	1	5	4735
245	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	TURBINES	2ND	9.00933	290481.12	4630633.5	96.5	108	86031121	CLF_86.SFC	1	5	4735
246	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	100PCT	1ST	9.59421	290468.84	4630710.5	95.38	107	86082421	CLF_86.SFC	1	5	4735
247	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	100PCT	2ND	9.00933	290481.12	4630633.5	96.5	108	86031121	CLF_86.SFC	1	5	4735
248	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	WCLOAD	1ST	9.59421	290468.84	4630710.5	95.38	107	86082421	CLF_86.SFC	1	5	4735
249	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	WCLOAD	2ND	9.00933	290481.12	4630633.5	96.5	108	86031121	CLF_86.SFC	1	5	4735
250	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	RIDGE100	1ST	9.59421	290468.84	4630710.5	95.38	107	86082421	CLF_86.SFC	1	5	4735
251	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	RIDGE100	2ND	9.00933	290481.12	4630633.5	96.5	108	86031121	CLF_86.SFC	1	5	4735
252	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	RIDGEWC	1ST	9.59421	290468.84	4630710.5	95.38	107	86082421	CLF_86.SFC	1	5	4735
253	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	3-HR	RIDGEWC	2ND	9.00933	290481.12	4630633.5	96.5	108	86031121	CLF_86.SFC	1	5	4735
254	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	TURBINES	1ST	8.59011	290492.34	4630702	96.68	108	86082424	CLF_86.SFC	1	5	4735
255	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	TURBINES	2ND	6.8841	290500.25	4630731.5	98.14	107	86082508	CLF_86.SFC	1	5	4735
256	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	100PCT	1ST	8.59011	290492.34	4630702	96.68	108	86082424	CLF_86.SFC	1	5	4735
257	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	100PCT	2ND	6.8841	290500.25	4630731.5	98.14	107	86082508	CLF_86.SFC	1	5	4735
258	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	WCLOAD	1ST	8.59011	290492.34	4630702	96.68	108	86082424	CLF_86.SFC	1	5	4735
259	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	WCLOAD	2ND	6.8841	290500.25	4630731.5	98.14	107	86082508	CLF_86.SFC	1	5	4735
260	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	RIDGE100	1ST	8.59011	290492.34	4630702	96.68	108	86082424	CLF_86.SFC	1	5	4735
261	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	RIDGE100	2ND	6.8841	290500.25	4630731.5	98.14	107	86082508	CLF_86.SFC	1	5	4735
262	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	RIDGEWC	1ST	8.59011	290492.34	4630702	96.68	108	86082424	CLF_86.SFC	1	5	4735
263	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	8-HR	RIDGEWC	2ND	6.8841	290500.25	4630731.5	98.14	107	86082508	CLF_86.SFC	1	5	4735
264	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	TURBINES	1ST	5.78532	290481.12	4630633.5	96.5	108	86032024	CLF_86.SFC	1	5	4735
265	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	TURBINES	2ND	4.83598	290227.91	4630589	89	100	86041824	CLF_86.SFC	1	5	4735
266	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	100PCT	1ST	5.78532	290481.12	4630633.5	96.5	108	86032024	CLF_86.SFC	1	5	4735
267	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	100PCT	2ND	4.83598	290227.91	4630589	89	100	86041824	CLF_86.SFC	1	5	4735
268	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	WCLOAD	1ST	5.78532	290481.12	4630633.5	96.5	108	86032024	CLF_86.SFC	1	5	4735
269	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	WCLOAD	2ND	4.83598	290227.91	4630589	89	100	86041824	CLF_86.SFC	1	5	4735
270	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	RIDGE100	1ST	5.78532	290481.12	4630633.5	96.5	108	86032024	CLF_86.SFC	1	5	4735
271	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	RIDGE100	2ND	4.83598	290227.91	4630589	89	100	86041824	CLF_86.SFC	1	5	4735
272	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	RIDGEWC	1ST	5.78532	290481.12	4630633.5	96.5	108	86032024	CLF_86.SFC	1	5	4735
273	AERMOD	Ridgewood criteria_1986_UNIT.USF	UNIT	24-HR	RIDGEWC	2ND	4.83598	290227.91	4630589	89	100	86041824	CLF_86.SFC	1	5	4735
274	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	TURBINES	1ST	328.65796	289572.78	4630644.5	110.82	130	87111201	CLF_87.SFC	19	12	4735
275	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	TURBINES	2ND	271.76337	289566.09	4630649	110.69	130	87010209	CLF_87.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
276	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	100PCT	1ST	635.80988	288963.69	4630575.5	135.17	149	87020908	CLF_87.SFC	19	12	4735
277	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	100PCT	2ND	634.95709	288963.69	4630575.5	135.17	149	87011018	CLF_87.SFC	19	12	4735
278	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	ULE100	1ST	24.95454	289080.59	4630594.5	133.21	138	87020919	CLF_87.SFC	19	12	4735
279	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	ULE100	2ND	24.71743	289070.91	4630592.5	132.2	138	87021001	CLF_87.SFC	19	12	4735
280	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	CAT	1ST	489.97421	289075	4630578.5	134.86	138	87121708	CLF_87.SFC	19	12	4735
281	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	CAT	2ND	479.35428	289075	4630578.5	134.86	138	87020924	CLF_87.SFC	19	12	4735
282	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	WCLOAD	1ST	552.91467	288954	4630574	136.28	149	87091805	CLF_87.SFC	19	12	4735
283	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	WCLOAD	2ND	550.25726	288954	4630574	136.28	149	87112906	CLF_87.SFC	19	12	4735
284	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	EXIST100	1ST	635.49011	288963.69	4630575.5	135.17	149	87020908	CLF_87.SFC	19	12	4735
285	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	EXIST100	2ND	634.63947	288963.69	4630575.5	135.17	149	87011018	CLF_87.SFC	19	12	4735
286	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	RIDGE100	1ST	633.92084	288954	4630574	136.28	149	87011920	CLF_87.SFC	19	12	4735
287	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	RIDGE100	2ND	633.22174	288963.69	4630575.5	135.17	149	87020908	CLF_87.SFC	19	12	4735
288	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	EXISTWC	1ST	549.64038	288954	4630574	136.28	149	87091805	CLF_87.SFC	19	12	4735
289	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	EXISTWC	2ND	548.14893	288954	4630574	136.28	149	87112906	CLF_87.SFC	19	12	4735
290	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	ULE50	1ST	17.25243	289080.59	4630594.5	133.21	138	87121705	CLF_87.SFC	19	12	4735
291	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	ULE50	2ND	17.19997	289070.91	4630592.5	132.2	138	87013116	CLF_87.SFC	19	12	4735
292	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	RIDGEWC	1ST	552.20184	288954	4630574	136.28	149	87091805	CLF_87.SFC	19	12	4735
293	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	RIDGEWC	2ND	549.3327	288954	4630574	136.28	149	87112906	CLF_87.SFC	19	12	4735
294	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	NFLRS100	1ST	328.38034	289572.78	4630644.5	110.82	130	87111201	CLF_87.SFC	19	12	4735
295	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	NFLRS100	2ND	271.51053	289566.09	4630649	110.69	130	87010209	CLF_87.SFC	19	12	4735
296	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	NFLRSWC	1ST	254.16418	289575.69	4630651	109.92	130	87020917	CLF_87.SFC	19	12	4735
297	AERMOD	Ridgewood criteria_1987_CO.USF	CO	1-HR	NFLRSWC	2ND	249.1239	289585.19	4630653	109.22	130	87020921	CLF_87.SFC	19	12	4735
298	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	TURBINES	1ST	192.00687	289589.28	4630632	112.64	130	87111208	CLF_87.SFC	19	12	4735
299	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	TURBINES	2ND	173.44951	289600	4630622	114.6	130	87111208	CLF_87.SFC	19	12	4735
300	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	100PCT	1ST	530.22955	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
301	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	100PCT	2ND	522.62079	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
302	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	ULE100	1ST	19.69601	289080.59	4630594.5	133.21	138	87020924	CLF_87.SFC	19	12	4735
303	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	ULE100	2ND	16.32194	289070.91	4630592.5	132.2	138	87111208	CLF_87.SFC	19	12	4735
304	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	CAT	1ST	405.60934	289067.09	4630575	134.49	138	87020924	CLF_87.SFC	19	12	4735
305	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	CAT	2ND	371.73862	289075	4630578.5	134.86	138	87020924	CLF_87.SFC	19	12	4735
306	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	WCLOAD	1ST	466.0968	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
307	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	WCLOAD	2ND	464.05493	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
308	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	EXIST100	1ST	528.83307	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
309	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	EXIST100	2ND	520.81238	288963.69	4630575.5	135.17	149	87032208	CLF_87.SFC	19	12	4735
310	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	RIDGE100	1ST	528.15576	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
311	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	RIDGE100	2ND	521.00977	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
312	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	EXISTWC	1ST	464.14682	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
313	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	EXISTWC	2ND	462.81	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
314	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	ULE50	1ST	13.08068	289090.41	4630596	131.7	138	87020924	CLF_87.SFC	19	12	4735
315	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	ULE50	2ND	12.15291	289070.91	4630592.5	132.2	138	87020924	CLF_87.SFC	19	12	4735
316	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	RIDGEWC	1ST	463.97284	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
317	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	RIDGEWC	2ND	461.03503	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
318	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	NFLRS100	1ST	191.67569	289589.28	4630632	112.64	130	87111208	CLF_87.SFC	19	12	4735
319	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	NFLRS100	2ND	173.12239	289600	4630622	114.6	130	87111208	CLF_87.SFC	19	12	4735
320	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	NFLRSWC	1ST	234.90805	289585.19	4630653	109.22	130	87020924	CLF_87.SFC	19	12	4735
321	AERMOD	Ridgewood criteria_1987_CO.USF	CO	8-HR	NFLRSWC	2ND	194.1682	289585.19	4630653	109.22	130	87111208	CLF_87.SFC	19	12	4735
322	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	TURBINES	1ST	3.62185	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	19	12	4735
323	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	100PCT	1ST	14.99071	289050	4630547	136.43	136.43	1 YRS	CLF_87.SFC	19	12	4735
324	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	ULE100	1ST	0.25037	289080.59	4630594.5	133.21	138	1 YRS	CLF_87.SFC	19	12	4735
325	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	CAT	1ST	7.27877	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
326	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	WCLOAD	1ST	13.93346	289050	4630547	136.43	136.43	1 YRS	CLF_87.SFC	19	12	4735
327	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	EXIST100	1ST	14.70755	289050	4630547	136.43	136.43	1 YRS	CLF_87.SFC	19	12	4735
328	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	RIDGE100	1ST	14.42883	289050	4630547	136.43	136.43	1 YRS	CLF_87.SFC	19	12	4735
329	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	EXISTWC	1ST	13.66428	289050	4630547	136.43	136.43	1 YRS	CLF_87.SFC	19	12	4735
330	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	ULE50	1ST	0.33277	289080.59	4630594.5	133.21	138	1 YRS	CLF_87.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
331	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	RIDGEWC	1ST	13.33337	289050	4630547	136.43	136.43	1 YRS	CLF_87.SFC	19	12	4735
332	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	NFLRS100	1ST	1.61702	289599.28	4630579	122.76	130	1 YRS	CLF_87.SFC	19	12	4735
333	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	ANNUAL	NFLRSWC	1ST	4.63247	289566.09	4630649	110.69	130	1 YRS	CLF_87.SFC	19	12	4735
334	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	TURBINES	1ST	69.7853	289583.5	4630637	111.65	130	87111204	CLF_87.SFC	19	12	4735
335	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	TURBINES	2ND	59.6694	289564.66	4630627.5	112.66	130	87030924	CLF_87.SFC	19	12	4735
336	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	100PCT	1ST	140.38431	288983.19	4630578.5	133.17	149	87092004	CLF_87.SFC	19	12	4735
337	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	100PCT	2ND	129.94981	288973.5	4630577	134.23	149	87020908	CLF_87.SFC	19	12	4735
338	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	ULE100	1ST	8.44056	289080.59	4630594.5	133.21	138	87020924	CLF_87.SFC	19	12	4735
339	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	ULE100	2ND	7.97936	289080.59	4630594.5	133.21	138	87020920	CLF_87.SFC	19	12	4735
340	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	CAT	1ST	79.75394	289075	4630578.5	134.86	138	87121708	CLF_87.SFC	19	12	4735
341	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	CAT	2ND	73.62458	289075	4630578.5	134.86	138	87021008	CLF_87.SFC	19	12	4735
342	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	WCLOAD	1ST	125.56326	290344.41	4631266	110.01	110.01	87122512	CLF_87.SFC	19	12	4735
343	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	WCLOAD	2ND	116.5183	290344.41	4631266	110.01	110.01	87120912	CLF_87.SFC	19	12	4735
344	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	EXIST100	1ST	140.30136	288983.19	4630578.5	133.17	149	87092004	CLF_87.SFC	19	12	4735
345	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	EXIST100	2ND	129.87836	288973.5	4630577	134.23	149	87020908	CLF_87.SFC	19	12	4735
346	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	RIDGE100	1ST	137.58972	288983.19	4630578.5	133.17	149	87092004	CLF_87.SFC	19	12	4735
347	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	RIDGE100	2ND	127.30037	288973.5	4630577	134.23	149	87020908	CLF_87.SFC	19	12	4735
348	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	EXISTWC	1ST	124.67863	290344.41	4631266	110.01	110.01	87122512	CLF_87.SFC	19	12	4735
349	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	EXISTWC	2ND	115.64407	290344.41	4631266	110.01	110.01	87120912	CLF_87.SFC	19	12	4735
350	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	ULE50	1ST	6.05244	289080.59	4630594.5	133.21	138	87121708	CLF_87.SFC	19	12	4735
351	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	ULE50	2ND	5.72038	289093.31	4630597	131.16	138	87020924	CLF_87.SFC	19	12	4735
352	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	RIDGEWC	1ST	112.21651	288954	4630574	136.28	149	87082904	CLF_87.SFC	19	12	4735
353	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	RIDGEWC	2ND	109.17484	288954	4630574	136.28	149	87062524	CLF_87.SFC	19	12	4735
354	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	NFLRS100	1ST	69.71344	289583.5	4630637	111.65	130	87111204	CLF_87.SFC	19	12	4735
355	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	NFLRS100	2ND	59.59004	289564.66	4630627.5	112.66	130	87030924	CLF_87.SFC	19	12	4735
356	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	NFLRSWC	1ST	71.38175	289585.19	4630653	109.22	130	87020924	CLF_87.SFC	19	12	4735
357	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	4-HR	NFLRSWC	2ND	70.09673	289585.19	4630653	109.22	130	87020920	CLF_87.SFC	19	12	4735
358	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	TURBINES	1ST	58.17966	289589.28	4630632	112.64	130	87111208	CLF_87.SFC	19	12	4735
359	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	TURBINES	2ND	52.64893	289600	4630622	114.6	130	87111208	CLF_87.SFC	19	12	4735
360	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	100PCT	1ST	119.29092	288973.5	4630577	134.23	149	87091924	CLF_87.SFC	19	12	4735
361	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	100PCT	2ND	118.27621	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
362	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	ULE100	1ST	8.20996	289080.59	4630594.5	133.21	138	87020924	CLF_87.SFC	19	12	4735
363	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	ULE100	2ND	6.80353	289070.91	4630592.5	132.2	138	87111208	CLF_87.SFC	19	12	4735
364	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	CAT	1ST	73.72549	289067.09	4630575	134.49	138	87020924	CLF_87.SFC	19	12	4735
365	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	CAT	2ND	67.56899	289075	4630578.5	134.86	138	87020924	CLF_87.SFC	19	12	4735
366	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	WCLOAD	1ST	109.91369	290337	4631272.5	110.82	110.82	87120916	CLF_87.SFC	19	12	4735
367	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	WCLOAD	2ND	101.5346	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
368	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	EXIST100	1ST	119.21783	288973.5	4630577	134.23	149	87091924	CLF_87.SFC	19	12	4735
369	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	EXIST100	2ND	117.91068	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
370	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	RIDGE100	1ST	117.58231	288963.69	4630575.5	135.17	149	87032208	CLF_87.SFC	19	12	4735
371	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	RIDGE100	2ND	117.23423	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
372	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	EXISTWC	1ST	109.1701	290337	4631272.5	110.82	110.82	87120916	CLF_87.SFC	19	12	4735
373	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	EXISTWC	2ND	101.24729	288963.69	4630575.5	135.17	149	87032208	CLF_87.SFC	19	12	4735
374	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	ULE50	1ST	5.45611	289090.41	4630596	131.7	138	87020924	CLF_87.SFC	19	12	4735
375	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	ULE50	2ND	5.06913	289070.91	4630592.5	132.2	138	87020924	CLF_87.SFC	19	12	4735
376	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	RIDGEWC	1ST	101.08288	288963.69	4630575.5	135.17	149	87091908	CLF_87.SFC	19	12	4735
377	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	RIDGEWC	2ND	100.64182	288963.69	4630575.5	135.17	149	87082824	CLF_87.SFC	19	12	4735
378	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	NFLRS100	1ST	58.10412	289589.28	4630632	112.64	130	87111208	CLF_87.SFC	19	12	4735
379	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	NFLRS100	2ND	52.5743	289600	4630622	114.6	130	87111208	CLF_87.SFC	19	12	4735
380	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	NFLRSWC	1ST	70.73925	289585.19	4630653	109.22	130	87020924	CLF_87.SFC	19	12	4735
381	AERMOD	Ridgewood criteria_1987_NOX.USF	NOX	8-HR	NFLRSWC	2ND	58.59884	289585.19	4630653	109.22	130	87111208	CLF_87.SFC	19	12	4735
382	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	TURBINES	1ST	2.3288	290254.03	4630775	94.35	101	1 YRS	CLF_87.SFC	21	12	4735
383	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	100PCT	1ST	2.64427	288983.19	4630578.5	133.17	149	1 YRS	CLF_87.SFC	21	12	4735
384	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	ULE100	1ST	0.50034	289080.59	4630594.5	133.21	138	1 YRS	CLF_87.SFC	21	12	4735
385	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	CAT	1ST	0.72906	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	21	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
386	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	WCLOAD	1ST	2.61145	290254.03	4630775	94.35	101	1 YRS	CLF_87.SFC	21	12	4735
387	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	EXIST100	1ST	2.5672	288983.19	4630578.5	133.17	149	1 YRS	CLF_87.SFC	21	12	4735
388	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	RIDGE100	1ST	2.387	290254.03	4630775	94.35	101	1 YRS	CLF_87.SFC	21	12	4735
389	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	EXISTWC	1ST	2.51285	288983.19	4630578.5	133.17	149	1 YRS	CLF_87.SFC	21	12	4735
390	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	ULE50	1ST	0.66555	289080.59	4630594.5	133.21	138	1 YRS	CLF_87.SFC	21	12	4735
391	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	RIDGEWC	1ST	2.36649	290254.03	4630775	94.35	101	1 YRS	CLF_87.SFC	21	12	4735
392	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	NFLRS100	1ST	0.72884	289599.28	4630579	122.76	130	1 YRS	CLF_87.SFC	21	12	4735
393	AERMOD	Ridgewood criteria_1987_PM.USF	PM	ANNUAL	NFLRSWC	1ST	1.54244	289566.09	4630649	110.69	130	1 YRS	CLF_87.SFC	21	12	4735
394	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	TURBINES	1ST	11.13918	289571	4630615.5	114.46	130	87031024	CLF_87.SFC	21	12	4735
395	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	TURBINES	2ND	9.23265	289564.66	4630627.5	112.66	130	87111124	CLF_87.SFC	21	12	4735
396	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	100PCT	1ST	18.95106	288973.5	4630577	134.23	149	87041324	CLF_87.SFC	21	12	4735
397	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	100PCT	2ND	18.54894	288983.19	4630578.5	133.17	149	87041324	CLF_87.SFC	21	12	4735
398	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	ULE100	1ST	7.51322	289031.91	4630586.5	130.21	149	87031024	CLF_87.SFC	21	12	4735
399	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	ULE100	2ND	6.19989	289017.88	4630583.5	130.94	149	87111124	CLF_87.SFC	21	12	4735
400	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	CAT	1ST	5.38913	289082.12	4630583.5	134.52	138	87112124	CLF_87.SFC	21	12	4735
401	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	CAT	2ND	5.25317	289075.66	4630551.5	137.51	137.51	87031724	CLF_87.SFC	21	12	4735
402	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	WCLOAD	1ST	16.99087	288983.19	4630578.5	133.17	149	87041724	CLF_87.SFC	21	12	4735
403	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	WCLOAD	2ND	16.24814	288993	4630580	132.22	149	87111124	CLF_87.SFC	21	12	4735
404	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	EXIST100	1ST	18.91925	288973.5	4630577	134.23	149	87041324	CLF_87.SFC	21	12	4735
405	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	EXIST100	2ND	18.51546	288983.19	4630578.5	133.17	149	87041324	CLF_87.SFC	21	12	4735
406	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	RIDGE100	1ST	16.28238	288993	4630580	132.22	149	87012624	CLF_87.SFC	21	12	4735
407	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	RIDGE100	2ND	14.1573	288973.5	4630577	134.23	149	87041624	CLF_87.SFC	21	12	4735
408	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	EXISTWC	1ST	16.97499	288983.19	4630578.5	133.17	149	87041724	CLF_87.SFC	21	12	4735
409	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	EXISTWC	2ND	16.23768	288993	4630580	132.22	149	87111124	CLF_87.SFC	21	12	4735
410	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	ULE50	1ST	7.7836	289031.91	4630586.5	130.21	149	87031024	CLF_87.SFC	21	12	4735
411	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	ULE50	2ND	7.45365	289041.69	4630588	129.69	149	87012624	CLF_87.SFC	21	12	4735
412	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	RIDGEWC	1ST	15.13299	289566.09	4630649	110.69	130	87111124	CLF_87.SFC	21	12	4735
413	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	RIDGEWC	2ND	14.3032	289566.09	4630649	110.69	130	87031024	CLF_87.SFC	21	12	4735
414	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	NFLRS100	1ST	10.91221	289571	4630615.5	114.46	130	87031024	CLF_87.SFC	21	12	4735
415	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	NFLRS100	2ND	8.94583	289638.09	4630655	108.23	130	87110624	CLF_87.SFC	21	12	4735
416	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	NFLRSWC	1ST	14.88083	289566.09	4630649	110.69	130	87111124	CLF_87.SFC	21	12	4735
417	AERMOD	Ridgewood criteria_1987_PM.USF	PM	24-HR	NFLRSWC	2ND	14.17051	289566.09	4630649	110.69	130	87031024	CLF_87.SFC	21	12	4735
418	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	TURBINES	1ST	1.26156	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	19	12	4735
419	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	100PCT	1ST	4.73107	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
420	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	ULE100	1ST	0.30734	289080.59	4630594.5	133.21	138	1 YRS	CLF_87.SFC	19	12	4735
421	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	CAT	1ST	1.52279	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
422	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	WCLOAD	1ST	4.6085	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
423	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	EXIST100	1ST	4.61007	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
424	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	RIDGE100	1ST	2.59563	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
425	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	EXISTWC	1ST	4.49804	289075.66	4630551.5	137.51	137.51	1 YRS	CLF_87.SFC	19	12	4735
426	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	ULE50	1ST	0.4085	289080.59	4630594.5	133.21	138	1 YRS	CLF_87.SFC	19	12	4735
427	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	RIDGEWC	1ST	2.82175	289566.09	4630649	110.69	130	1 YRS	CLF_87.SFC	19	12	4735
428	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	NFLRS100	1ST	0.93614	289599.28	4630579	122.76	130	1 YRS	CLF_87.SFC	19	12	4735
429	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	ANNUAL	NFLRSWC	1ST	2.46295	289566.09	4630649	110.69	130	1 YRS	CLF_87.SFC	19	12	4735
430	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	TURBINES	1ST	52.47956	289572.78	4630644.5	110.82	130	87111201	CLF_87.SFC	19	12	4735
431	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	TURBINES	2ND	43.68324	289566.09	4630649	110.69	130	87010209	CLF_87.SFC	19	12	4735
432	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	100PCT	1ST	54.42745	289572.78	4630644.5	110.82	130	87111201	CLF_87.SFC	19	12	4735
433	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	100PCT	2ND	51.95026	289332.09	4632010	122.71	128	87012301	CLF_87.SFC	19	12	4735
434	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	ULE100	1ST	12.76899	289080.59	4630594.5	133.21	138	87020919	CLF_87.SFC	19	12	4735
435	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	ULE100	2ND	12.64766	289070.91	4630592.5	132.2	138	87021001	CLF_87.SFC	19	12	4735
436	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	CAT	1ST	18.63212	289075	4630578.5	134.86	138	87121708	CLF_87.SFC	19	12	4735
437	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	CAT	2ND	18.22827	289075	4630578.5	134.86	138	87020924	CLF_87.SFC	19	12	4735
438	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	WCLOAD	1ST	51.82717	289322.81	4632011	122.86	128	87102501	CLF_87.SFC	19	12	4735
439	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	WCLOAD	2ND	51.67567	289332.09	4632010	122.71	128	87012301	CLF_87.SFC	19	12	4735
440	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	EXIST100	1ST	52.09699	289322.81	4632011	122.86	128	87102501	CLF_87.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
441	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	EXIST100	2ND	51.92682	289332.09	4632010	122.71	128	87012301	CLF_87.SFC	19	12	4735
442	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	RIDGE100	1ST	52.50457	289572.78	4630644.5	110.82	130	87111201	CLF_87.SFC	19	12	4735
443	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	RIDGE100	2ND	43.7041	289566.09	4630649	110.69	130	87010209	CLF_87.SFC	19	12	4735
444	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	EXISTWC	1ST	51.79995	289322.81	4632011	122.86	128	87102501	CLF_87.SFC	19	12	4735
445	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	EXISTWC	2ND	51.65121	289332.09	4632010	122.71	128	87102501	CLF_87.SFC	19	12	4735
446	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	ULE50	1ST	8.8338	289080.59	4630594.5	133.21	138	87121705	CLF_87.SFC	19	12	4735
447	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	ULE50	2ND	8.80694	289070.91	4630592.5	132.2	138	87013116	CLF_87.SFC	19	12	4735
448	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	RIDGEWC	1ST	40.03574	289575.69	4630651	109.92	130	87020917	CLF_87.SFC	19	12	4735
449	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	RIDGEWC	2ND	39.01607	289585.19	4630653	109.22	130	87020921	CLF_87.SFC	19	12	4735
450	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	NFLRS100	1ST	52.45807	289572.78	4630644.5	110.82	130	87111201	CLF_87.SFC	19	12	4735
451	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	NFLRS100	2ND	43.66366	289566.09	4630649	110.69	130	87010209	CLF_87.SFC	19	12	4735
452	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	NFLRSWC	1ST	40.00375	289575.69	4630651	109.92	130	87020917	CLF_87.SFC	19	12	4735
453	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	1-HR	NFLRSWC	2ND	38.99079	289585.19	4630653	109.22	130	87020921	CLF_87.SFC	19	12	4735
454	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	TURBINES	1ST	39.23865	289589.28	4630632	112.64	130	87111206	CLF_87.SFC	19	12	4735
455	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	TURBINES	2ND	34.40268	289583.5	4630637	111.65	130	87111203	CLF_87.SFC	19	12	4735
456	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	100PCT	1ST	49.42594	289276.19	4632014	120.02	128	87111803	CLF_87.SFC	19	12	4735
457	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	100PCT	2ND	44.8539	289228.41	4632023	120.77	131	87080306	CLF_87.SFC	19	12	4735
458	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	ULE100	1ST	11.91887	289080.59	4630594.5	133.21	138	87020921	CLF_87.SFC	19	12	4735
459	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	ULE100	2ND	9.89023	289080.59	4630594.5	133.21	138	87111206	CLF_87.SFC	19	12	4735
460	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	CAT	1ST	17.20455	289075	4630578.5	134.86	138	87121709	CLF_87.SFC	19	12	4735
461	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	CAT	2ND	16.63559	289075	4630578.5	134.86	138	87021006	CLF_87.SFC	19	12	4735
462	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	WCLOAD	1ST	48.97021	289276.19	4632014	120.02	128	87111803	CLF_87.SFC	19	12	4735
463	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	WCLOAD	2ND	44.26076	289228.41	4632023	120.77	131	87080306	CLF_87.SFC	19	12	4735
464	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	EXIST100	1ST	49.20876	289276.19	4632014	120.02	128	87111803	CLF_87.SFC	19	12	4735
465	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	EXIST100	2ND	44.19715	289228.41	4632023	120.77	131	87080306	CLF_87.SFC	19	12	4735
466	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	RIDGE100	1ST	39.26552	289589.28	4630632	112.64	130	87111206	CLF_87.SFC	19	12	4735
467	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	RIDGE100	2ND	34.43056	289583.5	4630637	111.65	130	87111203	CLF_87.SFC	19	12	4735
468	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	EXISTWC	1ST	48.90231	289276.19	4632014	120.02	128	87111803	CLF_87.SFC	19	12	4735
469	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	EXISTWC	2ND	44.06557	289228.41	4632023	120.77	131	87080306	CLF_87.SFC	19	12	4735
470	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	ULE50	1ST	8.35406	289031.91	4630586.5	130.21	149	87012618	CLF_87.SFC	19	12	4735
471	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	ULE50	2ND	7.43847	289090.41	4630596	131.7	138	87020921	CLF_87.SFC	19	12	4735
472	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	RIDGEWC	1ST	39.08728	289585.19	4630653	109.22	130	87020921	CLF_87.SFC	19	12	4735
473	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	RIDGEWC	2ND	36.5602	289585.19	4630653	109.22	130	87020924	CLF_87.SFC	19	12	4735
474	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	NFLRS100	1ST	39.21441	289589.28	4630632	112.64	130	87111206	CLF_87.SFC	19	12	4735
475	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	NFLRS100	2ND	34.37773	289583.5	4630637	111.65	130	87111203	CLF_87.SFC	19	12	4735
476	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	NFLRSWC	1ST	39.0598	289585.19	4630653	109.22	130	87020921	CLF_87.SFC	19	12	4735
477	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	3-HR	NFLRSWC	2ND	36.53042	289585.19	4630653	109.22	130	87020924	CLF_87.SFC	19	12	4735
478	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	TURBINES	1ST	15.88919	289571	4630615.5	114.46	130	87031024	CLF_87.SFC	19	12	4735
479	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	TURBINES	2ND	12.9945	289558.5	4630594	116.45	130	87111124	CLF_87.SFC	19	12	4735
480	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	100PCT	1ST	24.28777	289190	4632031.5	123.73	131	87033124	CLF_87.SFC	19	12	4735
481	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	100PCT	2ND	21.15231	289199.59	4632029.5	122.09	131	87033024	CLF_87.SFC	19	12	4735
482	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	ULE100	1ST	4.61518	289031.91	4630586.5	130.21	149	87031024	CLF_87.SFC	19	12	4735
483	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	ULE100	2ND	3.80843	289017.88	4630583.5	130.94	149	87111124	CLF_87.SFC	19	12	4735
484	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	CAT	1ST	11.25632	289082.12	4630583.5	134.52	138	87112124	CLF_87.SFC	19	12	4735
485	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	CAT	2ND	10.97235	289075.66	4630551.5	137.51	137.51	87031724	CLF_87.SFC	19	12	4735
486	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	WCLOAD	1ST	25.2414	289566.09	4630649	110.69	130	87031024	CLF_87.SFC	19	12	4735
487	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	WCLOAD	2ND	25.1466	289566.09	4630649	110.69	130	87012624	CLF_87.SFC	19	12	4735
488	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	EXIST100	1ST	23.86979	289190	4632031.5	123.73	131	87033124	CLF_87.SFC	19	12	4735
489	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	EXIST100	2ND	20.74895	289199.59	4632029.5	122.09	131	87033024	CLF_87.SFC	19	12	4735
490	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	RIDGE100	1ST	15.92512	289571	4630615.5	114.46	130	87031024	CLF_87.SFC	19	12	4735
491	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	RIDGE100	2ND	13.83025	288973.5	4630577	134.23	149	87041624	CLF_87.SFC	19	12	4735
492	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	EXISTWC	1ST	23.82769	289190	4632031.5	123.73	131	87033124	CLF_87.SFC	19	12	4735
493	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	EXISTWC	2ND	20.71275	289199.59	4632029.5	122.09	131	87033024	CLF_87.SFC	19	12	4735
494	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	ULE50	1ST	4.77743	289031.91	4630586.5	130.21	149	87031024	CLF_87.SFC	19	12	4735
495	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	ULE50	2ND	4.57492	289041.69	4630588	129.69	149	87012624	CLF_87.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
496	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	RIDGEWC	1ST	23.80213	289566.09	4630649	110.69	130	87111124	CLF_87.SFC	19	12	4735
497	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	RIDGEWC	2ND	23.24239	289566.09	4630649	110.69	130	87031024	CLF_87.SFC	19	12	4735
498	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	NFLRS100	1ST	15.86097	289571	4630615.5	114.46	130	87031024	CLF_87.SFC	19	12	4735
499	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	NFLRS100	2ND	12.97155	289558.5	4630594	116.45	130	87111124	CLF_87.SFC	19	12	4735
500	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	NFLRSWC	1ST	23.76578	289566.09	4630649	110.69	130	87111124	CLF_87.SFC	19	12	4735
501	AERMOD	Ridgewood criteria_1987_SO2.USF	SO2	24-HR	NFLRSWC	2ND	23.19246	289566.09	4630649	110.69	130	87031024	CLF_87.SFC	19	12	4735
502	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	ANNUAL	TURBINES	1ST	0.69637	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	1	5	4735
503	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	ANNUAL	100PCT	1ST	0.69637	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	1	5	4735
504	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	ANNUAL	WCLOAD	1ST	0.69637	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	1	5	4735
505	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	ANNUAL	RIDGE100	1ST	0.69637	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	1	5	4735
506	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	ANNUAL	RIDGEWC	1ST	0.69637	290504.66	4630551.5	95.78	113	1 YRS	CLF_87.SFC	1	5	4735
507	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	TURBINES	1ST	10.09931	290379.19	4630621	94.93	94.93	87082304	CLF_87.SFC	1	5	4735
508	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	TURBINES	2ND	9.96377	290457.81	4630687	94.85	108	87082302	CLF_87.SFC	1	5	4735
509	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	100PCT	1ST	10.09931	290379.19	4630621	94.93	94.93	87082304	CLF_87.SFC	1	5	4735
510	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	100PCT	2ND	9.96377	290457.81	4630687	94.85	108	87082302	CLF_87.SFC	1	5	4735
511	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	WCLOAD	1ST	10.09931	290379.19	4630621	94.93	94.93	87082304	CLF_87.SFC	1	5	4735
512	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	WCLOAD	2ND	9.96377	290457.81	4630687	94.85	108	87082302	CLF_87.SFC	1	5	4735
513	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	RIDGE100	1ST	10.09931	290379.19	4630621	94.93	94.93	87082304	CLF_87.SFC	1	5	4735
514	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	RIDGE100	2ND	9.96377	290457.81	4630687	94.85	108	87082302	CLF_87.SFC	1	5	4735
515	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	RIDGEWC	1ST	10.09931	290379.19	4630621	94.93	94.93	87082304	CLF_87.SFC	1	5	4735
516	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	1-HR	RIDGEWC	2ND	9.96377	290457.81	4630687	94.85	108	87082302	CLF_87.SFC	1	5	4735
517	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	TURBINES	1ST	9.41964	290552.91	4630762	107	107	87080424	CLF_87.SFC	1	5	4735
518	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	TURBINES	2ND	8.74082	290481.12	4630633.5	96.5	108	87081821	CLF_87.SFC	1	5	4735
519	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	100PCT	1ST	9.41964	290552.91	4630762	107	107	87080424	CLF_87.SFC	1	5	4735
520	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	100PCT	2ND	8.74082	290481.12	4630633.5	96.5	108	87081821	CLF_87.SFC	1	5	4735
521	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	WCLOAD	1ST	9.41964	290552.91	4630762	107	107	87080424	CLF_87.SFC	1	5	4735
522	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	WCLOAD	2ND	8.74082	290481.12	4630633.5	96.5	108	87081821	CLF_87.SFC	1	5	4735
523	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	RIDGE100	1ST	9.41964	290552.91	4630762	107	107	87080424	CLF_87.SFC	1	5	4735
524	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	RIDGE100	2ND	8.74082	290481.12	4630633.5	96.5	108	87081821	CLF_87.SFC	1	5	4735
525	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	RIDGEWC	1ST	9.41964	290552.91	4630762	107	107	87080424	CLF_87.SFC	1	5	4735
526	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	3-HR	RIDGEWC	2ND	8.74082	290481.12	4630633.5	96.5	108	87081821	CLF_87.SFC	1	5	4735
527	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	TURBINES	1ST	7.65812	290522.75	4630649.5	100.46	108	87112208	CLF_87.SFC	1	5	4735
528	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	TURBINES	2ND	7.56098	290501.12	4630662	99.12	108	87112208	CLF_87.SFC	1	5	4735
529	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	100PCT	1ST	7.65812	290522.75	4630649.5	100.46	108	87112208	CLF_87.SFC	1	5	4735
530	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	100PCT	2ND	7.56098	290501.12	4630662	99.12	108	87112208	CLF_87.SFC	1	5	4735
531	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	WCLOAD	1ST	7.65812	290522.75	4630649.5	100.46	108	87112208	CLF_87.SFC	1	5	4735
532	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	WCLOAD	2ND	7.56098	290501.12	4630662	99.12	108	87112208	CLF_87.SFC	1	5	4735
533	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	RIDGE100	1ST	7.65812	290522.75	4630649.5	100.46	108	87112208	CLF_87.SFC	1	5	4735
534	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	RIDGE100	2ND	7.56098	290501.12	4630662	99.12	108	87112208	CLF_87.SFC	1	5	4735
535	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	RIDGEWC	1ST	7.65812	290522.75	4630649.5	100.46	108	87112208	CLF_87.SFC	1	5	4735
536	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	8-HR	RIDGEWC	2ND	7.56098	290501.12	4630662	99.12	108	87112208	CLF_87.SFC	1	5	4735
537	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	TURBINES	1ST	5.75485	290500.25	4630617.5	96.56	108	87112124	CLF_87.SFC	1	5	4735
538	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	TURBINES	2ND	4.87096	290202.91	4630545.5	91.76	100	87050424	CLF_87.SFC	1	5	4735
539	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	100PCT	1ST	5.75485	290500.25	4630617.5	96.56	108	87112124	CLF_87.SFC	1	5	4735
540	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	100PCT	2ND	4.87096	290202.91	4630545.5	91.76	100	87050424	CLF_87.SFC	1	5	4735
541	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	WCLOAD	1ST	5.75485	290500.25	4630617.5	96.56	108	87112124	CLF_87.SFC	1	5	4735
542	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	WCLOAD	2ND	4.87096	290202.91	4630545.5	91.76	100	87050424	CLF_87.SFC	1	5	4735
543	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	RIDGE100	1ST	5.75485	290500.25	4630617.5	96.56	108	87112124	CLF_87.SFC	1	5	4735
544	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	RIDGE100	2ND	4.87096	290202.91	4630545.5	91.76	100	87050424	CLF_87.SFC	1	5	4735
545	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	RIDGEWC	1ST	5.75485	290500.25	4630617.5	96.56	108	87112124	CLF_87.SFC	1	5	4735
546	AERMOD	Ridgewood criteria_1987_UNIT.USF	UNIT	24-HR	RIDGEWC	2ND	4.87096	290202.91	4630545.5	91.76	100	87050424	CLF_87.SFC	1	5	4735
547	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	TURBINES	1ST	290.0444	289556.59	4630647	110.67	130	88081803	CLF_88.SFC	19	12	4735
548	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	TURBINES	2ND	245.24026	289566.09	4630649	110.69	130	88060601	CLF_88.SFC	19	12	4735
549	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	100PCT	1ST	631.50421	288983.19	4630578.5	133.17	149	88010817	CLF_88.SFC	19	12	4735
550	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	100PCT	2ND	631.0127	288983.19	4630578.5	133.17	149	88012522	CLF_88.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
551	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	ULE100	1ST	22.87837	289090.41	4630596	131.7	138	88011408	CLF_88.SFC	19	12	4735
552	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	ULE100	2ND	21.46032	289090.41	4630596	131.7	138	88031018	CLF_88.SFC	19	12	4735
553	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	CAT	1ST	492.57596	289075	4630578.5	134.86	138	88122616	CLF_88.SFC	19	12	4735
554	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	CAT	2ND	490.52762	289075	4630578.5	134.86	138	88122619	CLF_88.SFC	19	12	4735
555	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	WCLOAD	1ST	550.6026	288954	4630574	136.28	149	88050719	CLF_88.SFC	19	12	4735
556	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	WCLOAD	2ND	545.17786	288954	4630574	136.28	149	88072103	CLF_88.SFC	19	12	4735
557	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	EXIST100	1ST	631.23553	288983.19	4630578.5	133.17	149	88010817	CLF_88.SFC	19	12	4735
558	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	EXIST100	2ND	630.74469	288983.19	4630578.5	133.17	149	88012522	CLF_88.SFC	19	12	4735
559	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	RIDGE100	1ST	627.85541	288963.69	4630575.5	135.17	149	88100717	CLF_88.SFC	19	12	4735
560	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	RIDGE100	2ND	625.91284	288963.69	4630575.5	135.17	149	88021209	CLF_88.SFC	19	12	4735
561	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	EXISTWC	1ST	547.41766	288954	4630574	136.28	149	88050719	CLF_88.SFC	19	12	4735
562	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	EXISTWC	2ND	542.9715	288954	4630574	136.28	149	88040523	CLF_88.SFC	19	12	4735
563	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	ULE50	1ST	17.1879	289080.59	4630594.5	133.21	138	88121118	CLF_88.SFC	19	12	4735
564	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	ULE50	2ND	17.14094	289080.59	4630594.5	133.21	138	88121119	CLF_88.SFC	19	12	4735
565	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	RIDGEWC	1ST	549.80884	288954	4630574	136.28	149	88050719	CLF_88.SFC	19	12	4735
566	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	RIDGEWC	2ND	544.12201	288954	4630574	136.28	149	88072103	CLF_88.SFC	19	12	4735
567	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	NFLRS100	1ST	289.73285	289556.59	4630647	110.67	130	88081803	CLF_88.SFC	19	12	4735
568	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	NFLRS100	2ND	244.88345	289566.09	4630649	110.69	130	88060601	CLF_88.SFC	19	12	4735
569	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	NFLRSWC	1ST	245.12204	289575.69	4630651	109.92	130	88010822	CLF_88.SFC	19	12	4735
570	AERMOD	Ridgewood criteria_1988_CO.USF	CO	1-HR	NFLRSWC	2ND	241.97868	289566.09	4630649	110.69	130	88010901	CLF_88.SFC	19	12	4735
571	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	TURBINES	1ST	170.81866	290481.12	4630633.5	96.5	108	88032108	CLF_88.SFC	19	12	4735
572	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	TURBINES	2ND	162.7289	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	19	12	4735
573	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	100PCT	1ST	547.5105	288973.5	4630577	134.23	149	88100424	CLF_88.SFC	19	12	4735
574	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	100PCT	2ND	518.40045	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
575	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	ULE100	1ST	10.74665	289061.19	4630591	130.82	138	88060608	CLF_88.SFC	19	12	4735
576	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	ULE100	2ND	9.59345	289061.19	4630591	130.82	138	88041016	CLF_88.SFC	19	12	4735
577	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	CAT	1ST	408.89023	289075	4630578.5	134.86	138	88011408	CLF_88.SFC	19	12	4735
578	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	CAT	2ND	346.4361	289075.66	4630551.5	137.51	137.51	88010908	CLF_88.SFC	19	12	4735
579	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	WCLOAD	1ST	454.13788	288963.69	4630575.5	135.17	149	88040608	CLF_88.SFC	19	12	4735
580	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	WCLOAD	2ND	438.48993	288963.69	4630575.5	135.17	149	88100408	CLF_88.SFC	19	12	4735
581	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	EXIST100	1ST	547.20062	288973.5	4630577	134.23	149	88100424	CLF_88.SFC	19	12	4735
582	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	EXIST100	2ND	518.11499	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
583	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	RIDGE100	1ST	541.43506	288973.5	4630577	134.23	149	88100424	CLF_88.SFC	19	12	4735
584	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	RIDGE100	2ND	511.84427	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
585	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	EXISTWC	1ST	452.57516	288963.69	4630575.5	135.17	149	88040608	CLF_88.SFC	19	12	4735
586	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	EXISTWC	2ND	438.1322	288963.69	4630575.5	135.17	149	88100408	CLF_88.SFC	19	12	4735
587	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	ULE50	1ST	11.99862	289070.91	4630592.5	132.2	138	88041008	CLF_88.SFC	19	12	4735
588	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	ULE50	2ND	11.91705	289070.91	4630592.5	132.2	138	88121124	CLF_88.SFC	19	12	4735
589	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	RIDGEWC	1ST	451.26486	288963.69	4630575.5	135.17	149	88040608	CLF_88.SFC	19	12	4735
590	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	RIDGEWC	2ND	434.7803	288963.69	4630575.5	135.17	149	88100408	CLF_88.SFC	19	12	4735
591	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	NFLRS100	1ST	128.30052	289575	4630622	113.73	130	88060608	CLF_88.SFC	19	12	4735
592	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	NFLRS100	2ND	100.03062	289575	4630622	113.73	130	88041016	CLF_88.SFC	19	12	4735
593	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	NFLRSWC	1ST	171.55112	289566.09	4630649	110.69	130	88041024	CLF_88.SFC	19	12	4735
594	AERMOD	Ridgewood criteria_1988_CO.USF	CO	8-HR	NFLRSWC	2ND	164.73576	289575.69	4630651	109.92	130	88041008	CLF_88.SFC	19	12	4735
595	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	TURBINES	1ST	3.93425	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	19	12	4735
596	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	100PCT	1ST	14.09332	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
597	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	ULE100	1ST	0.23107	289080.59	4630594.5	133.21	138	1 YRS	CLF_88.SFC	19	12	4735
598	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	CAT	1ST	6.02776	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	19	12	4735
599	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	WCLOAD	1ST	13.0309	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
600	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	EXIST100	1ST	13.89198	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
601	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	RIDGE100	1ST	13.59933	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
602	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	EXISTWC	1ST	12.84413	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
603	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	ULE50	1ST	0.28797	289080.59	4630594.5	133.21	138	1 YRS	CLF_88.SFC	19	12	4735
604	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	RIDGEWC	1ST	12.49822	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
605	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	NFLRS100	1ST	1.54215	289621	4630602	119.14	130	1 YRS	CLF_88.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
606	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	ANNUAL	NFLRSWC	1ST	4.02515	289604.41	4630657	108.45	130	1 YRS	CLF_88.SFC	19	12	4735
607	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	TURBINES	1ST	52.93771	289575	4630622	113.73	130	88060604	CLF_88.SFC	19	12	4735
608	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	TURBINES	2ND	44.09784	290552.91	4630762	107	107	88112904	CLF_88.SFC	19	12	4735
609	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	100PCT	1ST	155.72261	290344.41	4631266	110.01	110.01	88011312	CLF_88.SFC	19	12	4735
610	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	100PCT	2ND	135.43639	288983.19	4630578.5	133.17	149	88012524	CLF_88.SFC	19	12	4735
611	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	ULE100	1ST	6.30704	289070.91	4630592.5	132.2	138	88031020	CLF_88.SFC	19	12	4735
612	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	ULE100	2ND	5.6137	289080.59	4630594.5	133.21	138	88011408	CLF_88.SFC	19	12	4735
613	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	CAT	1ST	77.64568	289082.12	4630583.5	134.52	138	88042004	CLF_88.SFC	19	12	4735
614	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	CAT	2ND	76.16017	289082.12	4630583.5	134.52	138	88112120	CLF_88.SFC	19	12	4735
615	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	WCLOAD	1ST	154.6116	290344.41	4631266	110.01	110.01	88011312	CLF_88.SFC	19	12	4735
616	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	WCLOAD	2ND	127.45876	290337	4631272.5	110.82	110.82	88122012	CLF_88.SFC	19	12	4735
617	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	EXIST100	1ST	153.75696	290344.41	4631266	110.01	110.01	88011312	CLF_88.SFC	19	12	4735
618	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	EXIST100	2ND	135.36771	288983.19	4630578.5	133.17	149	88012524	CLF_88.SFC	19	12	4735
619	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	RIDGE100	1ST	134.86157	288983.19	4630578.5	133.17	149	88010820	CLF_88.SFC	19	12	4735
620	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	RIDGE100	2ND	132.22482	288983.19	4630578.5	133.17	149	88012524	CLF_88.SFC	19	12	4735
621	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	EXISTWC	1ST	153.61343	290344.41	4631266	110.01	110.01	88011312	CLF_88.SFC	19	12	4735
622	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	EXISTWC	2ND	126.66669	290337	4631272.5	110.82	110.82	88122012	CLF_88.SFC	19	12	4735
623	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	ULE50	1ST	6.38113	289031.91	4630586.5	130.21	149	88010824	CLF_88.SFC	19	12	4735
624	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	ULE50	2ND	5.63576	289090.41	4630596	131.7	138	88011408	CLF_88.SFC	19	12	4735
625	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	RIDGEWC	1ST	110.58135	288983.19	4630578.5	133.17	149	88010820	CLF_88.SFC	19	12	4735
626	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	RIDGEWC	2ND	108.67853	288983.19	4630578.5	133.17	149	88121404	CLF_88.SFC	19	12	4735
627	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	NFLRS100	1ST	52.84901	289575	4630622	113.73	130	88060604	CLF_88.SFC	19	12	4735
628	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	NFLRS100	2ND	41.49126	289586.81	4630608	117.1	130	88060604	CLF_88.SFC	19	12	4735
629	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	NFLRSWC	1ST	65.13338	289566.09	4630649	110.69	130	88010824	CLF_88.SFC	19	12	4735
630	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	4-HR	NFLRSWC	2ND	57.04992	289585.19	4630653	109.22	130	88011408	CLF_88.SFC	19	12	4735
631	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	TURBINES	1ST	39.0276	289575	4630622	113.73	130	88060608	CLF_88.SFC	19	12	4735
632	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	TURBINES	2ND	37.21859	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	19	12	4735
633	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	100PCT	1ST	129.03046	290344.41	4631266	110.01	110.01	88011316	CLF_88.SFC	19	12	4735
634	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	100PCT	2ND	122.77346	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
635	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	ULE100	1ST	4.47957	289061.19	4630591	130.82	138	88060608	CLF_88.SFC	19	12	4735
636	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	ULE100	2ND	3.99887	289061.19	4630591	130.82	138	88041016	CLF_88.SFC	19	12	4735
637	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	CAT	1ST	74.32185	289075	4630578.5	134.86	138	88011408	CLF_88.SFC	19	12	4735
638	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	CAT	2ND	62.96988	289075.66	4630551.5	137.51	137.51	88010908	CLF_88.SFC	19	12	4735
639	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	WCLOAD	1ST	128.33823	290344.41	4631266	110.01	110.01	88011316	CLF_88.SFC	19	12	4735
640	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	WCLOAD	2ND	105.61864	290344.41	4631266	110.01	110.01	88122816	CLF_88.SFC	19	12	4735
641	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	EXIST100	1ST	127.76645	290344.41	4631266	110.01	110.01	88011316	CLF_88.SFC	19	12	4735
642	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	EXIST100	2ND	122.6995	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
643	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	RIDGE100	1ST	124.03683	288973.5	4630577	134.23	149	88100424	CLF_88.SFC	19	12	4735
644	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	RIDGE100	2ND	120.34389	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
645	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	EXISTWC	1ST	127.64323	290344.41	4631266	110.01	110.01	88011316	CLF_88.SFC	19	12	4735
646	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	EXISTWC	2ND	105.11378	290344.41	4631266	110.01	110.01	88122816	CLF_88.SFC	19	12	4735
647	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	ULE50	1ST	5.00477	289070.91	4630592.5	132.2	138	88041008	CLF_88.SFC	19	12	4735
648	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	ULE50	2ND	4.97075	289070.91	4630592.5	132.2	138	88121124	CLF_88.SFC	19	12	4735
649	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	RIDGEWC	1ST	100.17097	288973.5	4630577	134.23	149	88100424	CLF_88.SFC	19	12	4735
650	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	RIDGEWC	2ND	97.05564	288973.5	4630577	134.23	149	88100808	CLF_88.SFC	19	12	4735
651	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	NFLRS100	1ST	38.95409	289575	4630622	113.73	130	88060608	CLF_88.SFC	19	12	4735
652	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	NFLRS100	2ND	30.36348	289575	4630622	113.73	130	88041016	CLF_88.SFC	19	12	4735
653	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	NFLRSWC	1ST	51.74637	289566.09	4630649	110.69	130	88041024	CLF_88.SFC	19	12	4735
654	AERMOD	Ridgewood criteria_1988_NOX.USF	NOX	8-HR	NFLRSWC	2ND	49.63107	289575.69	4630651	109.92	130	88041008	CLF_88.SFC	19	12	4735
655	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	TURBINES	1ST	2.47775	290254.03	4630775	94.35	101	1 YRS	CLF_88.SFC	21	12	4735
656	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	100PCT	1ST	2.74731	290254.03	4630775	94.35	101	1 YRS	CLF_88.SFC	21	12	4735
657	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	ULE100	1ST	0.46177	289080.59	4630594.5	133.21	138	1 YRS	CLF_88.SFC	21	12	4735
658	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	CAT	1ST	0.60375	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	21	12	4735
659	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	WCLOAD	1ST	2.71451	290254.03	4630775	94.35	101	1 YRS	CLF_88.SFC	21	12	4735
660	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	EXIST100	1ST	2.34241	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	21	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
661	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	RIDGE100	1ST	2.53401	290254.03	4630775	94.35	101	1 YRS	CLF_88.SFC	21	12	4735
662	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	EXISTWC	1ST	2.23806	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	21	12	4735
663	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	ULE50	1ST	0.57595	289080.59	4630594.5	133.21	138	1 YRS	CLF_88.SFC	21	12	4735
664	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	RIDGEWC	1ST	2.50109	290254.03	4630775	94.35	101	1 YRS	CLF_88.SFC	21	12	4735
665	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	NFLRS100	1ST	0.73369	289650	4630622	114.6	130	1 YRS	CLF_88.SFC	21	12	4735
666	AERMOD	Ridgewood criteria_1988_PM.USF	PM	ANNUAL	NFLRSWC	1ST	1.31499	289613.91	4630658.5	108.02	130	1 YRS	CLF_88.SFC	21	12	4735
667	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	TURBINES	1ST	10.97622	289586.81	4630608	117.1	130	88041024	CLF_88.SFC	21	12	4735
668	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	TURBINES	2ND	8.09279	289603.62	4630603.5	118.55	130	88121124	CLF_88.SFC	21	12	4735
669	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	100PCT	1ST	19.24177	288973.5	4630577	134.23	149	88051924	CLF_88.SFC	21	12	4735
670	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	100PCT	2ND	18.85244	288973.5	4630577	134.23	149	88040824	CLF_88.SFC	21	12	4735
671	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	ULE100	1ST	6.95841	289058.69	4630573	133.97	138	88041024	CLF_88.SFC	21	12	4735
672	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	ULE100	2ND	5.95314	289075	4630578.5	134.86	138	88121124	CLF_88.SFC	21	12	4735
673	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	CAT	1ST	5.01047	289058.69	4630573	133.97	138	88041024	CLF_88.SFC	21	12	4735
674	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	CAT	2ND	4.40154	289082.12	4630583.5	134.52	138	88032224	CLF_88.SFC	21	12	4735
675	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	WCLOAD	1ST	17.70798	288973.5	4630577	134.23	149	88051924	CLF_88.SFC	21	12	4735
676	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	WCLOAD	2ND	16.89623	288973.5	4630577	134.23	149	88040824	CLF_88.SFC	21	12	4735
677	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	EXIST100	1ST	19.22288	288973.5	4630577	134.23	149	88051924	CLF_88.SFC	21	12	4735
678	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	EXIST100	2ND	18.83191	288973.5	4630577	134.23	149	88040824	CLF_88.SFC	21	12	4735
679	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	RIDGE100	1ST	15.31628	288963.69	4630575.5	135.17	149	88100424	CLF_88.SFC	21	12	4735
680	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	RIDGE100	2ND	14.36211	288973.5	4630577	134.23	149	88051924	CLF_88.SFC	21	12	4735
681	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	EXISTWC	1ST	17.69555	288973.5	4630577	134.23	149	88051924	CLF_88.SFC	21	12	4735
682	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	EXISTWC	2ND	16.88322	288973.5	4630577	134.23	149	88040824	CLF_88.SFC	21	12	4735
683	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	ULE50	1ST	8.15588	289051.41	4630589.5	129.32	149	88041024	CLF_88.SFC	21	12	4735
684	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	ULE50	2ND	7.0783	289070.91	4630592.5	132.2	138	88041024	CLF_88.SFC	21	12	4735
685	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	RIDGEWC	1ST	15.76635	289575.69	4630651	109.92	130	88041024	CLF_88.SFC	21	12	4735
686	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	RIDGEWC	2ND	11.74496	289556.59	4630647	110.67	130	88040824	CLF_88.SFC	21	12	4735
687	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	NFLRS100	1ST	10.72104	289586.81	4630608	117.1	130	88041024	CLF_88.SFC	21	12	4735
688	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	NFLRS100	2ND	7.8126	289603.62	4630603.5	118.55	130	88041024	CLF_88.SFC	21	12	4735
689	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	NFLRSWC	1ST	15.59904	289575.69	4630651	109.92	130	88041024	CLF_88.SFC	21	12	4735
690	AERMOD	Ridgewood criteria_1988_PM.USF	PM	24-HR	NFLRSWC	2ND	11.28118	289556.59	4630647	110.67	130	88040824	CLF_88.SFC	21	12	4735
691	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	TURBINES	1ST	1.37168	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	19	12	4735
692	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	100PCT	1ST	4.30919	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	19	12	4735
693	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	ULE100	1ST	0.28365	289080.59	4630594.5	133.21	138	1 YRS	CLF_88.SFC	19	12	4735
694	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	CAT	1ST	1.26105	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	19	12	4735
695	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	WCLOAD	1ST	4.20311	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	19	12	4735
696	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	EXIST100	1ST	4.2253	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	19	12	4735
697	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	RIDGE100	1ST	2.36126	289075	4630578.5	134.86	138	1 YRS	CLF_88.SFC	19	12	4735
698	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	EXISTWC	1ST	4.12833	289082.12	4630583.5	134.52	138	1 YRS	CLF_88.SFC	19	12	4735
699	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	ULE50	1ST	0.3535	289080.59	4630594.5	133.21	138	1 YRS	CLF_88.SFC	19	12	4735
700	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	RIDGEWC	1ST	2.41816	289604.41	4630657	108.45	130	1 YRS	CLF_88.SFC	19	12	4735
701	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	NFLRS100	1ST	0.89123	289650	4630622	114.6	130	1 YRS	CLF_88.SFC	19	12	4735
702	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	ANNUAL	NFLRSWC	1ST	2.13012	289604.41	4630657	108.45	130	1 YRS	CLF_88.SFC	19	12	4735
703	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	TURBINES	1ST	46.95805	289556.59	4630647	110.67	130	88081803	CLF_88.SFC	19	12	4735
704	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	TURBINES	2ND	39.71793	289566.09	4630649	110.69	130	88060601	CLF_88.SFC	19	12	4735
705	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	100PCT	1ST	53.64764	289257.19	4632017	120.52	127	88022004	CLF_88.SFC	19	12	4735
706	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	100PCT	2ND	52.19669	289332.09	4632010	122.71	128	88090421	CLF_88.SFC	19	12	4735
707	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	ULE100	1ST	11.70664	289090.41	4630596	131.7	138	88011408	CLF_88.SFC	19	12	4735
708	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	ULE100	2ND	10.98103	289090.41	4630596	131.7	138	88031018	CLF_88.SFC	19	12	4735
709	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	CAT	1ST	18.73105	289075	4630578.5	134.86	138	88122616	CLF_88.SFC	19	12	4735
710	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	CAT	2ND	18.65316	289075	4630578.5	134.86	138	88122619	CLF_88.SFC	19	12	4735
711	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	WCLOAD	1ST	53.12532	289257.19	4632017	120.52	127	88022004	CLF_88.SFC	19	12	4735
712	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	WCLOAD	2ND	51.90346	289332.09	4632010	122.71	128	88090421	CLF_88.SFC	19	12	4735
713	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	EXIST100	1ST	53.28014	289257.19	4632017	120.52	127	88022004	CLF_88.SFC	19	12	4735
714	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	EXIST100	2ND	52.15337	289332.09	4632010	122.71	128	88090421	CLF_88.SFC	19	12	4735
715	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	RIDGE100	1ST	46.99148	289556.59	4630647	110.67	130	88081803	CLF_88.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
716	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	RIDGE100	2ND	39.75397	289566.09	4630649	110.69	130	88060601	CLF_88.SFC	19	12	4735
717	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	EXISTWC	1ST	53.02102	289257.19	4632017	120.52	127	88022004	CLF_88.SFC	19	12	4735
718	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	EXISTWC	2ND	51.88068	289332.09	4632010	122.71	128	88090421	CLF_88.SFC	19	12	4735
719	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	ULE50	1ST	8.80075	289080.59	4630594.5	133.21	138	88121118	CLF_88.SFC	19	12	4735
720	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	ULE50	2ND	8.77671	289080.59	4630594.5	133.21	138	88121119	CLF_88.SFC	19	12	4735
721	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	RIDGEWC	1ST	38.98002	289575.69	4630651	109.92	130	88010822	CLF_88.SFC	19	12	4735
722	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	RIDGEWC	2ND	38.32592	289566.09	4630649	110.69	130	88010901	CLF_88.SFC	19	12	4735
723	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	NFLRS100	1ST	46.93393	289556.59	4630647	110.67	130	88081803	CLF_88.SFC	19	12	4735
724	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	NFLRS100	2ND	39.6903	289566.09	4630649	110.69	130	88060601	CLF_88.SFC	19	12	4735
725	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	NFLRSWC	1ST	38.94793	289575.69	4630651	109.92	130	88010822	CLF_88.SFC	19	12	4735
726	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	1-HR	NFLRSWC	2ND	38.28841	289566.09	4630649	110.69	130	88010901	CLF_88.SFC	19	12	4735
727	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	TURBINES	1ST	29.85677	289564.66	4630627.5	112.66	130	88060603	CLF_88.SFC	19	12	4735
728	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	TURBINES	2ND	25.27791	289571	4630615.5	114.46	130	88010824	CLF_88.SFC	19	12	4735
729	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	100PCT	1ST	50.20014	289369.5	4632007.5	122.5	128	88022303	CLF_88.SFC	19	12	4735
730	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	100PCT	2ND	47.83055	289304.09	4632012	121.2	128	88032603	CLF_88.SFC	19	12	4735
731	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	ULE100	1ST	8.68567	289090.41	4630596	131.7	138	88011409	CLF_88.SFC	19	12	4735
732	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	ULE100	2ND	8.28446	289080.59	4630594.5	133.21	138	88042218	CLF_88.SFC	19	12	4735
733	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	CAT	1ST	17.79965	289075	4630578.5	134.86	138	88011409	CLF_88.SFC	19	12	4735
734	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	CAT	2ND	16.36244	289082.12	4630583.5	134.52	138	88042003	CLF_88.SFC	19	12	4735
735	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	WCLOAD	1ST	50.06766	289369.5	4632007.5	122.5	128	88022303	CLF_88.SFC	19	12	4735
736	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	WCLOAD	2ND	47.46921	289304.09	4632012	121.2	128	88032603	CLF_88.SFC	19	12	4735
737	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	EXIST100	1ST	50.18364	289369.5	4632007.5	122.5	128	88022303	CLF_88.SFC	19	12	4735
738	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	EXIST100	2ND	47.67677	289304.09	4632012	121.2	128	88032603	CLF_88.SFC	19	12	4735
739	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	RIDGE100	1ST	29.89683	289564.66	4630627.5	112.66	130	88060603	CLF_88.SFC	19	12	4735
740	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	RIDGE100	2ND	25.30709	289571	4630615.5	114.46	130	88010824	CLF_88.SFC	19	12	4735
741	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	EXISTWC	1ST	50.05615	289369.5	4632007.5	122.5	128	88022303	CLF_88.SFC	19	12	4735
742	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	EXISTWC	2ND	47.41125	289304.09	4632012	121.2	128	88032603	CLF_88.SFC	19	12	4735
743	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	ULE50	1ST	8.34774	289041.69	4630588	129.69	149	88010824	CLF_88.SFC	19	12	4735
744	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	ULE50	2ND	7.16997	289080.59	4630594.5	133.21	138	88041924	CLF_88.SFC	19	12	4735
745	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	RIDGEWC	1ST	35.81874	289575.69	4630651	109.92	130	88010824	CLF_88.SFC	19	12	4735
746	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	RIDGEWC	2ND	29.22195	289585.19	4630653	109.22	130	88121118	CLF_88.SFC	19	12	4735
747	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	NFLRS100	1ST	29.82766	289564.66	4630627.5	112.66	130	88060603	CLF_88.SFC	19	12	4735
748	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	NFLRS100	2ND	25.25277	289571	4630615.5	114.46	130	88010824	CLF_88.SFC	19	12	4735
749	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	NFLRSWC	1ST	35.78318	289575.69	4630651	109.92	130	88010824	CLF_88.SFC	19	12	4735
750	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	3-HR	NFLRSWC	2ND	29.17155	289585.19	4630653	109.22	130	88121118	CLF_88.SFC	19	12	4735
751	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	TURBINES	1ST	14.92701	289586.81	4630608	117.1	130	88041024	CLF_88.SFC	19	12	4735
752	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	TURBINES	2ND	10.99195	289599.28	4630579	122.76	130	88121124	CLF_88.SFC	19	12	4735
753	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	100PCT	1ST	21.73302	289506.91	4631974	121.75	121.75	88122824	CLF_88.SFC	19	12	4735
754	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	100PCT	2ND	21.34345	289515.59	4631970.5	121.99	121.99	88080524	CLF_88.SFC	19	12	4735
755	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	ULE100	1ST	4.27437	289058.69	4630573	133.97	138	88041024	CLF_88.SFC	19	12	4735
756	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	ULE100	2ND	3.65686	289075	4630578.5	134.86	138	88121124	CLF_88.SFC	19	12	4735
757	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	CAT	1ST	10.46542	289058.69	4630573	133.97	138	88041024	CLF_88.SFC	19	12	4735
758	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	CAT	2ND	9.19354	289082.12	4630583.5	134.52	138	88032224	CLF_88.SFC	19	12	4735
759	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	WCLOAD	1ST	28.37626	289575.69	4630651	109.92	130	88041024	CLF_88.SFC	19	12	4735
760	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	WCLOAD	2ND	22.14168	289575.69	4630651	109.92	130	88121124	CLF_88.SFC	19	12	4735
761	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	EXIST100	1ST	21.71765	289506.91	4631974	121.75	121.75	88122824	CLF_88.SFC	19	12	4735
762	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	EXIST100	2ND	21.32137	289515.59	4631970.5	121.99	121.99	88080524	CLF_88.SFC	19	12	4735
763	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	RIDGE100	1ST	15.03031	288973.5	4630577	134.23	149	88100424	CLF_88.SFC	19	12	4735
764	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	RIDGE100	2ND	14.59598	288963.69	4630575.5	135.17	149	88040624	CLF_88.SFC	19	12	4735
765	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	EXISTWC	1ST	21.70835	289506.91	4631974	121.75	121.75	88122824	CLF_88.SFC	19	12	4735
766	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	EXISTWC	2ND	21.31031	289515.59	4631970.5	121.99	121.99	88080524	CLF_88.SFC	19	12	4735
767	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	ULE50	1ST	5.00593	289051.41	4630589.5	129.32	149	88041024	CLF_88.SFC	19	12	4735
768	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	ULE50	2ND	4.34454	289070.91	4630592.5	132.2	138	88041024	CLF_88.SFC	19	12	4735
769	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	RIDGEWC	1ST	25.59619	289575.69	4630651	109.92	130	88041024	CLF_88.SFC	19	12	4735
770	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	RIDGEWC	2ND	17.82773	289575.69	4630651	109.92	130	88121124	CLF_88.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
771	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	NFLRS100	1ST	14.89996	289586.81	4630608	117.1	130	88041024	CLF_88.SFC	19	12	4735
772	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	NFLRS100	2ND	10.96938	289599.28	4630579	122.76	130	88121124	CLF_88.SFC	19	12	4735
773	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	NFLRSWC	1ST	25.55046	289575.69	4630651	109.92	130	88041024	CLF_88.SFC	19	12	4735
774	AERMOD	Ridgewood criteria_1988_SO2.USF	SO2	24-HR	NFLRSWC	2ND	17.68938	289575.69	4630651	109.92	130	88121124	CLF_88.SFC	19	12	4735
775	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	ANNUAL	TURBINES	1ST	0.75445	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	1	5	4735
776	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	ANNUAL	100PCT	1ST	0.75445	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	1	5	4735
777	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	ANNUAL	WCLOAD	1ST	0.75445	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	1	5	4735
778	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	ANNUAL	RIDGE100	1ST	0.75445	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	1	5	4735
779	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	ANNUAL	RIDGEWC	1ST	0.75445	290544.41	4630637	104.42	104.42	1 YRS	CLF_88.SFC	1	5	4735
780	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	TURBINES	1ST	10.09821	290379.19	4630621	94.93	94.93	88072101	CLF_88.SFC	1	5	4735
781	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	TURBINES	2ND	10.04774	290440.38	4630628	96.67	96.67	88081520	CLF_88.SFC	1	5	4735
782	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	100PCT	1ST	10.09821	290379.19	4630621	94.93	94.93	88072101	CLF_88.SFC	1	5	4735
783	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	100PCT	2ND	10.04774	290440.38	4630628	96.67	96.67	88081520	CLF_88.SFC	1	5	4735
784	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	WCLOAD	1ST	10.09821	290379.19	4630621	94.93	94.93	88072101	CLF_88.SFC	1	5	4735
785	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	WCLOAD	2ND	10.04774	290440.38	4630628	96.67	96.67	88081520	CLF_88.SFC	1	5	4735
786	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	RIDGE100	1ST	10.09821	290379.19	4630621	94.93	94.93	88072101	CLF_88.SFC	1	5	4735
787	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	RIDGE100	2ND	10.04774	290440.38	4630628	96.67	96.67	88081520	CLF_88.SFC	1	5	4735
788	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	RIDGEWC	1ST	10.09821	290379.19	4630621	94.93	94.93	88072101	CLF_88.SFC	1	5	4735
789	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	1-HR	RIDGEWC	2ND	10.04774	290440.38	4630628	96.67	96.67	88081520	CLF_88.SFC	1	5	4735
790	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	TURBINES	1ST	9.73411	290515.84	4630830.5	104.65	104.65	88081006	CLF_88.SFC	1	5	4735
791	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	TURBINES	2ND	9.34696	290515.84	4630830.5	104.65	104.65	88061521	CLF_88.SFC	1	5	4735
792	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	100PCT	1ST	9.73411	290515.84	4630830.5	104.65	104.65	88081006	CLF_88.SFC	1	5	4735
793	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	100PCT	2ND	9.34696	290515.84	4630830.5	104.65	104.65	88061521	CLF_88.SFC	1	5	4735
794	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	WCLOAD	1ST	9.73411	290515.84	4630830.5	104.65	104.65	88081006	CLF_88.SFC	1	5	4735
795	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	WCLOAD	2ND	9.34696	290515.84	4630830.5	104.65	104.65	88061521	CLF_88.SFC	1	5	4735
796	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	RIDGE100	1ST	9.73411	290515.84	4630830.5	104.65	104.65	88081006	CLF_88.SFC	1	5	4735
797	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	RIDGE100	2ND	9.34696	290515.84	4630830.5	104.65	104.65	88061521	CLF_88.SFC	1	5	4735
798	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	RIDGEWC	1ST	9.73411	290515.84	4630830.5	104.65	104.65	88081006	CLF_88.SFC	1	5	4735
799	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	3-HR	RIDGEWC	2ND	9.34696	290515.84	4630830.5	104.65	104.65	88061521	CLF_88.SFC	1	5	4735
800	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	TURBINES	1ST	7.75025	290481.12	4630633.5	96.5	108	88032108	CLF_88.SFC	1	5	4735
801	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	TURBINES	2ND	7.35413	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	1	5	4735
802	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	100PCT	1ST	7.75025	290481.12	4630633.5	96.5	108	88032108	CLF_88.SFC	1	5	4735
803	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	100PCT	2ND	7.35413	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	1	5	4735
804	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	WCLOAD	1ST	7.75025	290481.12	4630633.5	96.5	108	88032108	CLF_88.SFC	1	5	4735
805	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	WCLOAD	2ND	7.35413	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	1	5	4735
806	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	RIDGE100	1ST	7.75025	290481.12	4630633.5	96.5	108	88032108	CLF_88.SFC	1	5	4735
807	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	RIDGE100	2ND	7.35413	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	1	5	4735
808	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	RIDGEWC	1ST	7.75025	290481.12	4630633.5	96.5	108	88032108	CLF_88.SFC	1	5	4735
809	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	8-HR	RIDGEWC	2ND	7.35413	290481.12	4630633.5	96.5	108	88032024	CLF_88.SFC	1	5	4735
810	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	TURBINES	1ST	6.38228	290481.12	4630633.5	96.5	108	88032124	CLF_88.SFC	1	5	4735
811	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	TURBINES	2ND	5.41318	290512.59	4630857	99.59	107	88081024	CLF_88.SFC	1	5	4735
812	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	100PCT	1ST	6.38228	290481.12	4630633.5	96.5	108	88032124	CLF_88.SFC	1	5	4735
813	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	100PCT	2ND	5.41318	290512.59	4630857	99.59	107	88081024	CLF_88.SFC	1	5	4735
814	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	WCLOAD	1ST	6.38228	290481.12	4630633.5	96.5	108	88032124	CLF_88.SFC	1	5	4735
815	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	WCLOAD	2ND	5.41318	290512.59	4630857	99.59	107	88081024	CLF_88.SFC	1	5	4735
816	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	RIDGE100	1ST	6.38228	290481.12	4630633.5	96.5	108	88032124	CLF_88.SFC	1	5	4735
817	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	RIDGE100	2ND	5.41318	290512.59	4630857	99.59	107	88081024	CLF_88.SFC	1	5	4735
818	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	RIDGEWC	1ST	6.38228	290481.12	4630633.5	96.5	108	88032124	CLF_88.SFC	1	5	4735
819	AERMOD	Ridgewood criteria_1988_UNIT.USF	UNIT	24-HR	RIDGEWC	2ND	5.41318	290512.59	4630857	99.59	107	88081024	CLF_88.SFC	1	5	4735
820	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	TURBINES	1ST	352.80444	289604.41	4630657	108.45	130	89112118	CLF_89.SFC	19	12	4735
821	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	TURBINES	2ND	281.92416	289594.81	4630655	108.76	130	89112117	CLF_89.SFC	19	12	4735
822	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	100PCT	1ST	643.55359	288954	4630574	136.28	149	89020203	CLF_89.SFC	19	12	4735
823	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	100PCT	2ND	632.84161	288954	4630574	136.28	149	89110823	CLF_89.SFC	19	12	4735
824	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	ULE100	1ST	24.63933	289031.91	4630586.5	130.21	149	89010417	CLF_89.SFC	19	12	4735
825	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	ULE100	2ND	21.48246	289100.09	4630597.5	130.24	138	89112117	CLF_89.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
826	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	CAT	1ST	477.64862	289075	4630578.5	134.86	138	89010420	CLF_89.SFC	19	12	4735
827	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	CAT	2ND	477.51126	289075	4630578.5	134.86	138	89010422	CLF_89.SFC	19	12	4735
828	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	WCLOAD	1ST	554.4483	288954	4630574	136.28	149	89020203	CLF_89.SFC	19	12	4735
829	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	WCLOAD	2ND	550.9436	288954	4630574	136.28	149	89110823	CLF_89.SFC	19	12	4735
830	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	EXIST100	1ST	642.76703	288954	4630574	136.28	149	89020203	CLF_89.SFC	19	12	4735
831	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	EXIST100	2ND	631.57465	288954	4630574	136.28	149	89110823	CLF_89.SFC	19	12	4735
832	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	RIDGE100	1ST	642.87427	288954	4630574	136.28	149	89020203	CLF_89.SFC	19	12	4735
833	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	RIDGE100	2ND	632.04578	288954	4630574	136.28	149	89110823	CLF_89.SFC	19	12	4735
834	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	EXISTWC	1ST	553.56946	288954	4630574	136.28	149	89020203	CLF_89.SFC	19	12	4735
835	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	EXISTWC	2ND	549.60864	288954	4630574	136.28	149	89110823	CLF_89.SFC	19	12	4735
836	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	ULE50	1ST	17.3769	289080.59	4630594.5	133.21	138	89120116	CLF_89.SFC	19	12	4735
837	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	ULE50	2ND	16.61081	289070.91	4630592.5	132.2	138	89010409	CLF_89.SFC	19	12	4735
838	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	RIDGEWC	1ST	553.34192	288954	4630574	136.28	149	89020203	CLF_89.SFC	19	12	4735
839	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	RIDGEWC	2ND	549.72668	288954	4630574	136.28	149	89110823	CLF_89.SFC	19	12	4735
840	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	NFLRS100	1ST	352.55316	289604.41	4630657	108.45	130	89112118	CLF_89.SFC	19	12	4735
841	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	NFLRS100	2ND	281.63638	289594.81	4630655	108.76	130	89112117	CLF_89.SFC	19	12	4735
842	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	NFLRSWC	1ST	245.94119	289566.09	4630649	110.69	130	89022505	CLF_89.SFC	19	12	4735
843	AERMOD	Ridgewood criteria_1989_CO.USF	CO	1-HR	NFLRSWC	2ND	243.56003	289566.09	4630649	110.69	130	89022504	CLF_89.SFC	19	12	4735
844	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	TURBINES	1ST	181.02245	290522.31	4630859	99.6	109	89111408	CLF_89.SFC	19	12	4735
845	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	TURBINES	2ND	175.89781	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	19	12	4735
846	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	100PCT	1ST	558.57495	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
847	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	100PCT	2ND	534.27435	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
848	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	ULE100	1ST	13.1473	289090.41	4630596	131.7	138	89012116	CLF_89.SFC	19	12	4735
849	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	ULE100	2ND	12.56417	289080.59	4630594.5	133.21	138	89012116	CLF_89.SFC	19	12	4735
850	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	CAT	1ST	357.9447	289050	4630547	136.43	136.43	89010408	CLF_89.SFC	19	12	4735
851	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	CAT	2ND	352.64908	289036.97	4630548	135.7	135.7	89010408	CLF_89.SFC	19	12	4735
852	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	WCLOAD	1ST	472.0242	288954	4630574	136.28	149	89030408	CLF_89.SFC	19	12	4735
853	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	WCLOAD	2ND	470.39526	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
854	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	EXIST100	1ST	558.10852	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
855	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	EXIST100	2ND	532.87543	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
856	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	RIDGE100	1ST	554.17163	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
857	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	RIDGE100	2ND	531.89465	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
858	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	EXISTWC	1ST	470.58984	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
859	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	EXISTWC	2ND	469.44501	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
860	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	ULE50	1ST	11.86712	289093.31	4630597	131.16	138	89012116	CLF_89.SFC	19	12	4735
861	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	ULE50	2ND	10.99606	289031.91	4630586.5	130.21	149	89010408	CLF_89.SFC	19	12	4735
862	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	RIDGEWC	1ST	471.06552	288954	4630574	136.28	149	89030408	CLF_89.SFC	19	12	4735
863	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	RIDGEWC	2ND	464.29181	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
864	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	NFLRS100	1ST	180.35677	289642.59	4630664.5	106.7	130	89112108	CLF_89.SFC	19	12	4735
865	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	NFLRS100	2ND	120.60254	289603.91	4630655	108.6	130	89112124	CLF_89.SFC	19	12	4735
866	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	NFLRSWC	1ST	184.20047	289566.09	4630649	110.69	130	89022424	CLF_89.SFC	19	12	4735
867	AERMOD	Ridgewood criteria_1989_CO.USF	CO	8-HR	NFLRSWC	2ND	175.87975	289566.09	4630649	110.69	130	89022508	CLF_89.SFC	19	12	4735
868	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	TURBINES	1ST	3.74532	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	19	12	4735
869	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	100PCT	1ST	12.60683	289075	4630578.5	134.86	138	1 YRS	CLF_89.SFC	19	12	4735
870	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	ULE100	1ST	0.18705	289080.59	4630594.5	133.21	138	1 YRS	CLF_89.SFC	19	12	4735
871	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	CAT	1ST	5.24548	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
872	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	WCLOAD	1ST	11.63468	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
873	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	EXIST100	1ST	12.32363	289075	4630578.5	134.86	138	1 YRS	CLF_89.SFC	19	12	4735
874	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	RIDGE100	1ST	12.12505	289075	4630578.5	134.86	138	1 YRS	CLF_89.SFC	19	12	4735
875	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	EXISTWC	1ST	11.36727	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
876	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	ULE50	1ST	0.23409	289080.59	4630594.5	133.21	138	1 YRS	CLF_89.SFC	19	12	4735
877	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	RIDGEWC	1ST	11.10914	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
878	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	NFLRS100	1ST	1.34297	289650	4630622	114.6	130	1 YRS	CLF_89.SFC	19	12	4735
879	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	ANNUAL	NFLRSWC	1ST	3.54931	289604.41	4630657	108.45	130	1 YRS	CLF_89.SFC	19	12	4735
880	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	TURBINES	1ST	60.92549	289603.91	4630655	108.6	130	89112120	CLF_89.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
881	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	TURBINES	2ND	54.71026	289642.59	4630664.5	106.7	130	89112104	CLF_89.SFC	19	12	4735
882	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	100PCT	1ST	137.73198	290344.41	4631266	110.01	110.01	89122612	CLF_89.SFC	19	12	4735
883	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	100PCT	2ND	131.10286	288993	4630580	132.22	149	89010404	CLF_89.SFC	19	12	4735
884	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	ULE100	1ST	6.60804	289070.91	4630592.5	132.2	138	89010412	CLF_89.SFC	19	12	4735
885	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	ULE100	2ND	5.69558	289080.59	4630594.5	133.21	138	89010412	CLF_89.SFC	19	12	4735
886	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	CAT	1ST	78.16753	289063.03	4630548	136.92	136.92	89022704	CLF_89.SFC	19	12	4735
887	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	CAT	2ND	75.49933	289075	4630578.5	134.86	138	89092704	CLF_89.SFC	19	12	4735
888	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	WCLOAD	1ST	136.60182	290344.41	4631266	110.01	110.01	89122612	CLF_89.SFC	19	12	4735
889	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	WCLOAD	2ND	126.27143	290344.41	4631266	110.01	110.01	89012212	CLF_89.SFC	19	12	4735
890	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	EXIST100	1ST	135.99803	290344.41	4631266	110.01	110.01	89122612	CLF_89.SFC	19	12	4735
891	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	EXIST100	2ND	131.03258	288993	4630580	132.22	149	89010404	CLF_89.SFC	19	12	4735
892	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	RIDGE100	1ST	133.33142	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
893	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	RIDGE100	2ND	129.1889	288963.69	4630575.5	135.17	149	89022324	CLF_89.SFC	19	12	4735
894	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	EXISTWC	1ST	135.86771	290344.41	4631266	110.01	110.01	89122612	CLF_89.SFC	19	12	4735
895	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	EXISTWC	2ND	125.64709	290344.41	4631266	110.01	110.01	89012212	CLF_89.SFC	19	12	4735
896	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	ULE50	1ST	5.86967	289080.59	4630594.5	133.21	138	89120116	CLF_89.SFC	19	12	4735
897	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	ULE50	2ND	5.51015	289022.19	4630585	130.64	149	89022424	CLF_89.SFC	19	12	4735
898	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	RIDGEWC	1ST	109.38113	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
899	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	RIDGEWC	2ND	106.98082	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
900	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	NFLRS100	1ST	60.84791	289603.91	4630655	108.6	130	89112120	CLF_89.SFC	19	12	4735
901	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	NFLRS100	2ND	54.61822	289642.59	4630664.5	106.7	130	89112104	CLF_89.SFC	19	12	4735
902	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	NFLRSWC	1ST	67.10797	289566.09	4630649	110.69	130	89022504	CLF_89.SFC	19	12	4735
903	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	4-HR	NFLRSWC	2ND	61.87161	289566.09	4630649	110.69	130	89022424	CLF_89.SFC	19	12	4735
904	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	TURBINES	1ST	54.8494	289642.59	4630664.5	106.7	130	89112108	CLF_89.SFC	19	12	4735
905	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	TURBINES	2ND	40.40874	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	19	12	4735
906	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	100PCT	1ST	129.379	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
907	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	100PCT	2ND	122.00702	288983.19	4630578.5	133.17	149	89101724	CLF_89.SFC	19	12	4735
908	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	ULE100	1ST	5.48024	289090.41	4630596	131.7	138	89012116	CLF_89.SFC	19	12	4735
909	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	ULE100	2ND	5.23717	289080.59	4630594.5	133.21	138	89012116	CLF_89.SFC	19	12	4735
910	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	CAT	1ST	65.06175	289050	4630547	136.43	136.43	89010408	CLF_89.SFC	19	12	4735
911	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	CAT	2ND	64.09918	289036.97	4630548	135.7	135.7	89010408	CLF_89.SFC	19	12	4735
912	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	WCLOAD	1ST	117.5419	290344.41	4631266	110.01	110.01	89012216	CLF_89.SFC	19	12	4735
913	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	WCLOAD	2ND	105.08604	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
914	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	EXIST100	1ST	129.25478	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
915	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	EXIST100	2ND	121.92426	288983.19	4630578.5	133.17	149	89101724	CLF_89.SFC	19	12	4735
916	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	RIDGE100	1ST	127.66851	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
917	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	RIDGE100	2ND	119.36343	288983.19	4630578.5	133.17	149	89101724	CLF_89.SFC	19	12	4735
918	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	EXISTWC	1ST	116.97745	290344.41	4631266	110.01	110.01	89012216	CLF_89.SFC	19	12	4735
919	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	EXISTWC	2ND	104.84577	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
920	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	ULE50	1ST	4.94992	289093.31	4630597	131.16	138	89012116	CLF_89.SFC	19	12	4735
921	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	ULE50	2ND	4.58659	289031.91	4630586.5	130.21	149	89010408	CLF_89.SFC	19	12	4735
922	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	RIDGEWC	1ST	106.0517	288973.5	4630577	134.23	149	89022324	CLF_89.SFC	19	12	4735
923	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	RIDGEWC	2ND	103.62222	288973.5	4630577	134.23	149	89101924	CLF_89.SFC	19	12	4735
924	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	NFLRS100	1ST	54.75785	289642.59	4630664.5	106.7	130	89112108	CLF_89.SFC	19	12	4735
925	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	NFLRS100	2ND	36.40619	289603.91	4630655	108.6	130	89112124	CLF_89.SFC	19	12	4735
926	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	NFLRSWC	1ST	55.64388	289566.09	4630649	110.69	130	89022424	CLF_89.SFC	19	12	4735
927	AERMOD	Ridgewood criteria_1989_NOX.USF	NOX	8-HR	NFLRSWC	2ND	53.01554	289566.09	4630649	110.69	130	89022508	CLF_89.SFC	19	12	4735
928	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	TURBINES	1ST	2.26511	290254.03	4630775	94.35	101	1 YRS	CLF_89.SFC	21	12	4735
929	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	100PCT	1ST	2.53454	290254.03	4630775	94.35	101	1 YRS	CLF_89.SFC	21	12	4735
930	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	ULE100	1ST	0.37381	289080.59	4630594.5	133.21	138	1 YRS	CLF_89.SFC	21	12	4735
931	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	CAT	1ST	0.52539	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	21	12	4735
932	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	WCLOAD	1ST	2.50501	290254.03	4630775	94.35	101	1 YRS	CLF_89.SFC	21	12	4735
933	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	EXIST100	1ST	2.08303	289075	4630578.5	134.86	138	1 YRS	CLF_89.SFC	21	12	4735
934	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	RIDGE100	1ST	2.31796	290254.03	4630775	94.35	101	1 YRS	CLF_89.SFC	21	12	4735
935	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	EXISTWC	1ST	2.05955	288983.19	4630578.5	133.17	149	1 YRS	CLF_89.SFC	21	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
936	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	ULE50	1ST	0.46817	289080.59	4630594.5	133.21	138	1 YRS	CLF_89.SFC	21	12	4735
937	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	RIDGEWC	1ST	2.28941	290254.03	4630775	94.35	101	1 YRS	CLF_89.SFC	21	12	4735
938	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	NFLRS100	1ST	0.66498	289646.66	4630631.5	112.7	130	1 YRS	CLF_89.SFC	21	12	4735
939	AERMOD	Ridgewood criteria_1989_PM.USF	PM	ANNUAL	NFLRSWC	1ST	1.19322	289613.91	4630658.5	108.02	130	1 YRS	CLF_89.SFC	21	12	4735
940	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	TURBINES	1ST	13.51422	289638.09	4630655	108.23	130	89112124	CLF_89.SFC	21	12	4735
941	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	TURBINES	2ND	7.62926	289638.09	4630655	108.23	130	89040124	CLF_89.SFC	21	12	4735
942	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	100PCT	1ST	20.28197	288983.19	4630578.5	133.17	149	89101824	CLF_89.SFC	21	12	4735
943	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	100PCT	2ND	18.22669	288983.19	4630578.5	133.17	149	89022424	CLF_89.SFC	21	12	4735
944	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	ULE100	1ST	6.68275	288954	4630574	136.28	149	89022424	CLF_89.SFC	21	12	4735
945	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	ULE100	2ND	4.63977	289012.41	4630583.5	131.23	149	89112324	CLF_89.SFC	21	12	4735
946	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	CAT	1ST	5.05488	289036.97	4630548	135.7	135.7	89101824	CLF_89.SFC	21	12	4735
947	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	CAT	2ND	4.36646	289036.97	4630548	135.7	135.7	89030624	CLF_89.SFC	21	12	4735
948	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	WCLOAD	1ST	18.80005	288983.19	4630578.5	133.17	149	89101824	CLF_89.SFC	21	12	4735
949	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	WCLOAD	2ND	16.45262	288983.19	4630578.5	133.17	149	89030824	CLF_89.SFC	21	12	4735
950	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	EXIST100	1ST	20.26312	288983.19	4630578.5	133.17	149	89101824	CLF_89.SFC	21	12	4735
951	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	EXIST100	2ND	18.20281	288983.19	4630578.5	133.17	149	89022424	CLF_89.SFC	21	12	4735
952	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	RIDGE100	1ST	15.93485	288983.19	4630578.5	133.17	149	89101824	CLF_89.SFC	21	12	4735
953	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	RIDGE100	2ND	13.82893	288983.19	4630578.5	133.17	149	89030824	CLF_89.SFC	21	12	4735
954	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	EXISTWC	1ST	18.78725	288983.19	4630578.5	133.17	149	89101824	CLF_89.SFC	21	12	4735
955	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	EXISTWC	2ND	16.41964	288983.19	4630578.5	133.17	149	89030824	CLF_89.SFC	21	12	4735
956	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	ULE50	1ST	7.17415	289012.41	4630583.5	131.23	149	89101824	CLF_89.SFC	21	12	4735
957	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	ULE50	2ND	5.03128	289022.19	4630585	130.64	149	89112324	CLF_89.SFC	21	12	4735
958	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	RIDGEWC	1ST	14.01375	289566.09	4630649	110.69	130	89101824	CLF_89.SFC	21	12	4735
959	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	RIDGEWC	2ND	12.41853	289556.59	4630647	110.67	130	89022424	CLF_89.SFC	21	12	4735
960	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	NFLRS100	1ST	13.10938	289629.69	4630653	108.6	130	89112124	CLF_89.SFC	21	12	4735
961	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	NFLRS100	2ND	7.34813	289638.09	4630655	108.23	130	89040124	CLF_89.SFC	21	12	4735
962	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	NFLRSWC	1ST	13.74081	289566.09	4630649	110.69	130	89101824	CLF_89.SFC	21	12	4735
963	AERMOD	Ridgewood criteria_1989_PM.USF	PM	24-HR	NFLRSWC	2ND	12.00388	289556.59	4630647	110.67	130	89022424	CLF_89.SFC	21	12	4735
964	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	TURBINES	1ST	1.30358	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	19	12	4735
965	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	100PCT	1ST	4.01262	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
966	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	ULE100	1ST	0.22962	289080.59	4630594.5	133.21	138	1 YRS	CLF_89.SFC	19	12	4735
967	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	CAT	1ST	1.0974	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
968	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	WCLOAD	1ST	3.90883	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
969	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	EXIST100	1ST	3.89599	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
970	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	RIDGE100	1ST	2.13433	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
971	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	EXISTWC	1ST	3.80289	289082.12	4630583.5	134.52	138	1 YRS	CLF_89.SFC	19	12	4735
972	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	ULE50	1ST	0.28735	289080.59	4630594.5	133.21	138	1 YRS	CLF_89.SFC	19	12	4735
973	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	RIDGEWC	1ST	2.18244	289604.41	4630657	108.45	130	1 YRS	CLF_89.SFC	19	12	4735
974	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	NFLRS100	1ST	0.80046	289650	4630622	114.6	130	1 YRS	CLF_89.SFC	19	12	4735
975	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	ANNUAL	NFLRSWC	1ST	1.87713	289604.41	4630657	108.45	130	1 YRS	CLF_89.SFC	19	12	4735
976	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	TURBINES	1ST	55.05943	289604.41	4630657	108.45	130	89112118	CLF_89.SFC	19	12	4735
977	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	TURBINES	2ND	44.00343	289594.81	4630655	108.76	130	89112118	CLF_89.SFC	19	12	4735
978	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	100PCT	1ST	56.29944	289604.41	4630657	108.45	130	89112118	CLF_89.SFC	19	12	4735
979	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	100PCT	2ND	52.02863	289266.81	4632015	120.28	128	89092219	CLF_89.SFC	19	12	4735
980	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	ULE100	1ST	12.6077	289031.91	4630586.5	130.21	149	89010417	CLF_89.SFC	19	12	4735
981	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	ULE100	2ND	10.99236	289100.09	4630597.5	130.24	138	89112117	CLF_89.SFC	19	12	4735
982	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	CAT	1ST	18.16341	289075	4630578.5	134.86	138	89010420	CLF_89.SFC	19	12	4735
983	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	CAT	2ND	18.15819	289075	4630578.5	134.86	138	89010422	CLF_89.SFC	19	12	4735
984	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	WCLOAD	1ST	53.40961	289313.5	4632011.5	122.2	128	89021408	CLF_89.SFC	19	12	4735
985	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	WCLOAD	2ND	51.57355	289294.81	4632013	120.2	128	89021408	CLF_89.SFC	19	12	4735
986	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	EXIST100	1ST	53.73342	289313.5	4632011.5	122.2	128	89021408	CLF_89.SFC	19	12	4735
987	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	EXIST100	2ND	51.89316	289294.81	4632013	120.2	128	89021408	CLF_89.SFC	19	12	4735
988	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	RIDGE100	1ST	55.08664	289604.41	4630657	108.45	130	89112118	CLF_89.SFC	19	12	4735
989	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	RIDGE100	2ND	44.03193	289594.81	4630655	108.76	130	89112118	CLF_89.SFC	19	12	4735
990	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	EXISTWC	1ST	53.38276	289313.5	4632011.5	122.2	128	89021408	CLF_89.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
991	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	EXISTWC	2ND	51.54826	289294.81	4632013	120.2	128	89021408	CLF_89.SFC	19	12	4735
992	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	ULE50	1ST	8.89753	289080.59	4630594.5	133.21	138	89120116	CLF_89.SFC	19	12	4735
993	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	ULE50	2ND	8.50527	289070.91	4630592.5	132.2	138	89010409	CLF_89.SFC	19	12	4735
994	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	RIDGEWC	1ST	39.00642	289566.09	4630649	110.69	130	89022505	CLF_89.SFC	19	12	4735
995	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	RIDGEWC	2ND	38.70309	289566.09	4630649	110.69	130	89022504	CLF_89.SFC	19	12	4735
996	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	NFLRS100	1ST	55.03997	289604.41	4630657	108.45	130	89112118	CLF_89.SFC	19	12	4735
997	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	NFLRS100	2ND	43.98454	289594.81	4630655	108.76	130	89112118	CLF_89.SFC	19	12	4735
998	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	NFLRSWC	1ST	38.97735	289566.09	4630649	110.69	130	89022505	CLF_89.SFC	19	12	4735
999	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	1-HR	NFLRSWC	2ND	38.6655	289566.09	4630649	110.69	130	89022504	CLF_89.SFC	19	12	4735
1000	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	TURBINES	1ST	33.89784	289603.91	4630655	108.6	130	89112118	CLF_89.SFC	19	12	4735
1001	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	TURBINES	2ND	29.1343	289638.09	4630655	108.23	130	89112103	CLF_89.SFC	19	12	4735
1002	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	100PCT	1ST	48.73792	289247.59	4632019	120.67	127	89021324	CLF_89.SFC	19	12	4735
1003	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	100PCT	2ND	46.7395	289257.19	4632017	120.52	127	89092221	CLF_89.SFC	19	12	4735
1004	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	ULE100	1ST	8.45715	289041.69	4630588	129.69	149	89040806	CLF_89.SFC	19	12	4735
1005	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	ULE100	2ND	7.33886	289061.19	4630591	130.82	138	89040806	CLF_89.SFC	19	12	4735
1006	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	CAT	1ST	17.30457	289075	4630578.5	134.86	138	89010421	CLF_89.SFC	19	12	4735
1007	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	CAT	2ND	16.67593	289075	4630578.5	134.86	138	89072824	CLF_89.SFC	19	12	4735
1008	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	WCLOAD	1ST	48.12779	289247.59	4632019	120.67	127	89021324	CLF_89.SFC	19	12	4735
1009	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	WCLOAD	2ND	46.20402	289257.19	4632017	120.52	127	89092221	CLF_89.SFC	19	12	4735
1010	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	EXIST100	1ST	48.22966	289322.81	4632011	122.86	128	89111606	CLF_89.SFC	19	12	4735
1011	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	EXIST100	2ND	46.29079	289257.19	4632017	120.52	127	89092221	CLF_89.SFC	19	12	4735
1012	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	RIDGE100	1ST	33.95292	289603.91	4630655	108.6	130	89112118	CLF_89.SFC	19	12	4735
1013	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	RIDGE100	2ND	29.33824	289638.09	4630655	108.23	130	89112109	CLF_89.SFC	19	12	4735
1014	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	EXISTWC	1ST	47.95467	289322.81	4632011	122.86	128	89111606	CLF_89.SFC	19	12	4735
1015	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	EXISTWC	2ND	46.07356	289257.19	4632017	120.52	127	89092221	CLF_89.SFC	19	12	4735
1016	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	ULE50	1ST	7.53251	289070.91	4630592.5	132.2	138	89022509	CLF_89.SFC	19	12	4735
1017	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	ULE50	2ND	6.89553	289022.19	4630585	130.64	149	89112309	CLF_89.SFC	19	12	4735
1018	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	RIDGEWC	1ST	34.20681	289566.09	4630649	110.69	130	89022503	CLF_89.SFC	19	12	4735
1019	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	RIDGEWC	2ND	33.78115	289566.09	4630649	110.69	130	89022506	CLF_89.SFC	19	12	4735
1020	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	NFLRS100	1ST	33.87445	289603.91	4630655	108.6	130	89112118	CLF_89.SFC	19	12	4735
1021	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	NFLRS100	2ND	29.10414	289638.09	4630655	108.23	130	89112103	CLF_89.SFC	19	12	4735
1022	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	NFLRSWC	1ST	34.16809	289566.09	4630649	110.69	130	89022503	CLF_89.SFC	19	12	4735
1023	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	3-HR	NFLRSWC	2ND	33.74226	289566.09	4630649	110.69	130	89022506	CLF_89.SFC	19	12	4735
1024	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	TURBINES	1ST	19.35621	289629.69	4630653	108.6	130	89112124	CLF_89.SFC	19	12	4735
1025	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	TURBINES	2ND	9.32408	289607.97	4630628	113.37	130	89010424	CLF_89.SFC	19	12	4735
1026	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	100PCT	1ST	22.68603	289276.19	4632014	120.02	128	89111624	CLF_89.SFC	19	12	4735
1027	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	100PCT	2ND	21.54168	289266.81	4632015	120.28	128	89092224	CLF_89.SFC	19	12	4735
1028	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	ULE100	1ST	4.10504	288954	4630574	136.28	149	89022424	CLF_89.SFC	19	12	4735
1029	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	ULE100	2ND	2.85009	289012.41	4630583.5	131.23	149	89112324	CLF_89.SFC	19	12	4735
1030	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	CAT	1ST	10.55817	289036.97	4630548	135.7	135.7	89101824	CLF_89.SFC	19	12	4735
1031	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	CAT	2ND	9.12027	289036.97	4630548	135.7	135.7	89030624	CLF_89.SFC	19	12	4735
1032	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	WCLOAD	1ST	23.15933	289566.09	4630649	110.69	130	89101824	CLF_89.SFC	19	12	4735
1033	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	WCLOAD	2ND	21.36426	289266.81	4632015	120.28	128	89092224	CLF_89.SFC	19	12	4735
1034	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	EXIST100	1ST	22.5491	289276.19	4632014	120.02	128	89111624	CLF_89.SFC	19	12	4735
1035	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	EXIST100	2ND	21.37296	289266.81	4632015	120.28	128	89092224	CLF_89.SFC	19	12	4735
1036	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	RIDGE100	1ST	19.47694	289629.69	4630653	108.6	130	89112124	CLF_89.SFC	19	12	4735
1037	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	RIDGE100	2ND	14.1838	288954	4630574	136.28	149	89060924	CLF_89.SFC	19	12	4735
1038	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	EXISTWC	1ST	22.44954	289276.19	4632014	120.02	128	89111624	CLF_89.SFC	19	12	4735
1039	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	EXISTWC	2ND	21.28646	289266.81	4632015	120.28	128	89092224	CLF_89.SFC	19	12	4735
1040	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	ULE50	1ST	4.40336	289012.41	4630583.5	131.23	149	89101824	CLF_89.SFC	19	12	4735
1041	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	ULE50	2ND	3.08811	289022.19	4630585	130.64	149	89112324	CLF_89.SFC	19	12	4735
1042	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	RIDGEWC	1ST	22.0601	289566.09	4630649	110.69	130	89101824	CLF_89.SFC	19	12	4735
1043	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	RIDGEWC	2ND	19.05094	289556.59	4630647	110.67	130	89022424	CLF_89.SFC	19	12	4735
1044	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	NFLRS100	1ST	19.33051	289629.69	4630653	108.6	130	89112124	CLF_89.SFC	19	12	4735
1045	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	NFLRS100	2ND	9.29678	289607.97	4630628	113.37	130	89010424	CLF_89.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1046	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	NFLRSWC	1ST	22.00272	289566.09	4630649	110.69	130	89101824	CLF_89.SFC	19	12	4735
1047	AERMOD	Ridgewood criteria_1989_SO2.USF	SO2	24-HR	NFLRSWC	2ND	19.00925	289556.59	4630647	110.67	130	89022424	CLF_89.SFC	19	12	4735
1048	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	ANNUAL	TURBINES	1ST	0.72002	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	1	5	4735
1049	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	ANNUAL	100PCT	1ST	0.72002	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	1	5	4735
1050	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	ANNUAL	WCLOAD	1ST	0.72002	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	1	5	4735
1051	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	ANNUAL	RIDGE100	1ST	0.72002	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	1	5	4735
1052	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	ANNUAL	RIDGEWC	1ST	0.72002	290544.41	4630637	104.42	104.42	1 YRS	CLF_89.SFC	1	5	4735
1053	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	TURBINES	1ST	10.15383	290415.41	4630610.5	95.38	95.38	89072823	CLF_89.SFC	1	5	4735
1054	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	TURBINES	2ND	10.1123	290415.41	4630610.5	95.38	95.38	89072822	CLF_89.SFC	1	5	4735
1055	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	100PCT	1ST	10.15383	290415.41	4630610.5	95.38	95.38	89072823	CLF_89.SFC	1	5	4735
1056	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	100PCT	2ND	10.1123	290415.41	4630610.5	95.38	95.38	89072822	CLF_89.SFC	1	5	4735
1057	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	WCLOAD	1ST	10.15383	290415.41	4630610.5	95.38	95.38	89072823	CLF_89.SFC	1	5	4735
1058	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	WCLOAD	2ND	10.1123	290415.41	4630610.5	95.38	95.38	89072822	CLF_89.SFC	1	5	4735
1059	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	RIDGE100	1ST	10.15383	290415.41	4630610.5	95.38	95.38	89072823	CLF_89.SFC	1	5	4735
1060	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	RIDGE100	2ND	10.1123	290415.41	4630610.5	95.38	95.38	89072822	CLF_89.SFC	1	5	4735
1061	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	RIDGEWC	1ST	10.15383	290415.41	4630610.5	95.38	95.38	89072823	CLF_89.SFC	1	5	4735
1062	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	1-HR	RIDGEWC	2ND	10.1123	290415.41	4630610.5	95.38	95.38	89072822	CLF_89.SFC	1	5	4735
1063	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	TURBINES	1ST	9.63512	290415.41	4630610.5	95.38	95.38	89072824	CLF_89.SFC	1	5	4735
1064	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	TURBINES	2ND	9.10365	290387.75	4630597.5	93.64	93.64	89072824	CLF_89.SFC	1	5	4735
1065	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	100PCT	1ST	9.63512	290415.41	4630610.5	95.38	95.38	89072824	CLF_89.SFC	1	5	4735
1066	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	100PCT	2ND	9.10365	290387.75	4630597.5	93.64	93.64	89072824	CLF_89.SFC	1	5	4735
1067	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	WCLOAD	1ST	9.63512	290415.41	4630610.5	95.38	95.38	89072824	CLF_89.SFC	1	5	4735
1068	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	WCLOAD	2ND	9.10365	290387.75	4630597.5	93.64	93.64	89072824	CLF_89.SFC	1	5	4735
1069	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	RIDGE100	1ST	9.63512	290415.41	4630610.5	95.38	95.38	89072824	CLF_89.SFC	1	5	4735
1070	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	RIDGE100	2ND	9.10365	290387.75	4630597.5	93.64	93.64	89072824	CLF_89.SFC	1	5	4735
1071	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	RIDGEWC	1ST	9.63512	290415.41	4630610.5	95.38	95.38	89072824	CLF_89.SFC	1	5	4735
1072	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	3-HR	RIDGEWC	2ND	9.10365	290387.75	4630597.5	93.64	93.64	89072824	CLF_89.SFC	1	5	4735
1073	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	TURBINES	1ST	8.07106	290522.31	4630859	99.6	109	89111408	CLF_89.SFC	1	5	4735
1074	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	TURBINES	2ND	7.8422	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	1	5	4735
1075	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	100PCT	1ST	8.07106	290522.31	4630859	99.6	109	89111408	CLF_89.SFC	1	5	4735
1076	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	100PCT	2ND	7.8422	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	1	5	4735
1077	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	WCLOAD	1ST	8.07106	290522.31	4630859	99.6	109	89111408	CLF_89.SFC	1	5	4735
1078	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	WCLOAD	2ND	7.8422	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	1	5	4735
1079	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	RIDGE100	1ST	8.07106	290522.31	4630859	99.6	109	89111408	CLF_89.SFC	1	5	4735
1080	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	RIDGE100	2ND	7.8422	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	1	5	4735
1081	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	RIDGEWC	1ST	8.07106	290522.31	4630859	99.6	109	89111408	CLF_89.SFC	1	5	4735
1082	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	8-HR	RIDGEWC	2ND	7.8422	290512.59	4630857	99.59	107	89082108	CLF_89.SFC	1	5	4735
1083	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	TURBINES	1ST	5.5107	290515.84	4630830.5	104.65	104.65	89082124	CLF_89.SFC	1	5	4735
1084	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	TURBINES	2ND	4.82123	290479.44	4630674.5	97.26	108	89112124	CLF_89.SFC	1	5	4735
1085	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	100PCT	1ST	5.5107	290515.84	4630830.5	104.65	104.65	89082124	CLF_89.SFC	1	5	4735
1086	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	100PCT	2ND	4.82123	290479.44	4630674.5	97.26	108	89112124	CLF_89.SFC	1	5	4735
1087	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	WCLOAD	1ST	5.5107	290515.84	4630830.5	104.65	104.65	89082124	CLF_89.SFC	1	5	4735
1088	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	WCLOAD	2ND	4.82123	290479.44	4630674.5	97.26	108	89112124	CLF_89.SFC	1	5	4735
1089	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	RIDGE100	1ST	5.5107	290515.84	4630830.5	104.65	104.65	89082124	CLF_89.SFC	1	5	4735
1090	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	RIDGE100	2ND	4.82123	290479.44	4630674.5	97.26	108	89112124	CLF_89.SFC	1	5	4735
1091	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	RIDGEWC	1ST	5.5107	290515.84	4630830.5	104.65	104.65	89082124	CLF_89.SFC	1	5	4735
1092	AERMOD	Ridgewood criteria_1989_UNIT.USF	UNIT	24-HR	RIDGEWC	2ND	4.82123	290479.44	4630674.5	97.26	108	89112124	CLF_89.SFC	1	5	4735
1093	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	TURBINES	1ST	353.56815	289572.78	4630644.5	110.82	130	90102624	CLF_90.SFC	19	12	4735
1094	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	TURBINES	2ND	243.46042	289583.5	4630637	111.65	130	90111903	CLF_90.SFC	19	12	4735
1095	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	100PCT	1ST	631.05084	288963.69	4630575.5	135.17	149	90022508	CLF_90.SFC	19	12	4735
1096	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	100PCT	2ND	625.50256	288963.69	4630575.5	135.17	149	90043004	CLF_90.SFC	19	12	4735
1097	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	ULE100	1ST	25.08733	289080.59	4630594.5	133.21	138	90121020	CLF_90.SFC	19	12	4735
1098	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	ULE100	2ND	22.78282	289080.59	4630594.5	133.21	138	90111022	CLF_90.SFC	19	12	4735
1099	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	CAT	1ST	488.68665	289075	4630578.5	134.86	138	90022521	CLF_90.SFC	19	12	4735
1100	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	CAT	2ND	487.23544	289075	4630578.5	134.86	138	90022603	CLF_90.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1101	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	WCLOAD	1ST	549.1778	288954	4630574	136.28	149	90031322	CLF_90.SFC	19	12	4735
1102	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	WCLOAD	2ND	548.8432	288954	4630574	136.28	149	90090319	CLF_90.SFC	19	12	4735
1103	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	EXIST100	1ST	630.77368	288963.69	4630575.5	135.17	149	90022508	CLF_90.SFC	19	12	4735
1104	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	EXIST100	2ND	625.07428	288963.69	4630575.5	135.17	149	90102517	CLF_90.SFC	19	12	4735
1105	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	RIDGE100	1ST	627.54968	288963.69	4630575.5	135.17	149	90022508	CLF_90.SFC	19	12	4735
1106	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	RIDGE100	2ND	624.26038	288963.69	4630575.5	135.17	149	90043004	CLF_90.SFC	19	12	4735
1107	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	EXISTWC	1ST	547.47943	288963.69	4630575.5	135.17	149	90071219	CLF_90.SFC	19	12	4735
1108	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	EXISTWC	2ND	546.68884	288954	4630574	136.28	149	90031322	CLF_90.SFC	19	12	4735
1109	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	ULE50	1ST	16.79603	289070.91	4630592.5	132.2	138	90022524	CLF_90.SFC	19	12	4735
1110	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	ULE50	2ND	16.57029	289031.91	4630586.5	130.21	149	90020419	CLF_90.SFC	19	12	4735
1111	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	RIDGEWC	1ST	548.28473	288954	4630574	136.28	149	90031322	CLF_90.SFC	19	12	4735
1112	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	RIDGEWC	2ND	548.12451	288954	4630574	136.28	149	90090319	CLF_90.SFC	19	12	4735
1113	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	NFLRS100	1ST	353.306	289572.78	4630644.5	110.82	130	90102624	CLF_90.SFC	19	12	4735
1114	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	NFLRS100	2ND	243.13553	289583.5	4630637	111.65	130	90111903	CLF_90.SFC	19	12	4735
1115	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	NFLRSWC	1ST	252.3745	289585.19	4630653	109.22	130	90121020	CLF_90.SFC	19	12	4735
1116	AERMOD	Ridgewood criteria_1990_CO.USF	CO	1-HR	NFLRSWC	2ND	244.23378	289585.19	4630653	109.22	130	90022520	CLF_90.SFC	19	12	4735
1117	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	TURBINES	1ST	174.08344	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	19	12	4735
1118	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	TURBINES	2ND	154.47044	290500.25	4630617.5	96.56	108	90111324	CLF_90.SFC	19	12	4735
1119	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	100PCT	1ST	505.0831	288973.5	4630577	134.23	149	90082208	CLF_90.SFC	19	12	4735
1120	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	100PCT	2ND	494.94202	288973.5	4630577	134.23	149	90082124	CLF_90.SFC	19	12	4735
1121	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	ULE100	1ST	13.5125	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	19	12	4735
1122	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	ULE100	2ND	11.79486	288993	4630580	132.22	149	90111816	CLF_90.SFC	19	12	4735
1123	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	CAT	1ST	353.52899	289075	4630578.5	134.86	138	90022524	CLF_90.SFC	19	12	4735
1124	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	CAT	2ND	346.67969	289075	4630578.5	134.86	138	90102924	CLF_90.SFC	19	12	4735
1125	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	WCLOAD	1ST	440.64264	288973.5	4630577	134.23	149	90040108	CLF_90.SFC	19	12	4735
1126	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	WCLOAD	2ND	437.52658	288973.5	4630577	134.23	149	90082208	CLF_90.SFC	19	12	4735
1127	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	EXIST100	1ST	504.36368	288973.5	4630577	134.23	149	90082208	CLF_90.SFC	19	12	4735
1128	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	EXIST100	2ND	494.02051	288973.5	4630577	134.23	149	90082124	CLF_90.SFC	19	12	4735
1129	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	RIDGE100	1ST	501.57916	288973.5	4630577	134.23	149	90082208	CLF_90.SFC	19	12	4735
1130	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	RIDGE100	2ND	491.94357	288973.5	4630577	134.23	149	90082124	CLF_90.SFC	19	12	4735
1131	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	EXISTWC	1ST	440.16095	288973.5	4630577	134.23	149	90040108	CLF_90.SFC	19	12	4735
1132	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	EXISTWC	2ND	436.96597	288973.5	4630577	134.23	149	90082208	CLF_90.SFC	19	12	4735
1133	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	ULE50	1ST	11.96614	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	19	12	4735
1134	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	ULE50	2ND	11.69335	289012.41	4630583.5	131.23	149	90111808	CLF_90.SFC	19	12	4735
1135	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	RIDGEWC	1ST	437.03693	288973.5	4630577	134.23	149	90040108	CLF_90.SFC	19	12	4735
1136	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	RIDGEWC	2ND	432.93317	288973.5	4630577	134.23	149	90082208	CLF_90.SFC	19	12	4735
1137	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	NFLRS100	1ST	129.28667	289556.72	4630625.5	112.45	130	90111824	CLF_90.SFC	19	12	4735
1138	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	NFLRS100	2ND	120.50004	289556.59	4630647	110.67	130	90102616	CLF_90.SFC	19	12	4735
1139	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	NFLRSWC	1ST	193.12247	289566.09	4630649	110.69	130	90111908	CLF_90.SFC	19	12	4735
1140	AERMOD	Ridgewood criteria_1990_CO.USF	CO	8-HR	NFLRSWC	2ND	188.8728	289566.09	4630649	110.69	130	90111824	CLF_90.SFC	19	12	4735
1141	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	TURBINES	1ST	3.35255	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	19	12	4735
1142	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	100PCT	1ST	12.31515	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1143	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	ULE100	1ST	0.19437	289080.59	4630594.5	133.21	138	1 YRS	CLF_90.SFC	19	12	4735
1144	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	CAT	1ST	5.25534	289082.12	4630583.5	134.52	138	1 YRS	CLF_90.SFC	19	12	4735
1145	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	WCLOAD	1ST	11.40204	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1146	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	EXIST100	1ST	12.00503	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1147	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	RIDGE100	1ST	11.84325	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1148	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	EXISTWC	1ST	11.10966	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1149	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	ULE50	1ST	0.24569	289080.59	4630594.5	133.21	138	1 YRS	CLF_90.SFC	19	12	4735
1150	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	RIDGEWC	1ST	10.89411	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1151	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	NFLRS100	1ST	1.32177	289621	4630602	119.14	130	1 YRS	CLF_90.SFC	19	12	4735
1152	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	ANNUAL	NFLRSWC	1ST	3.45386	289604.41	4630657	108.45	130	1 YRS	CLF_90.SFC	19	12	4735
1153	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	TURBINES	1ST	54.32238	289571	4630615.5	114.46	130	90111904	CLF_90.SFC	19	12	4735
1154	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	TURBINES	2ND	41.62831	289556.72	4630625.5	112.45	130	90111820	CLF_90.SFC	19	12	4735
1155	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	100PCT	1ST	157.42458	290344.41	4631266	110.01	110.01	90123012	CLF_90.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1156	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	100PCT	2ND	133.95287	290329.59	4631279	111.31	111.31	90121816	CLF_90.SFC	19	12	4735
1157	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	ULE100	1ST	6.76083	289031.91	4630586.5	130.21	149	90111904	CLF_90.SFC	19	12	4735
1158	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	ULE100	2ND	5.61629	289012.41	4630583.5	131.23	149	90111820	CLF_90.SFC	19	12	4735
1159	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	CAT	1ST	82.32329	289075	4630578.5	134.86	138	90022604	CLF_90.SFC	19	12	4735
1160	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	CAT	2ND	82.26974	289075	4630578.5	134.86	138	90102920	CLF_90.SFC	19	12	4735
1161	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	WCLOAD	1ST	155.91608	290344.41	4631266	110.01	110.01	90123012	CLF_90.SFC	19	12	4735
1162	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	WCLOAD	2ND	133.71347	290329.59	4631279	111.31	111.31	90121816	CLF_90.SFC	19	12	4735
1163	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	EXIST100	1ST	155.03104	290344.41	4631266	110.01	110.01	90123012	CLF_90.SFC	19	12	4735
1164	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	EXIST100	2ND	131.26802	288973.5	4630577	134.23	149	90043004	CLF_90.SFC	19	12	4735
1165	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	RIDGE100	1ST	136.78987	288983.19	4630578.5	133.17	149	90013004	CLF_90.SFC	19	12	4735
1166	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	RIDGE100	2ND	130.04472	288973.5	4630577	134.23	149	90020220	CLF_90.SFC	19	12	4735
1167	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	EXISTWC	1ST	154.9146	290344.41	4631266	110.01	110.01	90123012	CLF_90.SFC	19	12	4735
1168	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	EXISTWC	2ND	130.06183	290329.59	4631279	111.31	111.31	90121812	CLF_90.SFC	19	12	4735
1169	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	ULE50	1ST	6.0828	289061.19	4630591	130.82	138	90102624	CLF_90.SFC	19	12	4735
1170	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	ULE50	2ND	5.4945	289012.41	4630583.5	131.23	149	90033104	CLF_90.SFC	19	12	4735
1171	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	RIDGEWC	1ST	111.1099	288973.5	4630577	134.23	149	90043004	CLF_90.SFC	19	12	4735
1172	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	RIDGEWC	2ND	109.92657	288973.5	4630577	134.23	149	90020220	CLF_90.SFC	19	12	4735
1173	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	NFLRS100	1ST	54.25009	289571	4630615.5	114.46	130	90111904	CLF_90.SFC	19	12	4735
1174	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	NFLRS100	2ND	41.54806	289556.72	4630625.5	112.45	130	90111820	CLF_90.SFC	19	12	4735
1175	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	NFLRSWC	1ST	62.98911	289575.69	4630651	109.92	130	90102624	CLF_90.SFC	19	12	4735
1176	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	4-HR	NFLRSWC	2ND	59.80487	289566.09	4630649	110.69	130	90033104	CLF_90.SFC	19	12	4735
1177	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	TURBINES	1ST	39.78377	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	19	12	4735
1178	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	TURBINES	2ND	36.54904	289556.59	4630647	110.67	130	90102616	CLF_90.SFC	19	12	4735
1179	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	100PCT	1ST	137.06497	290344.41	4631266	110.01	110.01	90123016	CLF_90.SFC	19	12	4735
1180	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	100PCT	2ND	115.90822	290337	4631272.5	110.82	110.82	90123016	CLF_90.SFC	19	12	4735
1181	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	ULE100	1ST	5.63246	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	19	12	4735
1182	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	ULE100	2ND	4.9165	288993	4630580	132.22	149	90111816	CLF_90.SFC	19	12	4735
1183	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	CAT	1ST	64.25912	289075	4630578.5	134.86	138	90022524	CLF_90.SFC	19	12	4735
1184	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	CAT	2ND	63.01415	289075	4630578.5	134.86	138	90102924	CLF_90.SFC	19	12	4735
1185	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	WCLOAD	1ST	136.1349	290344.41	4631266	110.01	110.01	90123016	CLF_90.SFC	19	12	4735
1186	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	WCLOAD	2ND	115.00195	290337	4631272.5	110.82	110.82	90123016	CLF_90.SFC	19	12	4735
1187	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	EXIST100	1ST	135.37029	290344.41	4631266	110.01	110.01	90123016	CLF_90.SFC	19	12	4735
1188	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	EXIST100	2ND	114.25215	290337	4631272.5	110.82	110.82	90123016	CLF_90.SFC	19	12	4735
1189	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	RIDGE100	1ST	112.06653	288963.69	4630575.5	135.17	149	90040108	CLF_90.SFC	19	12	4735
1190	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	RIDGE100	2ND	110.89506	288973.5	4630577	134.23	149	90040108	CLF_90.SFC	19	12	4735
1191	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	EXISTWC	1ST	135.25572	290344.41	4631266	110.01	110.01	90123016	CLF_90.SFC	19	12	4735
1192	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	EXISTWC	2ND	114.13509	290337	4631272.5	110.82	110.82	90123016	CLF_90.SFC	19	12	4735
1193	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	ULE50	1ST	4.99122	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	19	12	4735
1194	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	ULE50	2ND	4.87744	289012.41	4630583.5	131.23	149	90111808	CLF_90.SFC	19	12	4735
1195	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	RIDGEWC	1ST	98.29253	288973.5	4630577	134.23	149	90020308	CLF_90.SFC	19	12	4735
1196	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	RIDGEWC	2ND	97.91766	288973.5	4630577	134.23	149	90040108	CLF_90.SFC	19	12	4735
1197	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	NFLRS100	1ST	39.38331	289556.72	4630625.5	112.45	130	90111824	CLF_90.SFC	19	12	4735
1198	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	NFLRS100	2ND	36.50988	289556.59	4630647	110.67	130	90102616	CLF_90.SFC	19	12	4735
1199	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	NFLRSWC	1ST	58.3088	289566.09	4630649	110.69	130	90111908	CLF_90.SFC	19	12	4735
1200	AERMOD	Ridgewood criteria_1990_NOX.USF	NOX	8-HR	NFLRSWC	2ND	57.15239	289566.09	4630649	110.69	130	90111824	CLF_90.SFC	19	12	4735
1201	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	TURBINES	1ST	2.47927	290254.03	4630775	94.35	101	1 YRS	CLF_90.SFC	21	12	4735
1202	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	100PCT	1ST	2.73249	290254.03	4630775	94.35	101	1 YRS	CLF_90.SFC	21	12	4735
1203	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	ULE100	1ST	0.38844	289080.59	4630594.5	133.21	138	1 YRS	CLF_90.SFC	21	12	4735
1204	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	CAT	1ST	0.52638	289082.12	4630583.5	134.52	138	1 YRS	CLF_90.SFC	21	12	4735
1205	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	WCLOAD	1ST	2.70627	290254.03	4630775	94.35	101	1 YRS	CLF_90.SFC	21	12	4735
1206	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	EXIST100	1ST	2.11802	290337	4631272.5	110.82	110.82	1 YRS	CLF_90.SFC	21	12	4735
1207	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	RIDGE100	1ST	2.53344	290254.03	4630775	94.35	101	1 YRS	CLF_90.SFC	21	12	4735
1208	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	EXISTWC	1ST	2.11005	290337	4631272.5	110.82	110.82	1 YRS	CLF_90.SFC	21	12	4735
1209	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	ULE50	1ST	0.49138	289080.59	4630594.5	133.21	138	1 YRS	CLF_90.SFC	21	12	4735
1210	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	RIDGEWC	1ST	2.50643	290254.03	4630775	94.35	101	1 YRS	CLF_90.SFC	21	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1211	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	NFLRS100	1ST	0.62705	289650	4630622	114.6	130	1 YRS	CLF_90.SFC	21	12	4735
1212	AERMOD	Ridgewood criteria_1990_PM.USF	PM	ANNUAL	NFLRSWC	1ST	1.1241	289604.41	4630657	108.45	130	1 YRS	CLF_90.SFC	21	12	4735
1213	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	TURBINES	1ST	13.48315	289652.09	4630666.5	106.38	130	90111224	CLF_90.SFC	21	12	4735
1214	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	TURBINES	2ND	9.87191	289638.09	4630655	108.23	130	90111324	CLF_90.SFC	21	12	4735
1215	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	100PCT	1ST	24.27147	288983.19	4630578.5	133.17	149	90111824	CLF_90.SFC	21	12	4735
1216	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	100PCT	2ND	18.42631	288983.19	4630578.5	133.17	149	90102624	CLF_90.SFC	21	12	4735
1217	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	ULE100	1ST	9.08953	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	21	12	4735
1218	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	ULE100	2ND	5.1169	288983.19	4630578.5	133.17	149	90102624	CLF_90.SFC	21	12	4735
1219	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	CAT	1ST	4.79354	289036.97	4630548	135.7	135.7	90111824	CLF_90.SFC	21	12	4735
1220	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	CAT	2ND	3.89529	289082.12	4630583.5	134.52	138	90112924	CLF_90.SFC	21	12	4735
1221	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	WCLOAD	1ST	20.14379	288983.19	4630578.5	133.17	149	90111824	CLF_90.SFC	21	12	4735
1222	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	WCLOAD	2ND	15.76573	288983.19	4630578.5	133.17	149	90102624	CLF_90.SFC	21	12	4735
1223	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	EXIST100	1ST	24.25399	288983.19	4630578.5	133.17	149	90111824	CLF_90.SFC	21	12	4735
1224	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	EXIST100	2ND	18.4082	288983.19	4630578.5	133.17	149	90102624	CLF_90.SFC	21	12	4735
1225	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	RIDGE100	1ST	16.04569	288983.19	4630578.5	133.17	149	90111824	CLF_90.SFC	21	12	4735
1226	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	RIDGE100	2ND	13.5262	288963.69	4630575.5	135.17	149	90042924	CLF_90.SFC	21	12	4735
1227	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	EXISTWC	1ST	20.13355	288983.19	4630578.5	133.17	149	90111824	CLF_90.SFC	21	12	4735
1228	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	EXISTWC	2ND	15.75425	288983.19	4630578.5	133.17	149	90102624	CLF_90.SFC	21	12	4735
1229	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	ULE50	1ST	8.97139	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	21	12	4735
1230	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	ULE50	2ND	5.15103	289002.69	4630581.5	131.78	149	90102624	CLF_90.SFC	21	12	4735
1231	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	RIDGEWC	1ST	17.33504	289566.09	4630649	110.69	130	90111824	CLF_90.SFC	21	12	4735
1232	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	RIDGEWC	2ND	12.0615	289566.09	4630649	110.69	130	90102624	CLF_90.SFC	21	12	4735
1233	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	NFLRS100	1ST	13.02433	289652.09	4630666.5	106.38	130	90111224	CLF_90.SFC	21	12	4735
1234	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	NFLRS100	2ND	9.52569	289638.09	4630655	108.23	130	90111324	CLF_90.SFC	21	12	4735
1235	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	NFLRSWC	1ST	17.0712	289566.09	4630649	110.69	130	90111824	CLF_90.SFC	21	12	4735
1236	AERMOD	Ridgewood criteria_1990_PM.USF	PM	24-HR	NFLRSWC	2ND	11.71308	289566.09	4630649	110.69	130	90102624	CLF_90.SFC	21	12	4735
1237	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	TURBINES	1ST	1.16924	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	19	12	4735
1238	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	100PCT	1ST	3.8294	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1239	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	ULE100	1ST	0.23861	289080.59	4630594.5	133.21	138	1 YRS	CLF_90.SFC	19	12	4735
1240	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	CAT	1ST	1.09946	289082.12	4630583.5	134.52	138	1 YRS	CLF_90.SFC	19	12	4735
1241	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	WCLOAD	1ST	3.77069	289434.69	4631996.5	120.56	128	1 YRS	CLF_90.SFC	19	12	4735
1242	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	EXIST100	1ST	3.70188	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1243	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	RIDGE100	1ST	2.09549	289075	4630578.5	134.86	138	1 YRS	CLF_90.SFC	19	12	4735
1244	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	EXISTWC	1ST	3.65721	289434.69	4631996.5	120.56	128	1 YRS	CLF_90.SFC	19	12	4735
1245	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	ULE50	1ST	0.3016	289080.59	4630594.5	133.21	138	1 YRS	CLF_90.SFC	19	12	4735
1246	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	RIDGEWC	1ST	2.15971	289604.41	4630657	108.45	130	1 YRS	CLF_90.SFC	19	12	4735
1247	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	NFLRS100	1ST	0.77039	289650	4630622	114.6	130	1 YRS	CLF_90.SFC	19	12	4735
1248	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	ANNUAL	NFLRSWC	1ST	1.82642	289604.41	4630657	108.45	130	1 YRS	CLF_90.SFC	19	12	4735
1249	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	TURBINES	1ST	56.18526	289572.78	4630644.5	110.82	130	90102624	CLF_90.SFC	19	12	4735
1250	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	TURBINES	2ND	39.42905	289583.5	4630637	111.65	130	90111903	CLF_90.SFC	19	12	4735
1251	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	100PCT	1ST	58.14525	289572.78	4630644.5	110.82	130	90102624	CLF_90.SFC	19	12	4735
1252	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	100PCT	2ND	52.3933	289341.5	4632009.5	122.56	128	90122406	CLF_90.SFC	19	12	4735
1253	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	ULE100	1ST	12.83694	289080.59	4630594.5	133.21	138	90121020	CLF_90.SFC	19	12	4735
1254	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	ULE100	2ND	11.65774	289080.59	4630594.5	133.21	138	90111022	CLF_90.SFC	19	12	4735
1255	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	CAT	1ST	18.58315	289075	4630578.5	134.86	138	90022521	CLF_90.SFC	19	12	4735
1256	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	CAT	2ND	18.52797	289075	4630578.5	134.86	138	90022603	CLF_90.SFC	19	12	4735
1257	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	WCLOAD	1ST	53.06097	289332.09	4632010	122.71	128	90012524	CLF_90.SFC	19	12	4735
1258	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	WCLOAD	2ND	52.14303	289341.5	4632009.5	122.56	128	90122406	CLF_90.SFC	19	12	4735
1259	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	EXIST100	1ST	53.32817	289332.09	4632010	122.71	128	90012524	CLF_90.SFC	19	12	4735
1260	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	EXIST100	2ND	52.37404	289341.5	4632009.5	122.56	128	90122406	CLF_90.SFC	19	12	4735
1261	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	RIDGE100	1ST	56.20891	289572.78	4630644.5	110.82	130	90102624	CLF_90.SFC	19	12	4735
1262	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	RIDGE100	2ND	39.45715	289583.5	4630637	111.65	130	90111903	CLF_90.SFC	19	12	4735
1263	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	EXISTWC	1ST	53.04768	289332.09	4632010	122.71	128	90012524	CLF_90.SFC	19	12	4735
1264	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	EXISTWC	2ND	52.13226	289341.5	4632009.5	122.56	128	90122406	CLF_90.SFC	19	12	4735
1265	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	ULE50	1ST	8.60011	289070.91	4630592.5	132.2	138	90022524	CLF_90.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1266	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	ULE50	2ND	8.48452	289031.91	4630586.5	130.21	149	90020419	CLF_90.SFC	19	12	4735
1267	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	RIDGEWC	1ST	39.57867	289585.19	4630653	109.22	130	90121020	CLF_90.SFC	19	12	4735
1268	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	RIDGEWC	2ND	38.24253	289585.19	4630653	109.22	130	90022520	CLF_90.SFC	19	12	4735
1269	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	NFLRS100	1ST	56.16497	289572.78	4630644.5	110.82	130	90102624	CLF_90.SFC	19	12	4735
1270	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	NFLRS100	2ND	39.4039	289583.5	4630637	111.65	130	90111903	CLF_90.SFC	19	12	4735
1271	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	NFLRSWC	1ST	39.55357	289585.19	4630653	109.22	130	90121020	CLF_90.SFC	19	12	4735
1272	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	1-HR	NFLRSWC	2ND	38.21045	289585.19	4630653	109.22	130	90022520	CLF_90.SFC	19	12	4735
1273	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	TURBINES	1ST	32.19976	289550	4630622	112.44	130	90111818	CLF_90.SFC	19	12	4735
1274	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	TURBINES	2ND	25.64149	289638.09	4630655	108.23	130	90111218	CLF_90.SFC	19	12	4735
1275	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	100PCT	1ST	49.51518	289350.81	4632009	122.42	128	90040421	CLF_90.SFC	19	12	4735
1276	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	100PCT	2ND	48.25462	289332.09	4632010	122.71	128	90042021	CLF_90.SFC	19	12	4735
1277	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	ULE100	1ST	9.47004	288993	4630580	132.22	149	90111818	CLF_90.SFC	19	12	4735
1278	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	ULE100	2ND	7.62368	289031.91	4630586.5	130.21	149	90111903	CLF_90.SFC	19	12	4735
1279	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	CAT	1ST	17.60095	289075	4630578.5	134.86	138	90022521	CLF_90.SFC	19	12	4735
1280	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	CAT	2ND	16.94769	289075	4630578.5	134.86	138	90022603	CLF_90.SFC	19	12	4735
1281	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	WCLOAD	1ST	49.28941	289350.81	4632009	122.42	128	90040421	CLF_90.SFC	19	12	4735
1282	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	WCLOAD	2ND	48.02089	289332.09	4632010	122.71	128	90042021	CLF_90.SFC	19	12	4735
1283	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	EXIST100	1ST	49.47916	289350.81	4632009	122.42	128	90040421	CLF_90.SFC	19	12	4735
1284	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	EXIST100	2ND	48.19293	289332.09	4632010	122.71	128	90042021	CLF_90.SFC	19	12	4735
1285	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	RIDGE100	1ST	32.23109	289550	4630622	112.44	130	90111818	CLF_90.SFC	19	12	4735
1286	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	RIDGE100	2ND	25.92844	289638.09	4630655	108.23	130	90111218	CLF_90.SFC	19	12	4735
1287	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	EXISTWC	1ST	49.26854	289350.81	4632009	122.42	128	90040421	CLF_90.SFC	19	12	4735
1288	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	EXISTWC	2ND	47.98772	289332.09	4632010	122.71	128	90042021	CLF_90.SFC	19	12	4735
1289	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	ULE50	1ST	7.72471	289022.19	4630585	130.64	149	90090803	CLF_90.SFC	19	12	4735
1290	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	ULE50	2ND	7.19985	289012.41	4630583.5	131.23	149	90090803	CLF_90.SFC	19	12	4735
1291	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	RIDGEWC	1ST	35.83094	289566.09	4630649	110.69	130	90090803	CLF_90.SFC	19	12	4735
1292	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	RIDGEWC	2ND	34.07288	289566.09	4630649	110.69	130	90111821	CLF_90.SFC	19	12	4735
1293	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	NFLRS100	1ST	32.17622	289550	4630622	112.44	130	90111818	CLF_90.SFC	19	12	4735
1294	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	NFLRS100	2ND	25.6099	289638.09	4630655	108.23	130	90111218	CLF_90.SFC	19	12	4735
1295	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	NFLRSWC	1ST	35.79002	289566.09	4630649	110.69	130	90090803	CLF_90.SFC	19	12	4735
1296	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	3-HR	NFLRSWC	2ND	34.03244	289566.09	4630649	110.69	130	90111821	CLF_90.SFC	19	12	4735
1297	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	TURBINES	1ST	18.33509	289646	4630658.5	107.59	130	90111224	CLF_90.SFC	19	12	4735
1298	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	TURBINES	2ND	11.14643	289658.5	4630637	111.1	130	90111324	CLF_90.SFC	19	12	4735
1299	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	100PCT	1ST	28.31524	289416	4632000	121.6	128	90031724	CLF_90.SFC	19	12	4735
1300	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	100PCT	2ND	26.02022	289453.31	4631993	120.45	120.45	90041024	CLF_90.SFC	19	12	4735
1301	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	ULE100	1ST	5.58347	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	19	12	4735
1302	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	ULE100	2ND	3.14318	288983.19	4630578.5	133.17	149	90102624	CLF_90.SFC	19	12	4735
1303	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	CAT	1ST	10.01231	289036.97	4630548	135.7	135.7	90111824	CLF_90.SFC	19	12	4735
1304	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	CAT	2ND	8.13613	289082.12	4630583.5	134.52	138	90112924	CLF_90.SFC	19	12	4735
1305	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	WCLOAD	1ST	28.26528	289416	4632000	121.6	128	90031724	CLF_90.SFC	19	12	4735
1306	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	WCLOAD	2ND	25.97327	289453.31	4631993	120.45	120.45	90041024	CLF_90.SFC	19	12	4735
1307	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	EXIST100	1ST	28.29579	289416	4632000	121.6	128	90031724	CLF_90.SFC	19	12	4735
1308	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	EXIST100	2ND	26.00412	289453.31	4631993	120.45	120.45	90041024	CLF_90.SFC	19	12	4735
1309	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	RIDGE100	1ST	18.61	289646	4630658.5	107.59	130	90111224	CLF_90.SFC	19	12	4735
1310	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	RIDGE100	2ND	14.43968	288973.5	4630577	134.23	149	90042924	CLF_90.SFC	19	12	4735
1311	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	EXISTWC	1ST	28.25233	289416	4632000	121.6	128	90031724	CLF_90.SFC	19	12	4735
1312	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	EXISTWC	2ND	25.96283	289453.31	4631993	120.45	120.45	90041024	CLF_90.SFC	19	12	4735
1313	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	ULE50	1ST	5.50648	289002.69	4630581.5	131.78	149	90111824	CLF_90.SFC	19	12	4735
1314	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	ULE50	2ND	3.16161	289002.69	4630581.5	131.78	149	90102624	CLF_90.SFC	19	12	4735
1315	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	RIDGEWC	1ST	26.95759	289566.09	4630649	110.69	130	90111824	CLF_90.SFC	19	12	4735
1316	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	RIDGEWC	2ND	18.68063	289566.09	4630649	110.69	130	90102624	CLF_90.SFC	19	12	4735
1317	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	NFLRS100	1ST	18.30052	289646	4630658.5	107.59	130	90111224	CLF_90.SFC	19	12	4735
1318	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	NFLRS100	2ND	11.10933	289658.5	4630637	111.1	130	90111324	CLF_90.SFC	19	12	4735
1319	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	NFLRSWC	1ST	26.92057	289566.09	4630649	110.69	130	90111824	CLF_90.SFC	19	12	4735
1320	AERMOD	Ridgewood criteria_1990_SO2.USF	SO2	24-HR	NFLRSWC	2ND	18.63335	289566.09	4630649	110.69	130	90102624	CLF_90.SFC	19	12	4735

TABLE E-3
CRITERIA POLLUTANT MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1321	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	ANNUAL	TURBINES	1ST	0.6429	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	1	5	4735
1322	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	ANNUAL	100PCT	1ST	0.6429	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	1	5	4735
1323	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	ANNUAL	WCLOAD	1ST	0.6429	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	1	5	4735
1324	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	ANNUAL	RIDGE100	1ST	0.6429	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	1	5	4735
1325	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	ANNUAL	RIDGEWC	1ST	0.6429	290519.41	4630601.5	98.06	108	1 YRS	CLF_90.SFC	1	5	4735
1326	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	TURBINES	1ST	10.04865	290214.69	4630870.5	95.2	98	90061419	CLF_90.SFC	1	5	4735
1327	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	TURBINES	2ND	9.91989	290415.41	4630610.5	95.38	95.38	90060420	CLF_90.SFC	1	5	4735
1328	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	100PCT	1ST	10.04865	290214.69	4630870.5	95.2	98	90061419	CLF_90.SFC	1	5	4735
1329	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	100PCT	2ND	9.91989	290415.41	4630610.5	95.38	95.38	90060420	CLF_90.SFC	1	5	4735
1330	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	WCLOAD	1ST	10.04865	290214.69	4630870.5	95.2	98	90061419	CLF_90.SFC	1	5	4735
1331	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	WCLOAD	2ND	9.91989	290415.41	4630610.5	95.38	95.38	90060420	CLF_90.SFC	1	5	4735
1332	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	RIDGE100	1ST	10.04865	290214.69	4630870.5	95.2	98	90061419	CLF_90.SFC	1	5	4735
1333	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	RIDGE100	2ND	9.91989	290415.41	4630610.5	95.38	95.38	90060420	CLF_90.SFC	1	5	4735
1334	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	RIDGEWC	1ST	10.04865	290214.69	4630870.5	95.2	98	90061419	CLF_90.SFC	1	5	4735
1335	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	1-HR	RIDGEWC	2ND	9.91989	290415.41	4630610.5	95.38	95.38	90060420	CLF_90.SFC	1	5	4735
1336	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	TURBINES	1ST	9.37109	290549.47	4630723	105.76	105.76	90060721	CLF_90.SFC	1	5	4735
1337	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	TURBINES	2ND	8.6855	290522.31	4630859	99.6	109	90071921	CLF_90.SFC	1	5	4735
1338	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	100PCT	1ST	9.37109	290549.47	4630723	105.76	105.76	90060721	CLF_90.SFC	1	5	4735
1339	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	100PCT	2ND	8.6855	290522.31	4630859	99.6	109	90071921	CLF_90.SFC	1	5	4735
1340	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	WCLOAD	1ST	9.37109	290549.47	4630723	105.76	105.76	90060721	CLF_90.SFC	1	5	4735
1341	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	WCLOAD	2ND	8.6855	290522.31	4630859	99.6	109	90071921	CLF_90.SFC	1	5	4735
1342	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	RIDGE100	1ST	9.37109	290549.47	4630723	105.76	105.76	90060721	CLF_90.SFC	1	5	4735
1343	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	RIDGE100	2ND	8.6855	290522.31	4630859	99.6	109	90071921	CLF_90.SFC	1	5	4735
1344	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	RIDGEWC	1ST	9.37109	290549.47	4630723	105.76	105.76	90060721	CLF_90.SFC	1	5	4735
1345	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	3-HR	RIDGEWC	2ND	8.6855	290522.31	4630859	99.6	109	90071921	CLF_90.SFC	1	5	4735
1346	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	TURBINES	1ST	7.88661	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	1	5	4735
1347	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	TURBINES	2ND	6.97254	290500.25	4630617.5	96.56	108	90111324	CLF_90.SFC	1	5	4735
1348	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	100PCT	1ST	7.88661	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	1	5	4735
1349	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	100PCT	2ND	6.97254	290500.25	4630617.5	96.56	108	90111324	CLF_90.SFC	1	5	4735
1350	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	WCLOAD	1ST	7.88661	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	1	5	4735
1351	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	WCLOAD	2ND	6.97254	290500.25	4630617.5	96.56	108	90111324	CLF_90.SFC	1	5	4735
1352	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	RIDGE100	1ST	7.88661	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	1	5	4735
1353	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	RIDGE100	2ND	6.97254	290500.25	4630617.5	96.56	108	90111324	CLF_90.SFC	1	5	4735
1354	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	RIDGEWC	1ST	7.88661	290481.12	4630633.5	96.5	108	90032324	CLF_90.SFC	1	5	4735
1355	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	8-HR	RIDGEWC	2ND	6.97254	290500.25	4630617.5	96.56	108	90111324	CLF_90.SFC	1	5	4735
1356	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	TURBINES	1ST	6.46594	290492.34	4630702	96.68	108	90111224	CLF_90.SFC	1	5	4735
1357	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	TURBINES	2ND	5.58117	290501.12	4630662	99.12	108	90111224	CLF_90.SFC	1	5	4735
1358	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	100PCT	1ST	6.46594	290492.34	4630702	96.68	108	90111224	CLF_90.SFC	1	5	4735
1359	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	100PCT	2ND	5.58117	290501.12	4630662	99.12	108	90111224	CLF_90.SFC	1	5	4735
1360	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	WCLOAD	1ST	6.46594	290492.34	4630702	96.68	108	90111224	CLF_90.SFC	1	5	4735
1361	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	WCLOAD	2ND	5.58117	290501.12	4630662	99.12	108	90111224	CLF_90.SFC	1	5	4735
1362	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	RIDGE100	1ST	6.46594	290492.34	4630702	96.68	108	90111224	CLF_90.SFC	1	5	4735
1363	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	RIDGE100	2ND	5.58117	290501.12	4630662	99.12	108	90111224	CLF_90.SFC	1	5	4735
1364	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	RIDGEWC	1ST	6.46594	290492.34	4630702	96.68	108	90111224	CLF_90.SFC	1	5	4735
1365	AERMOD	Ridgewood criteria_1990_UNIT.USF	UNIT	24-HR	RIDGEWC	2ND	5.58117	290501.12	4630662	99.12	108	90111224	CLF_90.SFC	1	5	4735

TABLE E-4
AIR TOXICS MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
1	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	ANNUAL	RIDGE100	1ST	0.02398	289050	4630547	136.43	136.43	1 YRS	DEM_CLF_72.SFC	8	3	4735
2	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	ANNUAL	TURBINES	1ST	0.01114	290488.59	4630570.5	93.89	113	1 YRS	DEM_CLF_72.SFC	8	3	4735
3	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	ANNUAL	RIDGEWOR	1ST	0.0263	289566.09	4630649	110.69	130	1 YRS	DEM_CLF_72.SFC	8	3	4735
4	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	1-HR	RIDGE100	1ST	0.65649	289575.69	4630651	109.92	130	72041720	DEM_CLF_72.SFC	8	3	4735
5	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	1-HR	RIDGE100	2ND	0.50653	289585.19	4630653	109.22	130	72022008	DEM_CLF_72.SFC	8	3	4735
6	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	1-HR	TURBINES	1ST	0.18696	290205.59	4630873.5	95.16	98	72062119	DEM_CLF_72.SFC	8	3	4735
7	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	1-HR	TURBINES	2ND	0.1849	290205.59	4630873.5	95.16	98	72062305	DEM_CLF_72.SFC	8	3	4735
8	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	1-HR	RIDGEWOR	1ST	0.41397	289585.19	4630653	109.22	130	72120703	DEM_CLF_72.SFC	8	3	4735
9	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	1-HR	RIDGEWOR	2ND	0.38935	289575.69	4630651	109.92	130	72011616	DEM_CLF_72.SFC	8	3	4735
10	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	24-HR	RIDGE100	1ST	0.21678	289621	4630627	113.6	130	72022024	DEM_CLF_72.SFC	8	3	4735
11	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	24-HR	RIDGE100	2ND	0.15428	289634.03	4630628	113.37	130	72121724	DEM_CLF_72.SFC	8	3	4735
12	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	24-HR	TURBINES	1ST	0.10606	290500.25	4630617.5	96.56	108	72121724	DEM_CLF_72.SFC	8	3	4735
13	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	24-HR	TURBINES	2ND	0.09985	290500.25	4630617.5	96.56	108	72032624	DEM_CLF_72.SFC	8	3	4735
14	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	24-HR	RIDGEWOR	1ST	0.26455	289594.81	4630655	108.76	130	72022024	DEM_CLF_72.SFC	8	3	4735
15	AERMOD	Ridgewood Air Toxics DEM_1972_H2S.US	H2S	24-HR	RIDGEWOR	2ND	0.22651	289603.91	4630655	108.6	130	72121724	DEM_CLF_72.SFC	8	3	4735
16	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	ANNUAL	RIDGE100	1ST	0.12061	288983.19	4630578.5	133.17	149	1 YRS	DEM_CLF_72.SFC	8	3	4735
17	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	ANNUAL	TURBINES	1ST	0.07624	290488.59	4630570.5	93.89	113	1 YRS	DEM_CLF_72.SFC	8	3	4735
18	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	ANNUAL	RIDGEWOR	1ST	0.17357	289566.09	4630649	110.69	130	1 YRS	DEM_CLF_72.SFC	8	3	4735
19	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	1-HR	RIDGE100	1ST	4.50487	289575.69	4630651	109.92	130	72041720	DEM_CLF_72.SFC	8	3	4735
20	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	1-HR	RIDGE100	2ND	3.47801	289585.19	4630653	109.22	130	72022008	DEM_CLF_72.SFC	8	3	4735
21	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	1-HR	TURBINES	1ST	1.2798	290205.59	4630873.5	95.16	98	72062119	DEM_CLF_72.SFC	8	3	4735
22	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	1-HR	TURBINES	2ND	1.26572	290205.59	4630873.5	95.16	98	72062305	DEM_CLF_72.SFC	8	3	4735
23	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	1-HR	RIDGEWOR	1ST	2.88566	289585.19	4630653	109.22	130	72120703	DEM_CLF_72.SFC	8	3	4735
24	AERMOD	Ridgewood Air Toxics DEM_1972_HCL.US	HCL	1-HR	RIDGEWOR	2ND	2.71495	289575.69	4630651	109.92	130	72011616	DEM_CLF_72.SFC	8	3	4735
25	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	ANNUAL	RIDGE100	1ST	56.48861	289050	4630547	136.43	136.43	1 YRS	DEM_CLF_72.SFC	8	3	4735
26	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	ANNUAL	TURBINES	1ST	26.21285	290488.59	4630570.5	93.89	113	1 YRS	DEM_CLF_72.SFC	8	3	4735
27	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	ANNUAL	RIDGEWOR	1ST	65.20557	289566.09	4630649	110.69	130	1 YRS	DEM_CLF_72.SFC	8	3	4735
28	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	1-HR	RIDGE100	1ST	1595.52173	289575.69	4630651	109.92	130	72041720	DEM_CLF_72.SFC	8	3	4735
29	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	1-HR	RIDGE100	2ND	1220.31055	289585.19	4630653	109.22	130	72022008	DEM_CLF_72.SFC	8	3	4735
30	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	1-HR	TURBINES	1ST	440.02817	290205.59	4630873.5	95.16	98	72062119	DEM_CLF_72.SFC	8	3	4735
31	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	1-HR	TURBINES	2ND	435.18643	290205.59	4630873.5	95.16	98	72062305	DEM_CLF_72.SFC	8	3	4735
32	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	1-HR	RIDGEWOR	1ST	1024.0625	289585.19	4630653	109.22	130	72120703	DEM_CLF_72.SFC	8	3	4735
33	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	1-HR	RIDGEWOR	2ND	967.3479	289575.69	4630651	109.92	130	72011616	DEM_CLF_72.SFC	8	3	4735
34	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	24-HR	RIDGE100	1ST	551.98779	289621	4630627	113.6	130	72022024	DEM_CLF_72.SFC	8	3	4735
35	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	24-HR	RIDGE100	2ND	401.83853	289634.03	4630628	113.37	130	72121724	DEM_CLF_72.SFC	8	3	4735
36	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	24-HR	TURBINES	1ST	249.61037	290500.25	4630617.5	96.56	108	72121724	DEM_CLF_72.SFC	8	3	4735
37	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	24-HR	TURBINES	2ND	235.01775	290500.25	4630617.5	96.56	108	72032624	DEM_CLF_72.SFC	8	3	4735
38	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	24-HR	RIDGEWOR	1ST	652.38647	289594.81	4630655	108.76	130	72022024	DEM_CLF_72.SFC	8	3	4735
39	AERMOD	Ridgewood Air Toxics DEM_1972_METHANE	METHANE	24-HR	RIDGEWOR	2ND	562.4082	289604.41	4630657	108.45	130	72022024	DEM_CLF_72.SFC	8	3	4735
40	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	ANNUAL	RIDGE100	1ST	0.61533	290488.59	4630570.5	93.89	113	1 YRS	DEM_CLF_72.SFC	1	3	4735
41	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	ANNUAL	TURBINES	1ST	0.61533	290488.59	4630570.5	93.89	113	1 YRS	DEM_CLF_72.SFC	1	3	4735
42	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	ANNUAL	RIDGEWOR	1ST	0.61533	290488.59	4630570.5	93.89	113	1 YRS	DEM_CLF_72.SFC	1	3	4735
43	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	1-HR	RIDGE100	1ST	10.3293	290205.59	4630873.5	95.16	98	72062119	DEM_CLF_72.SFC	1	3	4735
44	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	1-HR	RIDGE100	2ND	10.21564	290205.59	4630873.5	95.16	98	72062305	DEM_CLF_72.SFC	1	3	4735
45	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	1-HR	TURBINES	1ST	10.3293	290205.59	4630873.5	95.16	98	72062119	DEM_CLF_72.SFC	1	3	4735
46	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	1-HR	TURBINES	2ND	10.21564	290205.59	4630873.5	95.16	98	72062305	DEM_CLF_72.SFC	1	3	4735
47	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	1-HR	RIDGEWOR	1ST	10.3293	290205.59	4630873.5	95.16	98	72062119	DEM_CLF_72.SFC	1	3	4735
48	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	1-HR	RIDGEWOR	2ND	10.21564	290205.59	4630873.5	95.16	98	72062305	DEM_CLF_72.SFC	1	3	4735
49	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	24-HR	RIDGE100	1ST	5.8594	290500.25	4630617.5	96.56	108	72121724	DEM_CLF_72.SFC	1	3	4735
50	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	24-HR	RIDGE100	2ND	5.51685	290500.25	4630617.5	96.56	108	72032624	DEM_CLF_72.SFC	1	3	4735
51	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	24-HR	TURBINES	1ST	5.8594	290500.25	4630617.5	96.56	108	72121724	DEM_CLF_72.SFC	1	3	4735
52	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	24-HR	TURBINES	2ND	5.51685	290500.25	4630617.5	96.56	108	72032624	DEM_CLF_72.SFC	1	3	4735
53	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	24-HR	RIDGEWOR	1ST	5.8594	290500.25	4630617.5	96.56	108	72121724	DEM_CLF_72.SFC	1	3	4735
54	AERMOD	Ridgewood Air Toxics DEM_1972_UNIT.US	UNIT	24-HR	RIDGEWOR	2ND	5.51685	290500.25	4630617.5	96.56	108	72032624	DEM_CLF_72.SFC	1	3	4735
55	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	ANNUAL	RIDGE100	1ST	0.02483	289082.12	4630583.5	134.52	138	1 YRS	DEM_CLF_76.SFC	8	3	4735

TABLE E-4
AIR TOXICS MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
56	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	ANNUAL	TURBINES	1ST	0.01528	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	8	3	4735
57	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	ANNUAL	RIDGEWOR	1ST	0.02609	289604.41	4630657	108.45	130	1 YRS	DEM_CLF_76.SFC	8	3	4735
58	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	1-HR	RIDGE100	1ST	0.47915	289604.41	4630657	108.45	130	76121310	DEM_CLF_76.SFC	8	3	4735
59	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	1-HR	RIDGE100	2ND	0.43878	289613.91	4630658.5	108.02	130	76031401	DEM_CLF_76.SFC	8	3	4735
60	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	1-HR	TURBINES	1ST	0.1783	290415.41	4630610.5	95.38	95.38	76072122	DEM_CLF_76.SFC	8	3	4735
61	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	1-HR	TURBINES	2ND	0.17318	290415.41	4630610.5	95.38	95.38	76042319	DEM_CLF_76.SFC	8	3	4735
62	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	1-HR	RIDGEWOR	1ST	0.39743	289575.69	4630651	109.92	130	76011801	DEM_CLF_76.SFC	8	3	4735
63	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	1-HR	RIDGEWOR	2ND	0.3783	289575.69	4630651	109.92	130	76011722	DEM_CLF_76.SFC	8	3	4735
64	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	24-HR	RIDGE100	1ST	0.0823	289629.69	4630653	108.6	130	76031724	DEM_CLF_76.SFC	8	3	4735
65	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	24-HR	RIDGE100	2ND	0.06531	289646	4630658.5	107.59	130	76122124	DEM_CLF_76.SFC	8	3	4735
66	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	24-HR	TURBINES	1ST	0.04844	290479.44	4630674.5	97.26	108	76031724	DEM_CLF_76.SFC	8	3	4735
67	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	24-HR	TURBINES	2ND	0.03956	290500.25	4630617.5	96.56	108	76110124	DEM_CLF_76.SFC	8	3	4735
68	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	24-HR	RIDGEWOR	1ST	0.08649	289566.09	4630649	110.69	130	76102624	DEM_CLF_76.SFC	8	3	4735
69	AERMOD	Ridgewood Air Toxics DEM_1976_H2S.US	H2S	24-HR	RIDGEWOR	2ND	0.07632	289603.91	4630655	108.6	130	76121324	DEM_CLF_76.SFC	8	3	4735
70	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	ANNUAL	RIDGE100	1ST	0.11318	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	8	3	4735
71	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	ANNUAL	TURBINES	1ST	0.10461	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	8	3	4735
72	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	ANNUAL	RIDGEWOR	1ST	0.1689	289604.41	4630657	108.45	130	1 YRS	DEM_CLF_76.SFC	8	3	4735
73	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	1-HR	RIDGE100	1ST	3.29036	289604.41	4630657	108.45	130	76121310	DEM_CLF_76.SFC	8	3	4735
74	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	1-HR	RIDGE100	2ND	3.00391	289613.91	4630658.5	108.02	130	76031401	DEM_CLF_76.SFC	8	3	4735
75	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	1-HR	TURBINES	1ST	1.2205	290415.41	4630610.5	95.38	95.38	76072122	DEM_CLF_76.SFC	8	3	4735
76	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	1-HR	TURBINES	2ND	1.1855	290415.41	4630610.5	95.38	95.38	76042319	DEM_CLF_76.SFC	8	3	4735
77	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	1-HR	RIDGEWOR	1ST	2.76912	289575.69	4630651	109.92	130	76011801	DEM_CLF_76.SFC	8	3	4735
78	AERMOD	Ridgewood Air Toxics DEM_1976_HCL.US	HCL	1-HR	RIDGEWOR	2ND	2.63942	289575.69	4630651	109.92	130	76011722	DEM_CLF_76.SFC	8	3	4735
79	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	ANNUAL	RIDGE100	1ST	58.43962	289082.12	4630583.5	134.52	138	1 YRS	DEM_CLF_76.SFC	8	3	4735
80	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	ANNUAL	TURBINES	1ST	35.9677	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	8	3	4735
81	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	ANNUAL	RIDGEWOR	1ST	64.83347	289613.91	4630658.5	108.02	130	1 YRS	DEM_CLF_76.SFC	8	3	4735
82	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	1-HR	RIDGE100	1ST	1157.40686	289613.91	4630658.5	108.02	130	76031707	DEM_CLF_76.SFC	8	3	4735
83	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	1-HR	RIDGE100	2ND	1080.41736	289613.91	4630658.5	108.02	130	76031401	DEM_CLF_76.SFC	8	3	4735
84	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	1-HR	TURBINES	1ST	419.63846	290415.41	4630610.5	95.38	95.38	76072122	DEM_CLF_76.SFC	8	3	4735
85	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	1-HR	TURBINES	2ND	407.60422	290415.41	4630610.5	95.38	95.38	76042319	DEM_CLF_76.SFC	8	3	4735
86	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	1-HR	RIDGEWOR	1ST	979.81433	289575.69	4630651	109.92	130	76011801	DEM_CLF_76.SFC	8	3	4735
87	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	1-HR	RIDGEWOR	2ND	945.18121	289575.69	4630651	109.92	130	76011722	DEM_CLF_76.SFC	8	3	4735
88	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	24-HR	RIDGE100	1ST	222.73961	289629.69	4630653	108.6	130	76031724	DEM_CLF_76.SFC	8	3	4735
89	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	24-HR	RIDGE100	2ND	169.75372	289646	4630658.5	107.59	130	76122124	DEM_CLF_76.SFC	8	3	4735
90	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	24-HR	TURBINES	1ST	114.01537	290479.44	4630674.5	97.26	108	76031724	DEM_CLF_76.SFC	8	3	4735
91	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	24-HR	TURBINES	2ND	93.10196	290500.25	4630617.5	96.56	108	76110124	DEM_CLF_76.SFC	8	3	4735
92	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	24-HR	RIDGEWOR	1ST	217.49205	289566.09	4630649	110.69	130	76102624	DEM_CLF_76.SFC	8	3	4735
93	AERMOD	Ridgewood Air Toxics DEM_1976_METHANE	METHANE	24-HR	RIDGEWOR	2ND	189.04662	289603.91	4630655	108.6	130	76121324	DEM_CLF_76.SFC	8	3	4735
94	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	ANNUAL	RIDGE100	1ST	0.84431	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	1	3	4735
95	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	ANNUAL	TURBINES	1ST	0.84431	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	1	3	4735
96	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	ANNUAL	RIDGEWOR	1ST	0.84431	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_76.SFC	1	3	4735
97	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	1-HR	RIDGE100	1ST	9.85067	290415.41	4630610.5	95.38	95.38	76072122	DEM_CLF_76.SFC	1	3	4735
98	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	1-HR	RIDGE100	2ND	9.56817	290415.41	4630610.5	95.38	95.38	76042319	DEM_CLF_76.SFC	1	3	4735
99	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	1-HR	TURBINES	1ST	9.85067	290415.41	4630610.5	95.38	95.38	76072122	DEM_CLF_76.SFC	1	3	4735
100	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	1-HR	TURBINES	2ND	9.56817	290415.41	4630610.5	95.38	95.38	76042319	DEM_CLF_76.SFC	1	3	4735
101	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	1-HR	RIDGEWOR	1ST	9.85067	290415.41	4630610.5	95.38	95.38	76072122	DEM_CLF_76.SFC	1	3	4735
102	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	1-HR	RIDGEWOR	2ND	9.56817	290415.41	4630610.5	95.38	95.38	76042319	DEM_CLF_76.SFC	1	3	4735
103	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	24-HR	RIDGE100	1ST	2.67642	290479.44	4630674.5	97.26	108	76031724	DEM_CLF_76.SFC	1	3	4735
104	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	24-HR	RIDGE100	2ND	2.18549	290500.25	4630617.5	96.56	108	76110124	DEM_CLF_76.SFC	1	3	4735
105	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	24-HR	TURBINES	1ST	2.67642	290479.44	4630674.5	97.26	108	76031724	DEM_CLF_76.SFC	1	3	4735
106	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	24-HR	TURBINES	2ND	2.18549	290500.25	4630617.5	96.56	108	76110124	DEM_CLF_76.SFC	1	3	4735
107	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	24-HR	RIDGEWOR	1ST	2.67642	290479.44	4630674.5	97.26	108	76031724	DEM_CLF_76.SFC	1	3	4735
108	AERMOD	Ridgewood Air Toxics DEM_1976_UNIT.US	UNIT	24-HR	RIDGEWOR	2ND	2.18549	290500.25	4630617.5	96.56	108	76110124	DEM_CLF_76.SFC	1	3	4735
109	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	ANNUAL	RIDGE100	1ST	0.02612	289075.66	4630551.5	137.51	137.51	1 YRS	DEM_CLF_80.SFC	8	3	4735
110	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	ANNUAL	TURBINES	1ST	0.01451	290519.41	4630601.5	98.06	108	1 YRS	DEM_CLF_80.SFC	8	3	4735

TABLE E-4
AIR TOXICS MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
111	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	ANNUAL	RIDGEWOR	1ST	0.02732	289594.81	4630655	108.76	130	1 YRS	DEM_CLF_80.SFC	8	3	4735
112	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	1-HR	RIDGE100	1ST	0.66135	289556.59	4630647	110.67	130	80010516	DEM_CLF_80.SFC	8	3	4735
113	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	1-HR	RIDGE100	2ND	0.54656	289566.09	4630649	110.69	130	80010516	DEM_CLF_80.SFC	8	3	4735
114	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	1-HR	TURBINES	1ST	0.18221	290379.19	4630621	94.93	94.93	80061602	DEM_CLF_80.SFC	8	3	4735
115	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	1-HR	TURBINES	2ND	0.17742	290379.19	4630621	94.93	94.93	80081620	DEM_CLF_80.SFC	8	3	4735
116	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	1-HR	RIDGEWOR	1ST	0.40755	289585.19	4630653	109.22	130	80123020	DEM_CLF_80.SFC	8	3	4735
117	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	1-HR	RIDGEWOR	2ND	0.39297	289566.09	4630649	110.69	130	80011602	DEM_CLF_80.SFC	8	3	4735
118	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	24-HR	RIDGE100	1ST	0.18086	289607.97	4630628	113.37	130	80111124	DEM_CLF_80.SFC	8	3	4735
119	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	24-HR	RIDGE100	2ND	0.15155	288963.69	4630575.5	135.17	149	80033124	DEM_CLF_80.SFC	8	3	4735
120	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	24-HR	TURBINES	1ST	0.11304	290479.44	4630674.5	97.26	108	80031524	DEM_CLF_80.SFC	8	3	4735
121	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	24-HR	TURBINES	2ND	0.09596	290427.91	4630589	93.8	97	80111124	DEM_CLF_80.SFC	8	3	4735
122	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	24-HR	RIDGEWOR	1ST	0.24148	289556.59	4630647	110.67	130	80011524	DEM_CLF_80.SFC	8	3	4735
123	AERMOD	Ridgewood Air Toxics DEM_1980_H2S.US	H2S	24-HR	RIDGEWOR	2ND	0.21694	289566.09	4630649	110.69	130	80010524	DEM_CLF_80.SFC	8	3	4735
124	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	ANNUAL	RIDGE100	1ST	0.10826	289041.31	4630573	132.81	138	1 YRS	DEM_CLF_80.SFC	8	3	4735
125	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	ANNUAL	TURBINES	1ST	0.0993	290519.41	4630601.5	98.06	108	1 YRS	DEM_CLF_80.SFC	8	3	4735
126	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	ANNUAL	RIDGEWOR	1ST	0.17855	289594.81	4630655	108.76	130	1 YRS	DEM_CLF_80.SFC	8	3	4735
127	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	1-HR	RIDGE100	1ST	4.53588	289556.59	4630647	110.67	130	80010516	DEM_CLF_80.SFC	8	3	4735
128	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	1-HR	RIDGE100	2ND	3.74387	289566.09	4630649	110.69	130	80010516	DEM_CLF_80.SFC	8	3	4735
129	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	1-HR	TURBINES	1ST	1.24727	290379.19	4630621	94.93	94.93	80061602	DEM_CLF_80.SFC	8	3	4735
130	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	1-HR	TURBINES	2ND	1.21452	290379.19	4630621	94.93	94.93	80081620	DEM_CLF_80.SFC	8	3	4735
131	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	1-HR	RIDGEWOR	1ST	2.8394	289585.19	4630653	109.22	130	80123020	DEM_CLF_80.SFC	8	3	4735
132	AERMOD	Ridgewood Air Toxics DEM_1980_HCL.US	HCL	1-HR	RIDGEWOR	2ND	2.7432	289566.09	4630649	110.69	130	80011602	DEM_CLF_80.SFC	8	3	4735
133	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	ANNUAL	RIDGE100	1ST	61.4053	289075.66	4630551.5	137.51	137.51	1 YRS	DEM_CLF_80.SFC	8	3	4735
134	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	ANNUAL	TURBINES	1ST	34.14338	290519.41	4630601.5	98.06	108	1 YRS	DEM_CLF_80.SFC	8	3	4735
135	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	ANNUAL	RIDGEWOR	1ST	66.87109	289594.81	4630655	108.76	130	1 YRS	DEM_CLF_80.SFC	8	3	4735
136	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	1-HR	RIDGE100	1ST	1620.42737	289556.59	4630647	110.67	130	80010516	DEM_CLF_80.SFC	8	3	4735
137	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	1-HR	RIDGE100	2ND	1362.46069	289566.09	4630649	110.69	130	80010516	DEM_CLF_80.SFC	8	3	4735
138	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	1-HR	TURBINES	1ST	428.84409	290379.19	4630621	94.93	94.93	80061602	DEM_CLF_80.SFC	8	3	4735
139	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	1-HR	TURBINES	2ND	417.58432	290379.19	4630621	94.93	94.93	80081620	DEM_CLF_80.SFC	8	3	4735
140	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	1-HR	RIDGEWOR	1ST	1005.73846	289566.09	4630649	110.69	130	80010518	DEM_CLF_80.SFC	8	3	4735
141	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	1-HR	RIDGEWOR	2ND	986.5011	289566.09	4630649	110.69	130	80011602	DEM_CLF_80.SFC	8	3	4735
142	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	24-HR	RIDGE100	1ST	476.38321	289646	4630658.5	107.59	130	80031524	DEM_CLF_80.SFC	8	3	4735
143	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	24-HR	RIDGE100	2ND	369.7211	289621	4630602	119.14	130	80111224	DEM_CLF_80.SFC	8	3	4735
144	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	24-HR	TURBINES	1ST	266.04788	290479.44	4630674.5	97.26	108	80031524	DEM_CLF_80.SFC	8	3	4735
145	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	24-HR	TURBINES	2ND	225.84454	290427.91	4630589	93.8	97	80111124	DEM_CLF_80.SFC	8	3	4735
146	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	24-HR	RIDGEWOR	1ST	606.99457	289556.59	4630647	110.67	130	80011524	DEM_CLF_80.SFC	8	3	4735
147	AERMOD	Ridgewood Air Toxics DEM_1980_METHANE	METHANE	24-HR	RIDGEWOR	2ND	540.66266	289566.09	4630649	110.69	130	80010524	DEM_CLF_80.SFC	8	3	4735
148	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	ANNUAL	RIDGE100	1ST	0.80149	290519.41	4630601.5	98.06	108	1 YRS	DEM_CLF_80.SFC	1	3	4735
149	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	ANNUAL	TURBINES	1ST	0.80149	290519.41	4630601.5	98.06	108	1 YRS	DEM_CLF_80.SFC	1	3	4735
150	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	ANNUAL	RIDGEWOR	1ST	0.80149	290519.41	4630601.5	98.06	108	1 YRS	DEM_CLF_80.SFC	1	3	4735
151	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	1-HR	RIDGE100	1ST	10.06676	290379.19	4630621	94.93	94.93	80061602	DEM_CLF_80.SFC	1	3	4735
152	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	1-HR	RIDGE100	2ND	9.80245	290379.19	4630621	94.93	94.93	80081620	DEM_CLF_80.SFC	1	3	4735
153	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	1-HR	TURBINES	1ST	10.06676	290379.19	4630621	94.93	94.93	80061602	DEM_CLF_80.SFC	1	3	4735
154	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	1-HR	TURBINES	2ND	9.80245	290379.19	4630621	94.93	94.93	80081620	DEM_CLF_80.SFC	1	3	4735
155	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	1-HR	RIDGEWOR	1ST	10.06676	290379.19	4630621	94.93	94.93	80061602	DEM_CLF_80.SFC	1	3	4735
156	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	1-HR	RIDGEWOR	2ND	9.80245	290379.19	4630621	94.93	94.93	80081620	DEM_CLF_80.SFC	1	3	4735
157	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	24-HR	RIDGE100	1ST	6.24526	290479.44	4630674.5	97.26	108	80031524	DEM_CLF_80.SFC	1	3	4735
158	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	24-HR	RIDGE100	2ND	5.30152	290427.91	4630589	93.8	97	80111124	DEM_CLF_80.SFC	1	3	4735
159	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	24-HR	TURBINES	1ST	6.24526	290479.44	4630674.5	97.26	108	80031524	DEM_CLF_80.SFC	1	3	4735
160	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	24-HR	TURBINES	2ND	5.30152	290427.91	4630589	93.8	97	80111124	DEM_CLF_80.SFC	1	3	4735
161	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	24-HR	RIDGEWOR	1ST	6.24526	290479.44	4630674.5	97.26	108	80031524	DEM_CLF_80.SFC	1	3	4735
162	AERMOD	Ridgewood Air Toxics DEM_1980_UNIT.US	UNIT	24-HR	RIDGEWOR	2ND	5.30152	290427.91	4630589	93.8	97	80111124	DEM_CLF_80.SFC	1	3	4735
163	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	ANNUAL	RIDGE100	1ST	0.02818	289050	4630547	136.43	136.43	1 YRS	DEM_CLF_84.SFC	8	3	4735
164	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	ANNUAL	TURBINES	1ST	0.01312	290327.91	4630487	89	89	1 YRS	DEM_CLF_84.SFC	8	3	4735
165	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	ANNUAL	RIDGEWOR	1ST	0.03191	289566.09	4630649	110.69	130	1 YRS	DEM_CLF_84.SFC	8	3	4735

TABLE E-4
AIR TOXICS MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
166	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	1-HR	RIDGE100	1ST	0.50577	289566.09	4630649	110.69	130	84033001	DEM_CLF_84.SFC	8	3	4735
167	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	1-HR	RIDGE100	2ND	0.40066	289564.66	4630627.5	112.66	130	84030907	DEM_CLF_84.SFC	8	3	4735
168	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	1-HR	TURBINES	1ST	0.18502	290387.75	4630597.5	93.64	93.64	84061120	DEM_CLF_84.SFC	8	3	4735
169	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	1-HR	TURBINES	2ND	0.1774	290524.88	4630796.5	104.81	104.81	84072402	DEM_CLF_84.SFC	8	3	4735
170	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	1-HR	RIDGEWOR	1ST	0.39685	289575.69	4630651	109.92	130	84022417	DEM_CLF_84.SFC	8	3	4735
171	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	1-HR	RIDGEWOR	2ND	0.37912	289575.69	4630651	109.92	130	84111408	DEM_CLF_84.SFC	8	3	4735
172	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	24-HR	RIDGE100	1ST	0.19029	289518.31	4630639.5	108.37	130	84032924	DEM_CLF_84.SFC	8	3	4735
173	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	24-HR	RIDGE100	2ND	0.15146	288963.69	4630575.5	135.17	149	84081224	DEM_CLF_84.SFC	8	3	4735
174	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	24-HR	TURBINES	1ST	0.11036	290293.16	4630565	89.22	89.22	84060124	DEM_CLF_84.SFC	8	3	4735
175	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	24-HR	TURBINES	2ND	0.09869	290288.84	4630540.5	89	99	84031924	DEM_CLF_84.SFC	8	3	4735
176	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	24-HR	RIDGEWOR	1ST	0.24233	289566.09	4630649	110.69	130	84060124	DEM_CLF_84.SFC	8	3	4735
177	AERMOD	Ridgewood Air Toxics DEM_1984_H2S.US	H2S	24-HR	RIDGEWOR	2ND	0.22755	289566.09	4630649	110.69	130	84031924	DEM_CLF_84.SFC	8	3	4735
178	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	ANNUAL	RIDGE100	1ST	0.13703	288983.19	4630578.5	133.17	149	1 YRS	DEM_CLF_84.SFC	8	3	4735
179	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	ANNUAL	TURBINES	1ST	0.08978	290327.91	4630487	89	89	1 YRS	DEM_CLF_84.SFC	8	3	4735
180	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	ANNUAL	RIDGEWOR	1ST	0.21374	289566.09	4630649	110.69	130	1 YRS	DEM_CLF_84.SFC	8	3	4735
181	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	1-HR	RIDGE100	1ST	3.46654	289566.09	4630649	110.69	130	84033001	DEM_CLF_84.SFC	8	3	4735
182	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	1-HR	RIDGE100	2ND	2.7414	289564.66	4630627.5	112.66	130	84030907	DEM_CLF_84.SFC	8	3	4735
183	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	1-HR	TURBINES	1ST	1.2665	290387.75	4630597.5	93.64	93.64	84061120	DEM_CLF_84.SFC	8	3	4735
184	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	1-HR	TURBINES	2ND	1.21438	290524.88	4630796.5	104.81	104.81	84072402	DEM_CLF_84.SFC	8	3	4735
185	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	1-HR	RIDGEWOR	1ST	2.7699	289566.09	4630649	110.69	130	84021619	DEM_CLF_84.SFC	8	3	4735
186	AERMOD	Ridgewood Air Toxics DEM_1984_HCL.US	HCL	1-HR	RIDGEWOR	2ND	2.64483	289575.69	4630651	109.92	130	84111408	DEM_CLF_84.SFC	8	3	4735
187	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	ANNUAL	RIDGE100	1ST	66.16908	289050	4630547	136.43	136.43	1 YRS	DEM_CLF_84.SFC	8	3	4735
188	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	ANNUAL	TURBINES	1ST	30.869	290327.91	4630487	89	89	1 YRS	DEM_CLF_84.SFC	8	3	4735
189	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	ANNUAL	RIDGEWOR	1ST	79.4302	289566.09	4630649	110.69	130	1 YRS	DEM_CLF_84.SFC	8	3	4735
190	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	1-HR	RIDGE100	1ST	1247.37769	289566.09	4630649	110.69	130	84033001	DEM_CLF_84.SFC	8	3	4735
191	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	1-HR	RIDGE100	2ND	1009.7829	289564.66	4630627.5	112.66	130	84030907	DEM_CLF_84.SFC	8	3	4735
192	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	1-HR	TURBINES	1ST	435.45587	290387.75	4630597.5	93.64	93.64	84061120	DEM_CLF_84.SFC	8	3	4735
193	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	1-HR	TURBINES	2ND	417.53543	290524.88	4630796.5	104.81	104.81	84072402	DEM_CLF_84.SFC	8	3	4735
194	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	1-HR	RIDGEWOR	1ST	1005.6015	289566.09	4630649	110.69	130	84021619	DEM_CLF_84.SFC	8	3	4735
195	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	1-HR	RIDGEWOR	2ND	946.65265	289575.69	4630651	109.92	130	84111408	DEM_CLF_84.SFC	8	3	4735
196	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	24-HR	RIDGE100	1ST	479.01465	289518.31	4630639.5	108.37	130	84032924	DEM_CLF_84.SFC	8	3	4735
197	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	24-HR	RIDGE100	2ND	359.87643	288983.19	4630578.5	133.17	149	84021624	DEM_CLF_84.SFC	8	3	4735
198	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	24-HR	TURBINES	1ST	259.74121	290293.16	4630565	89.22	89.22	84060124	DEM_CLF_84.SFC	8	3	4735
199	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	24-HR	TURBINES	2ND	232.26959	290288.84	4630540.5	89	99	84031924	DEM_CLF_84.SFC	8	3	4735
200	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	24-HR	RIDGEWOR	1ST	616.09631	289566.09	4630649	110.69	130	84060124	DEM_CLF_84.SFC	8	3	4735
201	AERMOD	ewood Air Toxics DEM_1984_METHANE	METHANE	24-HR	RIDGEWOR	2ND	576.10016	289566.09	4630649	110.69	130	84031924	DEM_CLF_84.SFC	8	3	4735
202	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	ANNUAL	RIDGE100	1ST	0.72462	290327.91	4630487	89	89	1 YRS	DEM_CLF_84.SFC	1	3	4735
203	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	ANNUAL	TURBINES	1ST	0.72462	290327.91	4630487	89	89	1 YRS	DEM_CLF_84.SFC	1	3	4735
204	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	ANNUAL	RIDGEWOR	1ST	0.72462	290327.91	4630487	89	89	1 YRS	DEM_CLF_84.SFC	1	3	4735
205	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	1-HR	RIDGE100	1ST	10.22197	290387.75	4630597.5	93.64	93.64	84061120	DEM_CLF_84.SFC	1	3	4735
206	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	1-HR	RIDGE100	2ND	9.8013	290524.88	4630796.5	104.81	104.81	84072402	DEM_CLF_84.SFC	1	3	4735
207	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	1-HR	TURBINES	1ST	10.22197	290387.75	4630597.5	93.64	93.64	84061120	DEM_CLF_84.SFC	1	3	4735
208	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	1-HR	TURBINES	2ND	9.8013	290524.88	4630796.5	104.81	104.81	84072402	DEM_CLF_84.SFC	1	3	4735
209	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	1-HR	RIDGEWOR	1ST	10.22197	290387.75	4630597.5	93.64	93.64	84061120	DEM_CLF_84.SFC	1	3	4735
210	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	1-HR	RIDGEWOR	2ND	9.8013	290524.88	4630796.5	104.81	104.81	84072402	DEM_CLF_84.SFC	1	3	4735
211	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	24-HR	RIDGE100	1ST	6.09721	290293.16	4630565	89.22	89.22	84060124	DEM_CLF_84.SFC	1	3	4735
212	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	24-HR	RIDGE100	2ND	5.45234	290288.84	4630540.5	89	99	84031924	DEM_CLF_84.SFC	1	3	4735
213	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	24-HR	TURBINES	1ST	6.09721	290293.16	4630565	89.22	89.22	84060124	DEM_CLF_84.SFC	1	3	4735
214	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	24-HR	TURBINES	2ND	5.45234	290288.84	4630540.5	89	99	84031924	DEM_CLF_84.SFC	1	3	4735
215	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	24-HR	RIDGEWOR	1ST	6.09721	290293.16	4630565	89.22	89.22	84060124	DEM_CLF_84.SFC	1	3	4735
216	AERMOD	idgewood Air Toxics DEM_1984_UNIT.US	UNIT	24-HR	RIDGEWOR	2ND	5.45234	290288.84	4630540.5	89	99	84031924	DEM_CLF_84.SFC	1	3	4735
217	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	ANNUAL	RIDGE100	1ST	0.02427	289075	4630578.5	134.86	138	1 YRS	DEM_CLF_88.SFC	8	3	4735
218	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	ANNUAL	TURBINES	1ST	0.01366	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_88.SFC	8	3	4735
219	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	ANNUAL	RIDGEWOR	1ST	0.0253	289604.41	4630657	108.45	130	1 YRS	DEM_CLF_88.SFC	8	3	4735
220	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	1-HR	RIDGE100	1ST	0.49929	289556.59	4630647	110.67	130	88081803	DEM_CLF_88.SFC	8	3	4735

TABLE E-4
AIR TOXICS MODELING RESULTS

	Model	File	Pol	Average	Group	Rank	Conc.	East(X)	North(Y)	Elev	Hill	Time	Met File	Sources	Groups	Rec.
221	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	1-HR	RIDGE100	2ND	0.42241	289566.09	4630649	110.69	130	88060601	DEM_CLF_88.SFC	8	3	4735
222	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	1-HR	TURBINES	1ST	0.18278	290379.19	4630621	94.93	94.93	88072101	DEM_CLF_88.SFC	8	3	4735
223	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	1-HR	TURBINES	2ND	0.18186	290440.38	4630628	96.67	96.67	88081520	DEM_CLF_88.SFC	8	3	4735
224	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	1-HR	RIDGEWOR	1ST	0.406	289575.69	4630651	109.92	130	88010822	DEM_CLF_88.SFC	8	3	4735
225	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	1-HR	RIDGEWOR	2ND	0.39942	289566.09	4630649	110.69	130	88010901	DEM_CLF_88.SFC	8	3	4735
226	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	24-HR	RIDGE100	1ST	0.15967	289586.81	4630608	117.1	130	88041024	DEM_CLF_88.SFC	8	3	4735
227	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	24-HR	RIDGE100	2ND	0.15449	288963.69	4630575.5	135.17	149	88040624	DEM_CLF_88.SFC	8	3	4735
228	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	24-HR	TURBINES	1ST	0.11552	290481.12	4630633.5	96.5	108	88032124	DEM_CLF_88.SFC	8	3	4735
229	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	24-HR	TURBINES	2ND	0.09798	290512.59	4630857	99.59	107	88081024	DEM_CLF_88.SFC	8	3	4735
230	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	24-HR	RIDGEWOR	1ST	0.26657	289575.69	4630651	109.92	130	88041024	DEM_CLF_88.SFC	8	3	4735
231	AERMOD	Ridgewood Air Toxics DEM_1988_H2S.US	H2S	24-HR	RIDGEWOR	2ND	0.1862	289575.69	4630651	109.92	130	88121124	DEM_CLF_88.SFC	8	3	4735
232	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	ANNUAL	RIDGE100	1ST	0.10265	289041.31	4630573	132.81	138	1 YRS	DEM_CLF_88.SFC	8	3	4735
233	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	ANNUAL	TURBINES	1ST	0.09348	290544.41	4630637	104.42	104.42	1 YRS	DEM_CLF_88.SFC	8	3	4735
234	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	ANNUAL	RIDGEWOR	1ST	0.16451	289604.41	4630657	108.45	130	1 YRS	DEM_CLF_88.SFC	8	3	4735
235	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	1-HR	RIDGE100	1ST	3.41917	289556.59	4630647	110.67	130	88081803	DEM_CLF_88.SFC	8	3	4735
236	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	1-HR	RIDGE100	2ND	2.89225	289566.09	4630649	110.69	130	88060601	DEM_CLF_88.SFC	8	3	4735
237	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	1-HR	TURBINES	1ST	1.25117	290379.19	4630621	94.93	94.93	88072101	DEM_CLF_88.SFC	8	3	4735
238	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	1-HR	TURBINES	2ND	1.24491	290440.38	4630628	96.67	96.67	88081520	DEM_CLF_88.SFC	8	3	4735
239	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	1-HR	RIDGEWOR	1ST	2.83378	289575.69	4630651	109.92	130	88010822	DEM_CLF_88.SFC	8	3	4735
240	AERMOD	Ridgewood Air Toxics DEM_1988_HCL.US	HCL	1-HR	RIDGEWOR	2ND	2.78631	289566.09	4630649	110.69	130	88010901	DEM_CLF_88.SFC	8	3	4735

APPENDIX F

VISCREEN MODEL OUTPUT

Appendix F

Visual Effects Screening Analysis for
Source: RI Central Genco
Class I Area: Lye Brook

*** Level-1 Screening ***

Input Emissions for

Particulates	44.00	TON/YR
NOx (as NO2)	162.10	TON/YR
Primary NO2	.00	TON/YR
Soot	.00	TON/YR
Primary SO4	4.50	TON/YR

**** Default Particle Characteristics Assumed

Transport Scenario Specifications:

Background Ozone:	.04 ppm
Background Visual Range:	40.00 km
Source-Observer Distance:	190.00 km
Min. Source-Class I Distance:	185.00 km
Max. Source-Class I Distance:	195.00 km
Plume-Source-Observer Angle:	11.25 degrees
Stability:	6
Wind Speed:	1.00 m/s

R E S U L T S

Asterisks (*) indicate plume impacts that exceed screening criteria

Maximum Visual Impacts INSIDE Class I Area
Screening Criteria ARE NOT Exceeded

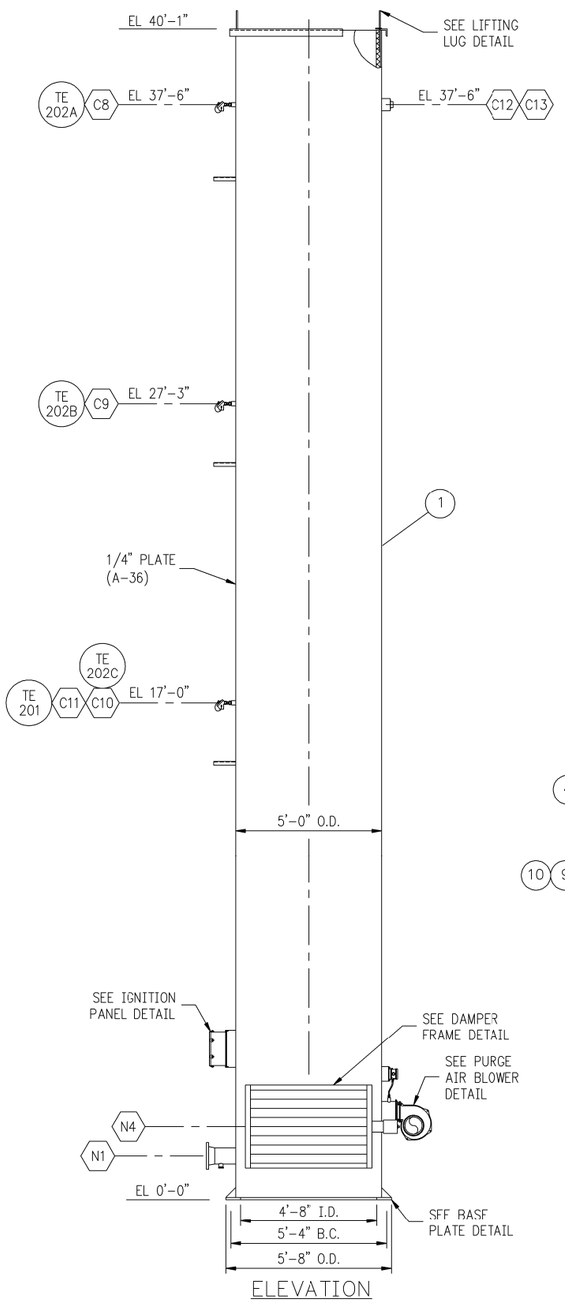
					Delta E		Contrast	
Backgrnd	Theta	Azi	Distance	Alpha	Crit	Plume	Crit	Plume
SKY	10.	77.	185.0	92.	2.00	.003	.05	.000
SKY	140.	77.	185.0	92.	2.00	.001	.05	.000
TERRAIN	10.	77.	185.0	92.	2.00	.000	.05	.000
TERRAIN	140.	77.	185.0	92.	2.00	.000	.05	.000

Maximum Visual Impacts OUTSIDE Class I Area
Screening Criteria ARE NOT Exceeded

					Delta E		Contrast	
Backgrnd	Theta	Azi	Distance	Alpha	Crit	Plume	Crit	Plume
SKY	10.	75.	183.9	94.	2.00	.003	.05	.000
SKY	140.	75.	183.9	94.	2.00	.001	.05	.000
TERRAIN	10.	60.	173.8	109.	2.00	.000	.05	.000
TERRAIN	140.	60.	173.8	109.	2.00	.000	.05	.000

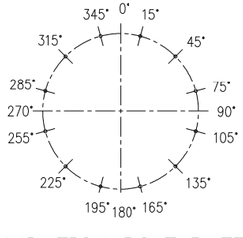
APPENDIX G

FLARE DRAWINGS

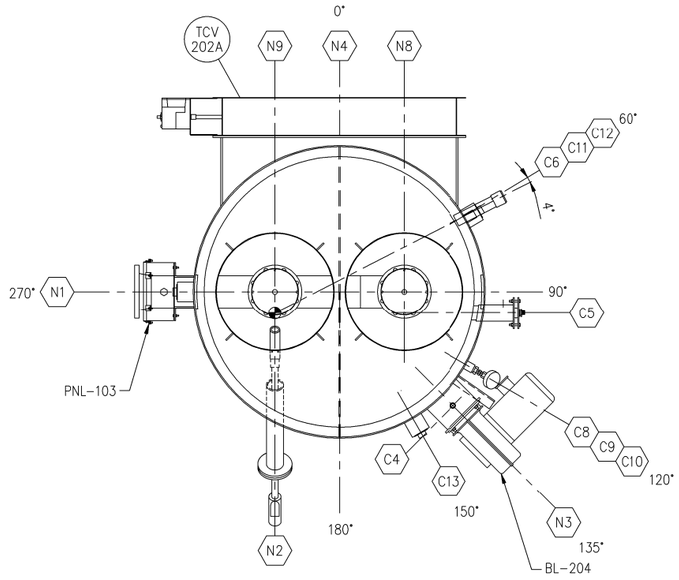


ELEVATION

NOT TRUE ORIENTATION

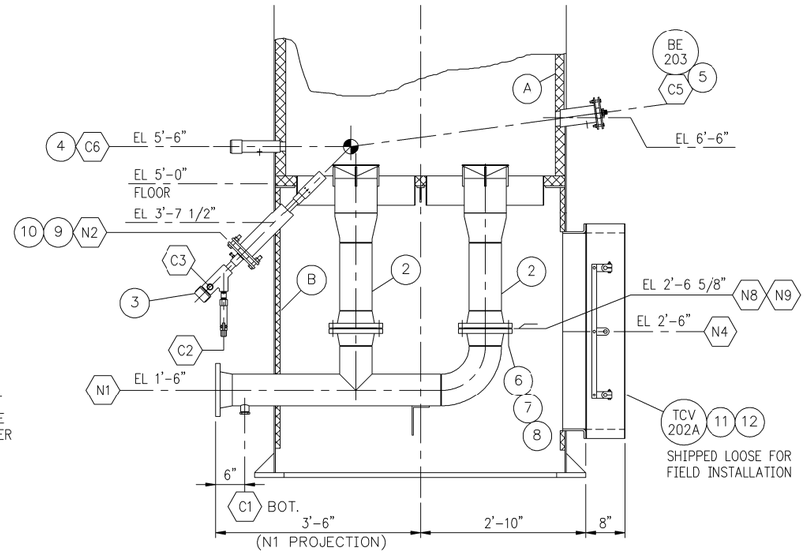


FOUNDATION BOLT PATTERN



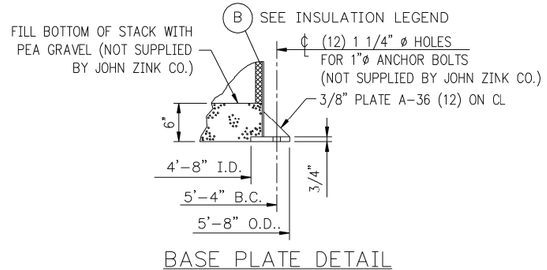
PLAN VIEW

TRUE ORIENTATION

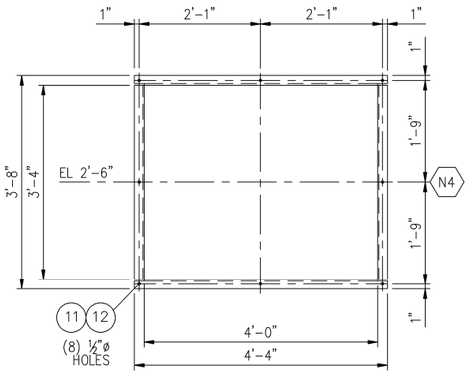


PARTIAL SECTIONAL ELEVATION

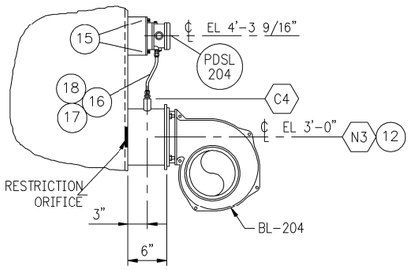
NOT TRUE ORIENTATION



BASE PLATE DETAIL

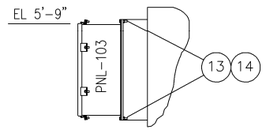


DAMPER FRAME DETAIL



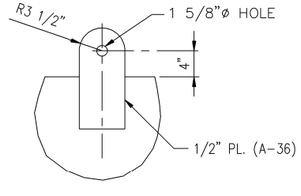
PURGE AIR BLOWER DETAIL

SHIPPED LOOSE FOR FIELD INSTALLATION



IGNITION PANEL DETAIL

SHIPPED LOOSE FOR FIELD INSTALLATION



LIFTING LUG DETAIL

(2 REQ'D. LOCATED AT 90° AND 270°)

(NOTE: CUT OFF LUGS AFTER STACK ERECTION)

PARTS LIST

ITEM	QTY	DESCRIPTION	MK: NO	MATERIAL
1	1	ENCLOSED ZTOF FLARE	B-701-1	
2	2	8"/6" FLARE TIP	D-705-1	
3	1	PILOT ASSEMBLY	B-302-1	
4	1	2" SIGHT PORT	CA-ST-0600	
5	1	SWIVEL SCANNER MOUNT ASSEMBLY	ST11065-1	
6	2	GASKET: 6" 150# RF x 1/16" THK	G6-150-R	NON-ASB
7	16	BOLT, STUD: 3/4-NC x 4" LG (PLATED)	SB-6-4	A-193-B7
8	32	NUT, HVY HEX: 3/4-10NC (PLATED)	SN-6	A-194-2H
9	4	BOLT, HEX HD: 5/8" x 2 1/2" LG (PLATED)	HB-5-2 1/2	A-307
10	4	NUT, REG HEX: 5/8-11NC (PLATED)	HN-5	A-307
11	8	BOLT, HEX HD: 3/8" x 1 1/4" LG (PLATED)	HB-3-1 1/4	A-307
12	12	NUT, REG HEX: 3/8-16NC (PLATED)	HN-3	A-307
13	4	BOLT, HEX HD: 1/4" x 1" LG (PLATED)	HB-2-1	A-307
14	4	NUT, REG HEX: 1/4-20NC (PLATED)	HN-2	A-307
15	2	SCREW, HEX HD MACH: #10-24NC x 3/4" LG (PLATED)	HCS-#10-3/4	A-307
16	1	3/8" COPPER TUBING x 1'-0" LG		COPPER
17	1	MALE CONNECTOR, 1/8" NPT x 3/8" TUBING		BRASS
18	1	MALE ELBOW CONNECTOR, 1/2" NPT x 3/8" TUBING		BRASS
19	1 GAL	ZINC CLAD II #B69VZW3 (TOUCH UP PAINT)		PAINT

NOZZLE LEGEND

MK	QTY	DESCRIPTION
N1	1	GAS CONNECTION: 6" 150# F.F.
N2	1	PILOT MTG CONN: 3/8" PLATE FLG W/ 3" 150# DRILLING
N3	1	BLOWER - 8" CONN 10" O.D. x 3/8" PL W/ (4) 3/8" STUDS ON 9 1/8" B.C.
N4	1	DAMPER CONN - SEE DETAIL
N8-N9	2	FLARE TIP CONN - 6" 150# RF
C1	1	DRAIN - 1" FNPT WITH PLUG
C2	1	PILOT GAS CONN - 1/2" FNPT
C3	1	PILOT CONDUIT CONN - 1/2" FNPT
C4	1	PURGE AIR PRESSURE CONN - 1/2" FNPT
C5	1	SCANNER CONN - 1/2" MNPT
C6	1	SIGHT PORT - 2" MNPT
C8-11	4	THERMOCOUPLE CONN - 1" FNPT
C12-13	2	SAMPLE PORT 4" FNPT WITH PLUG

DESIGN DATA

WINDLOAD (PER ASCE 7-95, EXP. C)	110 M.P.H.
SEISMIC (PER UBC-1994)	ZONE 4
SHEAR @ BASE	8.0 K
MOMENT @ BASE	145.0 K-FT
DEADLOAD	10.5 K
SHELL DESIGN TEMPERATURE	500° F
CORROSION ALLOWANCE	0.0

LIFTING NOTES

A: MAIN CRANE AT TOP REQUIRES SPREADER BAR, (NOT SUPPLIED BY JOHN ZINK CO.)
B: CHOKE STACK AT APPROX. 5'-0" EL WITH TAILING CRANE
C: LIFTING LUGS DESIGNED FOR 13 1/2 TON CROSBY ANCHOR SHACKLE AND VERTICAL SLINGS.

INSULATION LEGEND

A: (1) OVERLAPPING LAYER OF 1" THICK 8 LB DENSITY, 2300° F. BACKED WITH (1) LAYER, 1" THICK 6 LB DENSITY, 2300° F. ON INCONEL PINS AND KEEPERS.
B: (1) OVERLAPPING LAYER OF 1" THICK 6 LB DENSITY, 2300° F. ON INCONEL PINS AND KEEPERS.

GENERAL NOTES

1. TAG NUMBERS TO BE PRECEDED BY JOHN ZINK SHOP ORDER NUMBER.
2. FLARE ASSEMBLY IS NOT TO BE USED AS AN ANCHOR POINT FOR CUSTOMER PIPING.
3. PRE-TENSION ANCHOR BOLTS BY THE "TURN OF THE NUT" METHOD/AISC.
4. BOLT HOLES TO STRADDLE NORMAL CENTER LINES UNLESS NOTED.
5. FINISH EXTERIOR CARBON STEEL, INSIDE OF SKIRT, BOTTOM OF FLOOR PLATE, AND MANIFOLD. SANDBLAST PER SSPC-SP-6 AND PRIME WITH SHERWIN WILLIAMS ZINC CLAD II HS #B69VZ3 (3-4 MILS D.F.T.)

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NO.	REVISION DESCRIPTION	BY	CK.	APP.	DATE

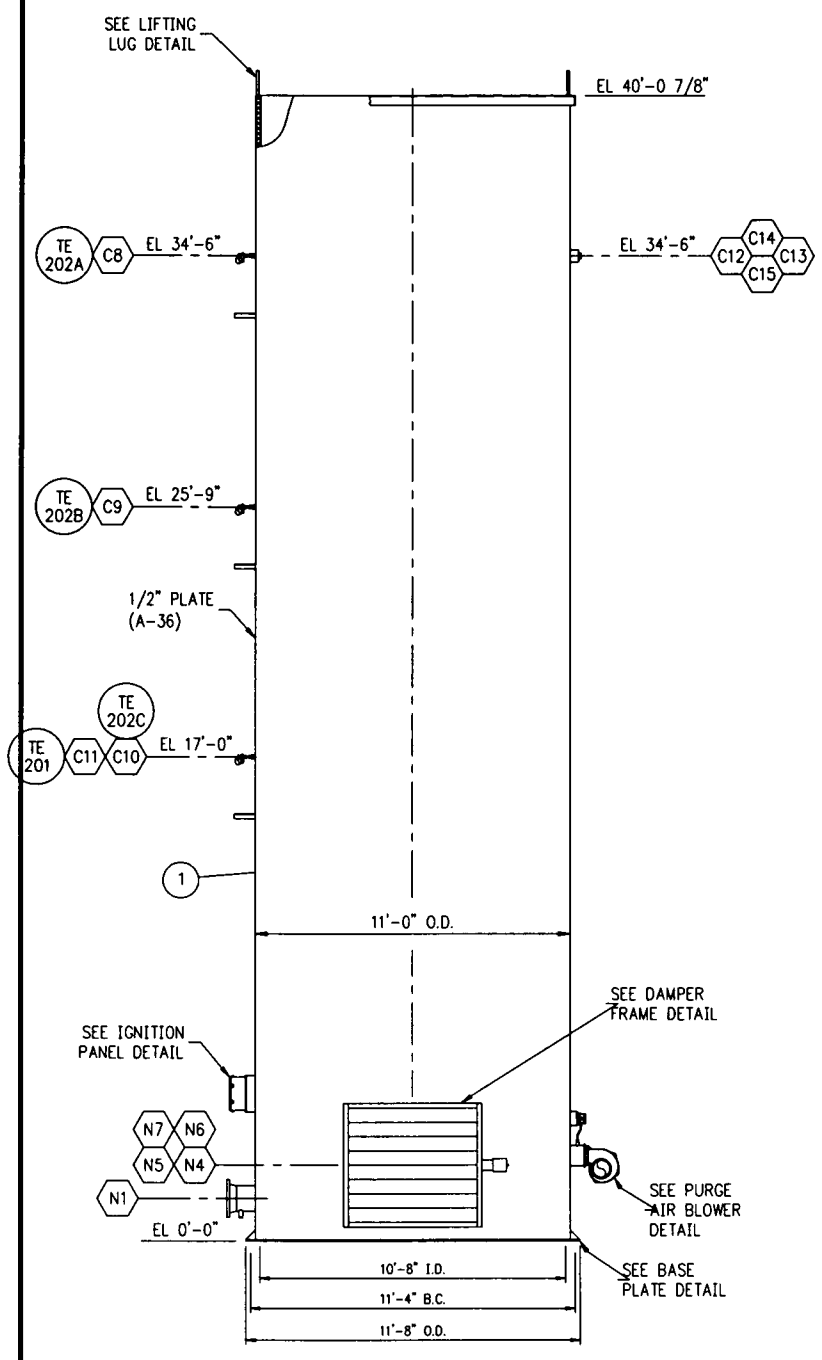
FOR:
USER:
JOBSITE:
S.O. NO.
P.O. NO.
DR. SAM DATE:
CK. DATE:
APP. DATE:

JOHN ZINK
JOHN ZINK COMPANY LLC
PARTS AND SERVICE, CALL 1-800-755-4252 FAX (918) 234-1968

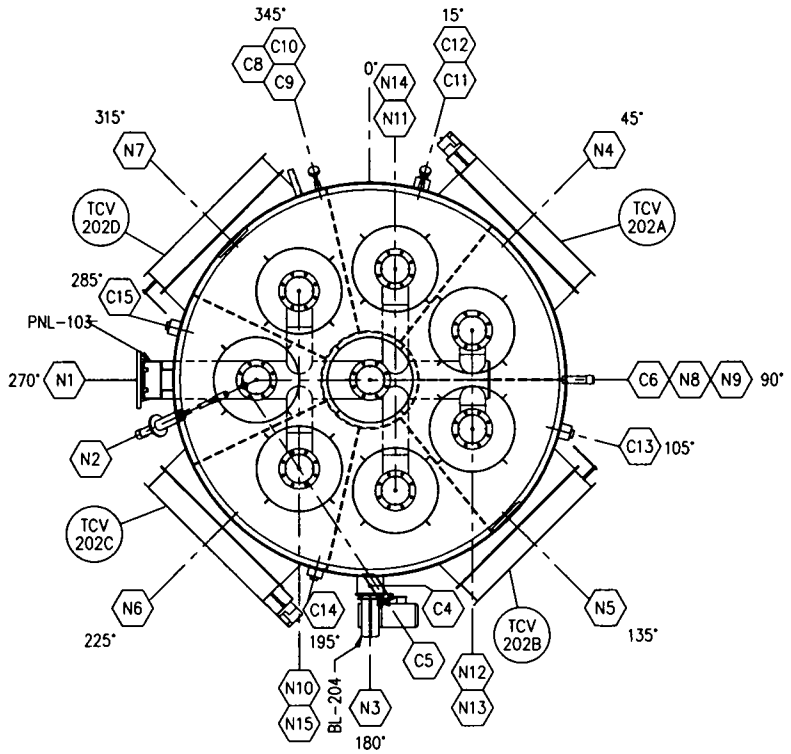
ENCLOSED ZTOF FLARE
5'-0" O.D. x 40' H.

CERTIFIED DATE:

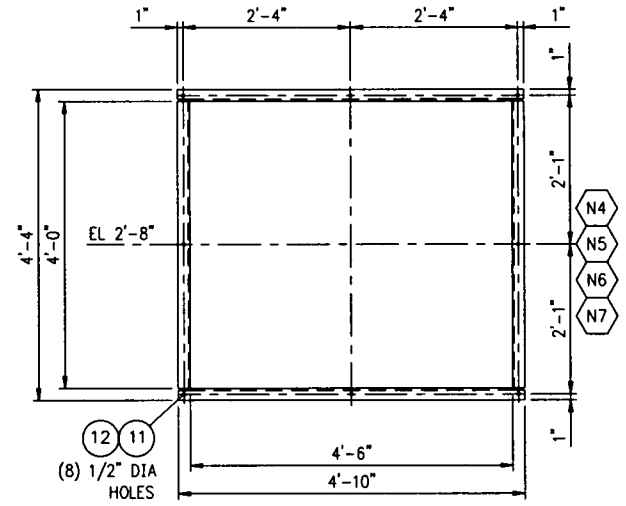
DRAWING NUMBER B-F-9XXXXXX-301 REV 0
SCALE 1 of 1



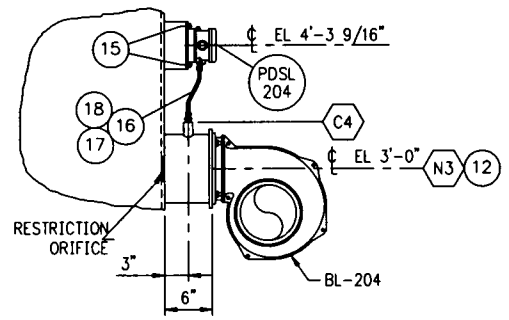
ELEVATION
NOT TRUE ORIENTATION



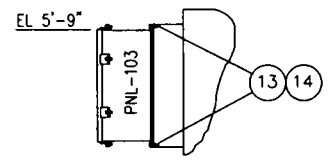
PLAN VIEW
TRUE ORIENTATION



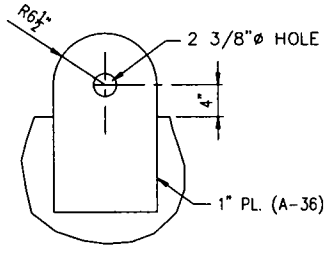
DAMPER FRAME DETAIL



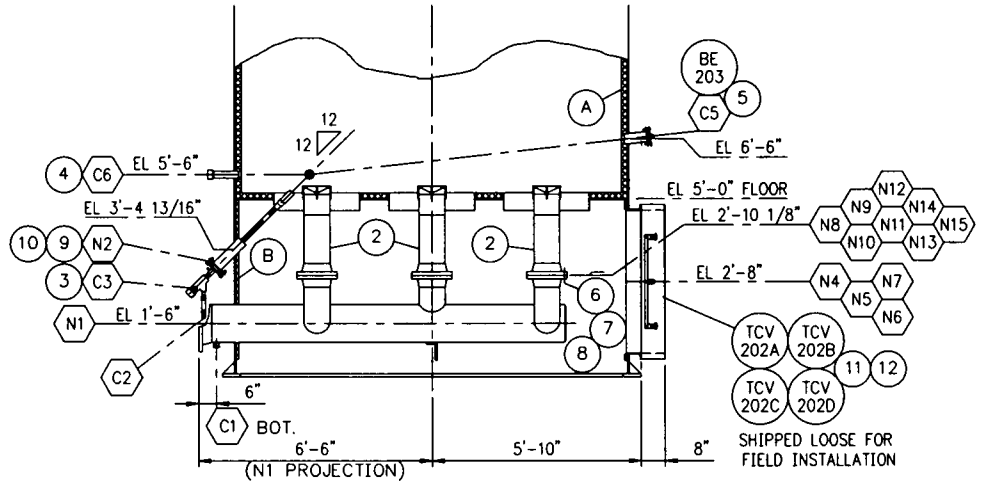
PURGE AIR BLOWER DETAIL
SHIPPED LOOSE FOR FIELD INSTALLATION



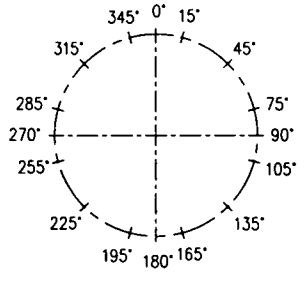
IGNITION PANEL DETAIL
SHIPPED LOOSE FOR FIELD INSTALLATION



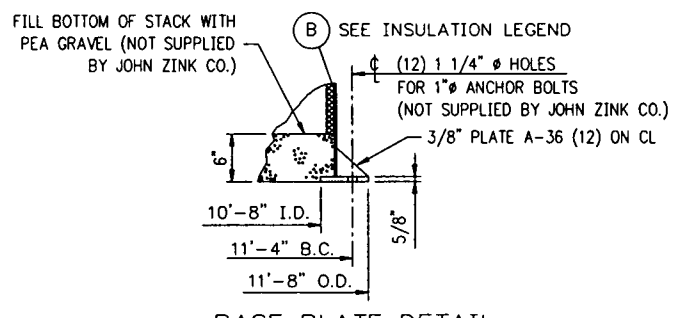
LIFTING LUG DETAIL
(2 REQ'D. LOCATED AT 135° AND 315°)
(NOTE: CUT OFF LUGS AFTER STACK ERECTION)



PARTIAL SECTIONAL ELEVATION
NOT TRUE ORIENTATION



FOUNDATION BOLT PATTERN



BASE PLATE DETAIL

PARTS LIST

ITEM	QTY	DESCRIPTION	MK: NO	MATERIAL
1	1	ENCLOSED ZTOF FLARE	B-701-1	
2	8	8" FLARE TIP	D-ST-1329-1	
3	1	PILOT ASSEMBLY	B-302-1	
4	1	2" SIGHT PORT	CA-ST-0600	
5	1	SWIVEL SCANNER MOUNT ASSEMBLY	ST11065-1	
6	8	GASKET: 8" 150# RF x 1/16" THK	G8-150-R	NON-ASB
7	64	BOLT, STUD: 3/4-NC x 4 1/2" LG (PLATED)	SB-6-4 1/2	A-193-B7
8	128	NUT, HVY HEX: 3/4-11NC (PLATED)	SN-6	A-194-2H
9	4	BOLT, HEX HD: 5/8" x 2 1/2" LG (PLATED)	HB-5-2 1/2	A-307
10	4	NUT, REG HEX: 5/8-11NC (PLATED)	HN-5	A-307
11	32	BOLT, HEX HD: 3/8" x 1 1/4" LG (PLATED)	HB-3-1 1/4	A-307
12	36	NUT, REG HEX: 3/8-NC (PLATED)	HN-3	A-307
13	4	BOLT, HEX HD: 1/4" x 1" LG (PLATED)	HB-2-1	A-307
14	4	NUT, REG HEX: 1/4-20NC (PLATED)	HN-2	A-307
15	2	SCREW, HEX HD MACH: #10-24NC x 3/4" LG (PLATED)	HCS-#10-3/4	A-307
16	1	3/8" COPPER TUBING x 1'-0" LG		COPPER
17	1	MALE CONNECTOR, 1/8" NPT x 3/8" TUBING		BRASS
18	1	MALE ELBOW CONNECTOR, 1/2" NPT x 3/8" TUBING		BRASS
19	1 GAL	ZINC CLAD II HS #B69VZ3 (TOUCH UP PAINT)		PAINT

NOZZLE LEGEND

MK	QTY	DESCRIPTION
N1	1	GAS CONNECTION: 12" 150# F.F.
N2	1	PILOT MTG CONN: 3/8" PLATE FLG W/ 3" 150# DRILLING
N3	1	BLOWER - 8" CONN 10" O.D. x 3/8" PL W/ (4) 3/8" STUDS ON 9 1/8" B.C.
N4-7	4	DAMPER CONN - SEE DETAIL
N8-15	8	FLARE TIP CONN - 8" 150# RF
C1	1	DRAIN - 1" FNPT WITH PLUG
C2	1	PILOT GAS CONN - 1/2" FNPT
C3	1	PILOT CONDUIT CONN - 1/2" FNPT
C4	1	PURGE AIR PRESSURE CONN - 1/2" FNPT
C5	1	SCANNER CONN - 1/2" MNPT
C6	1	SIGHT PORT - 2" MNPT
C8-11	4	THERMOCOUPLE CONN - 1" FNPT
C12-15	4	SAMPLE PORT 4" FNPT WITH PLUG

DESIGN DATA

WINDLOAD (PER ASCE 7-95, EXP. C)	110 M.P.H.
SEISMIC (PER UBC-1994)	ZONE 4
SHEAR @ BASE	13.0 K
MOMENT @ BASE	310.0 K-FT
DEADLOAD	37.0 K
SHELL DESIGN TEMPERATURE	500° F
CORROSION ALLOWANCE	0.0

LIFTING NOTES

A: MAIN CRANE AT TOP REQUIRES SPREADER BAR, (NOT SUPPLIED BY JOHN ZINK CO.)
B: CHOKE STACK AT APPROX. 5'-0" EL WITH TAILING CRANE
C: LIFTING LUGS DESIGNED FOR 35 TON CROSBY ANCHOR SHACKLE AND VERTICAL SLINGS.

INSULATION LEGEND

A: (1) OVERLAPPING LAYER OF 1" THICK 8 LB DENSITY, 2300° F. BACKED WITH (1) LAYER, 1" THICK 6 LB DENSITY, 2300° F. ON INCONEL PINS AND KEEPERS.
B: (1) OVERLAPPING LAYER OF 1" THICK 6 LB DENSITY, 2300° F. ON INCONEL PINS AND KEEPERS.

GENERAL NOTES

1. TAG NUMBERS TO BE PRECEDED BY JOHN ZINK SALES ORDER NUMBER.
2. FLARE ASSEMBLY IS NOT TO BE USED AS AN ANCHOR POINT FOR CUSTOMER PIPING.
3. PRE-TENSION ANCHOR BOLTS BY THE "TURN OF THE NUT" METHOD/AISC.
4. BOLT HOLES TO STRADDLE NORMAL CENTER LINES UNLESS NOTED.
5. FINISH EXTERIOR CARBON STEEL, INSIDE OF SKIRT, BOTTOM OF FLOOR PLATE, AND MANIFOLD. SANDBLAST PER SSPC-SP-6 AND PRIME WITH SHERWIN WILLIAMS ZINC CLAD II HS #B69VZ3 (3-4 MILS D.F.T.)

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NO.	REVISION DESCRIPTION	BY	CK.	APP.	DATE

FOR:
USER:
JOBSITE:
S.O. NO.
P.O. NO.
DR. DATE:
CK. DATE:
APP. DATE:

JOHN ZINK
JOHN ZINK COMPANY LLC
PARTS AND SERVICE, CALL 1-800-755-4252 FAX (918) 234-1968

ENCLOSED ZTOF FLARE
11'-0" O.D. x 40' H.

CERTIFIED
DATE:

DRAWING NUMBER B-F-9XXXXXX-301
REV. 0
SCALE 1 of 1

File Name: r:\standard\p-repo\bf\dlo\11x40\301slo0.dwg Plot Date: 3/15/2007 10:12 AM