Appendix B

B.1 SJVAPCD Air Quality Mitigation Agreement

B.2 Concurrence Letter

B.3 Supplemental Air Quality Data (attached CD)

B.1 SJVAPCD Air Quality Mitigation Agreement

AIR QUALITY MITIGATION AGREEMENT

This Air Quality Mitigation Agreement ("***Agreement***") is entered into on this 21st day of September, 2006 by and between CASTLE & COOKE CALIFORNIA, INC., a California corporation ("***Developer***") and the SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, an air pollution control district formed pursuant to California Health and Safety Code section 40150, et seq. ("***District***").

RECITALS

WHEREAS, Developer is presently seeking governmental approval of land use entitlements ("***Entitlements***") which will permit the development of its Gateway Village Project located in the County of Madera, California, as more particularly described on Exhibit A attached hereto (the "***Project***"); and

WHEREAS, the Project incorporates the design features specified on Exhibit B attached hereto ("***Emission Reduction Design Features***"), in order to significantly reduce the air quality impacts associated with the Project; and

WHEREAS, despite incorporation of the Emission Reduction Design Features, without mitigation, the Project would cause impacts on air quality within the geographical boundaries of the San Joaquin Valley Unified Air Pollution Control District, as depicted on Exhibit C attached hereto (the "***District Boundaries***"); and

WHEREAS, Developer anticipates that mitigation of impacts on air quality resulting from the Project will be either required as a condition to the approval of Developer's Entitlements, or voluntarily imposed by Developer as a means of reducing such impacts; and

WHEREAS, Developer desires to fully comply with all requirements of the California Environmental Quality Act codified at California Public Resources Code section 21000, et seq. ("***CEQA***"), including all requirements relating to the mitigation of air quality impacts arising from or in connection with the Project; and

WHEREAS, District is an air pollution control district formed by the counties of Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus and Tulare, pursuant to California Health and Safety Code section 40150, et seq.; and

WHEREAS, District is responsible for developing and implementing air quality control measures within the District Boundaries, including air quality control measures for stationary sources, transportation sources, and indirect sources; and

WHEREAS, District has determined that with appropriate funding, District can bring about a reduction of emissions from certain projects in types and in sufficient quantities to fully mitigate the net air quality criteria pollutant impacts of the Project as quantified in the Verified Air Quality Assessment (as defined in Section 2.2 below) ("***Project's Air Impact***"); and

WHEREAS, Developer and District desire to enter into this Agreement in order to develop and implement air quality control measures which will fully mitigate the Project's Air Impact to the extent that the development of such Project will result in no net increase in criteria pollutant emissions over the criteria pollutant emissions which would otherwise exist without the development thereof.

AGREEMENT

NOW THEREFORE, in exchange of the mutual covenants herein contained, Developer and District hereby agree as follows:

1. **Emission Reduction by Developer and District.**

1.1. **Emission Reduction Proposals.** Developer shall identify and propose to District opportunities for the reduction of emissions to fully mitigate Project's Air Impact, including but not limited to opportunities for removal or retrofitting of stationary, transportation, indirect, and/or mobile pollution source equipment, and/or other opportunities therefor (each, an "***Emission Reduction Proposal***"). Each Emission Reduction Proposal shall be submitted in writing to the District, using District approved forms, and shall contain a representation by Developer that the owner/operator of the identified Pollution Source Equipment has expressed interest in entering into a written funding agreement with District in District's then standard form to District ("***Funding Agreement***") requiring the removal or replacement of the identified equipment with new equipment under District's "Heavy Duty Engine Emission Reduction Incentive Program", or another emission reduction program adopted by District ("***District Emission Reduction Program***").

1.2. **District's Verification of Emission Reduction.** As quickly as practicable upon Developer's submission to District of an Emission Reduction Proposal, District shall determine the types and quantities of permanent reduction in emissions which would be realized by the proposed removal or retrofit and shall advise Developer of such determination in writing ("Emission Reduction Verification") thereby verifying that in District's considered opinion the removal or retrofits proposed in the Emission Reduction Proposal would result in

permanent emission reduction in the locality of the Project in the types and quantities so determined by District.

1.3. **Emission Reduction Proposal Advance.** Developer shall advance to District, on the date of submittal of each Developer's Emission Reduction Proposal, a monetary sum equal to the total estimated cost (as specified in each Developer's Emission Reduction Proposal), until sufficient advance is received by the District to fully mitigate the Project's Air Impact ("***Emission Reduction Proposal Advance***") .

1.4. **Funding Agreements.** As soon as practicable after District's receipt of Developer's Emission Reduction Proposal Advance, District shall use diligent efforts to enter into Funding Agreements with the owners and/or operators of the pollution source equipment identified in Developer's Emission Reduction Proposal, thereby providing for the removal and/or retrofit of all of such Pollution Source Equipment, and providing for District's payment (from the Emission Reduction Proposal Advance) to such owner or operator, of an amount equal to the estimated cost of such opportunity, as specified in Developer's Emission Reduction Proposals. District shall use diligent efforts to enter into Funding Agreements with all of the owners or operators identified in Developer's Emission Reduction Proposals within ninety (90) days following District's receipt of a complete Emission Reduction Proposal and the Emission Reduction Proposal Advance from the Developer.

1.5. **Use of Emission Reduction Proposal Advance.** District shall use the Emission Reduction Proposal Advance to meet its monetary obligations under the Funding Agreements that District shall enter into with the owners of the Pollution Source Equipment identified in Developer's Emission Reduction Proposals.

1.6. **Use of Unused Portions of Emission Reduction Proposal Advance.** In the event Developer is unable to submit to District Emission Reduction Proposals providing for emission reduction in the types and quantities necessary to fully mitigate the Project's Air Impact, or in the event District is unable to enter into Funding Agreements with any of the owners or operators identified in Developer's Emission Reduction Proposals, District shall notify Developer in writing of the additional emission reductions needed to fully mitigate the Project's Air Impact, and Developer shall have a reasonable time, not to exceed one hundred eighty (180) days within which to submit to District additional or supplemental Emission Reduction Proposals in order to provide the necessary additional emission reduction.

1.7. **Unused Advance / Emission Reduction Shortfall / Additional Payment.**

1.7.1. **Unused Advance.** If, despite District's diligent efforts to enter into Funding Agreements with all of the owners or operators identified in Developer's Emission Reduction Proposals (and, if applicable, supplemental Emission Reduction Proposals submitted by Developer), District is unable to enter into Funding Agreements sufficient to fully mitigate the Project's air impact, then District shall use any unused portion of Developer's Emission Reduction Proposal Advance to fund emission reduction opportunities to mitigate the balance of the Project's Air Impact at District's actual cost of doing so, provided that such actual costs shall not exceed the costs set forth in the following Emission Reduction Cost Schedule:

Emission Reduction Cost Schedule		
Year Paid	NOx or ROG ($/ton)	PM10 ($/ton)
2006	$32,500	$29,070
2007	$49,700	$55,940
2008	$65,450	$90,110
Beyond	Prevailing Costs	Prevailing Costs

District is of the considered opinion that the emission reductions listed in the above schedule can be achieved at the corresponding times and costs shown in said schedule.

1.7.2. **Emission Reduction Shortfall/Additional Payment.** In the event the emission reduction brought about by the Funding Agreements entered into between District and the owners or operators identified in Developer's Emission Reduction Proposals (and, if applicable supplemental Emission Reduction Proposals), and that brought about pursuant to Section 1.7.1 above, are not sufficient to fully mitigate the Project's Air Impact (Emission Reduction Shortfall), then Developer shall be credited for the emission reduction brought about as a result of Funding Agreements entered into between the District and the owners or operators identified in Developer's Emission Reduction Proposals and for the emission reduction brought about pursuant to Section 1.7.1 above, and Developer thereafter shall deposit with District, within 30 days of receiving notice of the Emission Reduction Shortfall from the District, an additional amount equal to the product of (i) the District's cost per ton of emission reduction as shown in the Emission Reduction Cost Schedule set forth in Section 1.7.1 above, multiplied by (ii) the total number of tons of emission reduction necessary to fully mitigate the Project's Air Impact less the total number of tons of emission reduction so credited to Developer. In the event District's actual costs associated with mitigating the balance of the Project's Air Impact is less than the amounts deposited with the District for such purpose, then District shall promptly refund to Developer the unused portion of Developer's deposited funds. However, in no case shall the amount paid to the District be less than that amount that would be required for this Project according to Rule 9510, Indirect Source Review, under Section 7, "Off-site Emission Reduction Fee Calculations and Fee Schedules".

1.8. **Surplus Mitigation.** In addition to the amounts payable under paragraph 1.3, Developer shall deliver to District an additional sum equal to five percent (5%) of the Emission Reduction Proposal Advance. Said additional sum shall be paid under the same schedule as set forth in paragraph 1.3. District shall utilize such additional sum to fund further localized emission reduction opportunities in quantities consistent with the schedule set forth in paragraph 1.7.1.

1.9. **Time of Use.** The time of use of the emission reductions brought about by this Agreement shall be the date Developer receives final approval of the Project from all applicable Governmental Authorities.

1.10. **District's Obligation.** The monies paid by Developer under this Agreement shall be used by the District to obtain localized emission reductions in the types and quantities necessary to fully mitigate the Project's Air Impact as quantified in the Verified Air Quality Assessment. If necessary, District shall assist Developer in securing emission reductions, consistent with the provisions established in Section 1.7.2.

2. **CEQA Compliance/Full Mitigation.** For and in exchange of Developer's payment of funds pursuant to Section 1 above, District shall ensure, by way of entering into, funding and enforcing the Funding Agreements in accordance with the provisions of Section 1.4 above and causing surplus mitigation in accordance with Section 1.8 above, that the Project's Air Impact is fully mitigated, such that the Project, combined with the emission reductions brought about in accordance with Section 1 above, shall result in no net increase in air quality impacts over those air quality impacts which would otherwise exist without the development of such Project. In addition, District shall ensure that surplus emission reductions are brought about in accordance with Section 1.8 above. The emission reductions required for full mitigation will be based on the average annual construction and the peak annual area source and mobile source emissions of NOx, ROG, and PM10 less the average annual emissions that have occurred at the project site during the three years prior to release of the Notice of Preparation. In addition to entering into, funding and enforcing the Funding Agreements in accordance with the provisions of Section 1.4 above and causing surplus mitigation in accordance with Section 1.8 above, District shall do all of the following:

2.1. **District's Verification of Air Assessment Protocol.** Following the execution of this Agreement, Developer shall submit to District an air assessment protocol prepared by Developer's air quality consultant reflecting the methodology, including air quality impact modeling, to be utilized in the preparation of the air quality assessment for the Project. Within twenty-one (21) days following District's receipt of Developer's complete air assessment protocol,

District shall review and comment upon such air assessment protocol, and, after Developer's incorporation of any and all revisions suggested by District, District shall verify in writing to Developer the correctness of the air assessment protocol which will be utilized in the preparation of the air quality assessment for the Project.

2.2. **District's Verification of Air Quality Assessment.** Following District's Verification of Air Assessment Protocol, Developer shall submit to District an air quality assessment prepared by Developer's air quality consultant assessing the air quality impacts of the Project. District shall use its best efforts to review and comment upon Developer's air quality assessment within thirty (30) days following District's receipt of Developer's complete air quality assessment, and, after Developer's incorporation of any and all revisions suggested by District, District shall verify in writing to Developer the correctness of the air quality assessment to be utilized in connection with the CEQA documents for the Project, including (i) the methodology utilized in the preparation of the CEQA document, (ii) the types and quantities of any net air quality impacts associated with the Project, (iii) the appropriateness of the mitigation measures proposed in the CEQA document, and (iv) any other matters which may pertain to such CEQA document and/or any air quality impacts or air quality mitigation measures referenced therein (the "***Verified Air Quality Assessment***").

2.3. **District's Verification of Administrative Draft Environmental Impact Report.** Upon request by Developer, and submission by Developer to District of any administrative Draft Environmental Impact Report, or other applicable CEQA documents for the Project, District shall review, comment upon and, after incorporation of any and all revisions made by District, verify in writing to Developer the correctness of all portions thereof which pertain to air quality impacts, including, (i) the methodology utilized in the preparation of the CEQA document, (ii) the types and quantities of any net air quality impacts associated with the Project, (iii) the appropriateness of the mitigation measures proposed in the CEQA document, and (iv) any other matters which may pertain to such CEQA document and/or any air quality impacts or air quality mitigation measures referenced therein.

2.4. **District's Acknowledgment Regarding Full Mitigation.** At such time as District is provided an opportunity as a commenting agency to comment upon the Draft Environmental Impact Report and Final Environmental Impact Report for the Project, District shall comment in writing as to the correctness of all portions thereof which pertain to air quality impacts, including (i) the methodology utilized in the preparation of the CEQA document, (ii) the types and quantities of any net air quality impacts associated with the Project, (iii) the appropriateness of the mitigation measures proposed in the CEQA document, and (iv) any other matters which may pertain to such CEQA document and/or any air quality impacts or air quality mitigation measures referenced therein.

District shall at all times fully perform its duties and obligations as a commenting agency, and the provisions of this Section 2.4 shall not be interpreted to the contrary. At such time as the District has entered into Funding Agreements pursuant to Section 1.4 above and the owners/operators of equipment to be removed and/or replaced under such agreements have removed and replaced such equipment in accordance with the provisions thereof, District shall verify in writing to Developer and to the lead agency that full mitigation of the Project's Air Impact has been achieved, upon successful fulfillment of all Funding Agreements. District shall ensure that the owners/operators of equipment to be removed and/or replaced pursuant to such Funding Agreements perform all obligations to be performed on the part of such parties under said Funding Agreements.

2.5. **District's Oversight of Air Quality Mitigation Monitoring Plan.** Upon request of the lead agency having jurisdiction over the Project, District shall oversee that portion of the mitigation monitoring plan adopted by the lead agency for the Project which relates to the mitigation brought about by Section 1 of this Agreement. Alternatively, upon request of the lead agency having jurisdiction over the Project, District shall cooperate with the lead agency in the oversight of that portion of the mitigation monitoring plan adopted by the lead agency for the Project which relates to the mitigation brought about by Section 1 of this Agreement.

2.6. **District's Documentation, Record Keeping and Monitoring.** District shall document, keep adequate records on and monitor the emission reduction brought about as a result of this Agreement, and shall from time to time, upon written request by Developer or by the lead agency for the Project, provide to Developer or to the lead agency written reports verifying that emission reduction has been and/or is being brought about so as to fully mitigate the Project's Air Impact.

3. **Subsequent Litigation, Legislation and/or Administrative Action / Credit to Developer.**

3.1.1. **Subsequent Litigation.** In the event that despite this Agreement, Developer is required as a result of a final judgment or District Approved Settlement in any subsequent third party litigation, to pay monies in addition to the monies to be paid by Developer pursuant to Section 1 above, then, provided that the project total emissions are the same as quantified in the Verified Air Quality Assessment, District shall acknowledge and credit Developer with mitigation of the air quality impacts of the Project in such types and quantities that Developer can establish, to the reasonable satisfaction of District, will result from Developer's payment of such additional monies, and shall reduce any amounts thereafter payable by Developer under this Agreement by an amount equal to the additional monies so paid by Developer. This requirement

shall not apply if the additional monies are required to mitigate emissions that exceed those set forth in the Verified Air Quality Assessment. For purposes of this Section 3.1.1, a "***District Approved Settlement***" shall mean a settlement of a lawsuit filed pursuant to CEQA, the National Environmental Protection Act or other applicable environmental law which (i) provides for Developer's payment of monies in exchange for a dismissal of such lawsuit, (ii) provides for the use of such monies by the petitioner in such lawsuit in such a manner as to mitigate adverse air quality impacts of the Project, and (iii) is approved in writing by District.

3.1.2. **District Rule 9510.** The performance of Developer's and District's obligations under this Agreement will fully mitigate the Project's Air Impact. Inasmuch as the mitigation provided under this Agreement exceeds the mitigation which would otherwise have been provided under Sections 6.0 and 7.0 of District's Rule 9510, and the Project's mitigated baseline (being zero emissions) is less than the threshold stated in Section 4.3 of said Rule 9510, the Project is exempt from Sections 6.0 and 7.0 of District's Rule 9510. Accordingly, no off-site Emission Reduction Fee will be required in connection with the approval or development of the Project. For each individual project developed at the project site requiring a discretionary approval by the lead agency, Developer shall provide District with a map or diagram indicating its location within the area covered by this agreement.

4. **Term of Agreement.** This Agreement shall be effective upon the date first written above, and shall terminate upon District's meeting its obligation to implement projects that provide necessary emissions reductions to fully mitigate the Project's Air Impact (the "***Term***"). Developer may, at any time prior to the approval of the Project by all applicable Governmental Authorities, by written notice to District, terminate this Agreement, whereupon, (i) District shall acknowledge in writing to the lead agency that Developer has mitigated air quality impacts of the Project to the extent and in the types and quantities brought about by Funding Agreements theretofore funded by Developer's Emission Reduction Proposal Advance (and if applicable pursuant to Section 1.7.1 above), (ii) District shall refund to Developer any unused portion of Developer's Emission Reduction Proposal Advance less any unpaid administrative fees incurred; and (iii) neither Developer nor District shall have any further rights or obligations under this Agreement.

5. **Payment of Administrative Fees to District.** Developer agrees to pay to District, in order to reimburse District for its general overhead required for the administration of this Agreement, an administrative fee ("***ERIP Fee***") in an amount equal to four percent (4%) of the Emission Reduction Proposal Advance. Such ERIP Fee shall be due and payable upon Developer's delivery of the Emission Reduction Proposal Advance pursuant to Section 1.3 above. In addition to the ERIP Fee, Developer agrees to pay to District, within thirty (30)

days following Developer's receipt of District's invoice, administrative fees to reimburse District for staff time spent and materials used by District in the administration of this Agreement, including review, verification and preparation of documents, and staff time relating to the performance of District's obligations hereunder, based on a time and materials basis at District's average weighted labor rates.

6. Representations, Covenants and Warranties.

6.1. **Developer's Representations, Covenants and Warranties.** Developer represents, covenants and warrants to District, as of the date of this Agreement, and as of the date of Developer's submission to District of any documents contemplated hereunder, as follows:

6.1.1. The undersigned representatives of Developer are duly authorized to execute, deliver and perform this Agreement, and upon Developer's execution and delivery of this Agreement, this Agreement will have been duly authorized by Developer.

6.1.2. Upon execution and delivery of this Agreement by Developer, Developer's obligations under this Agreement shall be legal, valid and binding obligations of Developer, duly enforceable at law and in equity in accordance with the terms and conditions of this Agreement.

6.1.3. There is no lawsuit, legal action, arbitration, legal or administrative proceeding, legislative or quasi-legislative action or claim existing, pending, threatened or anticipated which would render all or any portion of this Agreement invalid, void or unenforceable in accordance with the terms and conditions thereof.

6.1.4. Other than the execution and delivery of this Agreement by the undersigned representatives of Developer, there are no approvals, consents, confirmations, proceedings, or other actions required by Developer or any third party, entity or agency in order to enter into and carry out the terms, conditions and intent of the parties with respect to this Agreement.

6.2. **District's Representations, Covenants and Warranties.** District represents, covenants and warrants to Developer, as of the date of this Agreement, and as of the date of District's delivery to Developer of any documents contemplated hereunder, as follows:

6.2.1. The undersigned representatives of District are duly authorized to execute, deliver and perform this Agreement, and upon District's

execution and delivery of this Agreement, this Agreement will have been duly authorized by District.

6.2.2. Upon execution and delivery of this Agreement by District, District's obligations under this Agreement shall be legal, valid and binding obligations of District, duly enforceable at law and in equity in accordance with the terms and conditions of this Agreement.

6.2.3. There is no lawsuit, legal action, arbitration, legal or administrative proceeding, legislative, quasi-legislative or administrative action or claim existing, pending, threatened or anticipated which would render all or any portion of this Agreement invalid, void or unenforceable in accordance with the terms and conditions thereof.

6.2.4. Other than the execution and delivery of this Agreement by the undersigned representatives of District, there are no approvals, consents, confirmations, proceedings, or other actions required by District or any third party, entity or agency in order to enter into and carry out the terms, conditions and intent of the parties with respect to this Agreement.

6.2.5. No lawsuit, legal action, arbitration, legal or administrative proceeding, legislative or quasi-legislative action or claim existing, pending, threatened or anticipated will render invalid, void or unenforceable any right or benefit Developer is to receive under the terms and conditions of this Agreement.

6.2.6. The monies paid by Developer under this Agreement shall be sufficient to ensure that the emission reduction contemplated by this Agreement shall occur, and District shall utilize such monies in such a manner as to ensure that such emission reduction shall occur.

6.2.7. Upon the approval of this Agreement by the governing board of District, the Air Pollution Control Officer of District, or equivalent representative, or a delegee of such officer, shall have the authority to approve, deliver, verify, enter into, acknowledge and/or accept any communication, notice, notification, verification, agreement and/or other document to be issued or entered into by District under the terms and conditions of this Agreement, without further approval of the governing board of District.

7. **Indemnification.** Developer agrees to indemnify, defend and hold harmless District for, from and in connection with any third party claims, losses and/or liabilities arising from or in connection with District's performance of this Agreement, excluding only such claims, losses and/or liabilities which result from or in connection with District's sole negligence, act or omission.

8. **Inurement.** Developer's rights and obligations under this Agreement, or applicable portions thereof, shall run with the land encompassed by the Project, and shall inure to the benefit of and be binding upon the heirs, successors and assigns of Developer who take title to such lands or applicable portions thereof. Upon Developer's conveyance of all or any portion of the lands encompassed by Project, the rights and obligations of Developer under this Agreement shall, to the extent applicable to the lands so conveyed, be transferred to the transferee thereof, and Developer shall thereupon be released by District from, all obligations and liabilities so assigned, except for such obligations and liabilities arising prior to such transfer.

9. **Assignment.** Developer shall have the right to assign all or any part of its rights and/or obligations under this Agreement. Upon any such assignment, Developer shall deliver to District a written assignment and assumption agreement specifying the fact and extent of the assignment, the name and address of the assignee, and the assignee's assumption of all obligations of Developer thereby assigned. Developer shall have the right to assign all or any part of its rights and/or obligations under this Agreement to a third party for use in connection with the mitigation of air quality impacts resulting from one or more projects other than the Project, so long as (i) the project is located within the District Boundaries, (ii) the air quality impacts of such project(s) will in fact be mitigated, as verified by District, by the emission reductions brought about by this Agreement, and (iii) the project(s) consist of residential, commercial, industrial and/or mixed use real estate projects which incorporate the Emission Reduction Design Features. Upon any such assignment by Developer, District shall enter into an amendment of this Agreement which acknowledges the assignment and conforms the various provisions of this Agreement as may be required to be conformed in order to provide to the assignee the rights and benefits of this Agreement as if such assignee and its project were the original party and project contemplated in this Agreement.

10. **Recitals Incorporated.** The recitals set forth hereinabove are hereby incorporated into this Agreement and acknowledged, agreed to and adopted by the parties to this Agreement.

11. **Further Assurances.** Developer and District agree to execute and deliver any documents and/or perform any acts which are reasonably necessary in order to carry out the intent of the parties with respect to this Agreement.

12. **No Joint Venture or Partnership**. District and Developer agree that nothing contained in this Agreement or in any document executed in connection with this Agreement shall be construed as making District and Developer joint ventures or partners.

13. **Notices**. Any notices or communications relating to this Agreement shall be given in writing and shall be deemed sufficiently given and served for all purposes when delivered, if (a) in person, (b) by facsimile (with the original delivered by other means set forth in this Section 13), (c) by generally recognized overnight courier or (d) by United States Mail, certified or registered mail, return receipt requested, postage prepaid, to the respective addresses set forth below, or to such other addresses as the parties may designate from time to time by providing written notice of the change to the other party.

To Developer:
Castle & Cooke
California, Inc
10000 Stockdale Highway
Bakersfield, CA 93311
Fax: (661) 664-6030
Attn: Bruce Freeman

with a copy to:
Castle & Cooke
California, Inc
10000 Stockdale Highway
Bakersfield, CA 93311
Fax: (661) 664-6042
Attn: William D. Sampson

with a copy to:
Jones & Beardsley, P.C.
10000 Stockdale Highway,
Suite 350
Bakersfield, CA 93311
Fax: (661) 664-2904
Attn: Mark A. Jones, Esq.

To District:
San Joaquin Valley Unified APCD
1990 E. Gettysburg Avenue
Fresno, CA 93726
Fax: (559)
Attn: Seyed Sadredin
Executive Director/APCO

with a copy to:
San Joaquin Valley Unified APCD
1990 E. Gettysburg Avenue
Fresno, CA 93726
Fax: (559)
Attn: Dave Warner
Director of Permit Services

with a copy to:
San Joaquin Valley Unified APCD
1990 E. Gettysburg Avenue
Fresno, CA 93726
Fax: (559)
Attn: Philip M. Jay
District Counsel

14. **Entire Agreement**. The terms of this Agreement, together with all attached exhibits, are intended by the parties as the complete and final expression of their agreement with respect to such terms and exhibits and may not be contradicted by evidence of any prior or contemporaneous agreement. This Agreement specifically supersedes any prior written or oral agreements between the parties with respect to the subject matter of this Agreement.

15. **Amendments and Waivers**. No addition to or modification of this Agreement shall be effective unless set forth in writing and signed by the party against whom the addition or modification is sought to be enforced. The party benefited by any condition or obligation may waive the same, but such waiver

shall not be enforceable by another party unless made in writing and signed by the waiving party.

16. **Invalidity of Provisions**. If any provision of this Agreement as applied to either party or to any circumstance shall be adjudged by a court of competent jurisdiction to be void or unenforceable for any reason, the same shall in no way affect (to the maximum extent permissible by law) any other provision of this Agreement, the application of any such provision under circumstances different from those adjudicated by the court, or the validity or enforceability of this Agreement as a whole. The parties further agree to replace any such invalid, illegal or unenforceable portion with a valid and enforceable provision which will achieve, to the maximum extent legally possible, the economic, business or other purposes of the invalid, illegal or unenforceable portion.

17. **Construction**. Unless otherwise indicated, all Section references are to the sections of this Agreement and all references to days are to calendar days. Whenever, under the terms of this Agreement the time for performance of a covenant or condition falls upon a Saturday, Sunday or California state holiday, the time for performance shall be extended to the next business day. The headings used in this Agreement are provided for convenience only and this Agreement shall be interpreted without reference to any headings. Wherever required by the context, the singular shall include the plural and vice versa, and the masculine gender shall include the feminine or neuter genders, or vice versa. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. The language in all parts of this Agreement shall be construed as a whole in accordance with its fair meaning, and shall not be construed against any party solely by virtue of the fact that such party or its counsel was primarily responsible for its preparation.

18. **Governing Law**. This Agreement shall be governed by the laws of the State of California applicable to contracts made and to be performed in California.

19. **No Third-party Beneficiaries**. Nothing in this Agreement, express or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties to it and their respective permitted successors and assigns, nor is anything in this Agreement intended to relieve or discharge any obligation of any third person to any party hereto or give any third person any right of subrogation or action over or against any party to this Agreement.

20. **Exhibits**. The exhibits attached to this Agreement shall be deemed to be a part of this Agreement and are fully incorporated herein by reference.

21. **Force Majeure.** The time within which any party shall be required to perform under this Agreement shall be extended on a day-per-day basis for each day during which such performance is prevented or delayed by reason of events reasonably outside of the control of the performing party, including, without limitation, acts of God, events of destruction, acts of war, civil insurrection, strikes, shortages, governmental delays, moratoria, civil litigation and the like, and/or delays caused by the non-performing party's act or omission.

IN WITNESS WHEREOF, Developer and District have executed this Agreement and agree that it shall be effective as of the date first written above.

DEVELOPER: CASTLE & COOKE CALIFORNIA, INC., a California corporation

By: _____
Name: Bruce Freeman
Title: President

By: _____
Name: William Sampson
Title: Sr. Vice President

DISTRICT: SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, an air pollution control district formed pursuant to California Health and Safety Code section 40150, et seq.

DISTRICT

San Joaquin Valley Unified Air Pollution Control District

By: _____

Councilmember Mike Maggard, Chair
Governing Board

Recommended for approval:

San Joaquin Valley Unified Air Pollution Control District

_____
Seyed Sadredin
Executive Director/APCO

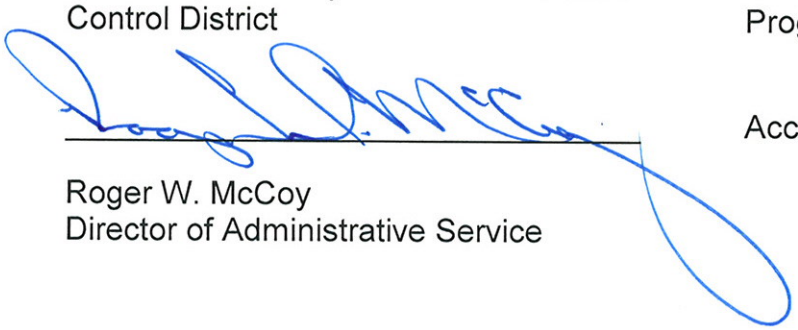
Approved as to legal form:

San Joaquin Valley Unified Air Pollution Control District

_____
Philip M. Jay
District Counsel

Approved as to accounting form:

San Joaquin Valley Unified Air Pollution Control District



Roger W. McCoy
Director of Administrative Service

For accounting use only:

Program:_____

Account No.:_____

EXHIBIT A

DESCRIPTION OF THE PROJECT

That project generally known as the Gateway Village Project, including development applications for a General Plan Amendment, zone change, specific plan, infrastructure master plan, development agreement and related entitlements permitting the development and use of a master planned community on a 2,062 acre site of unincorporated land in the County of Madera, including 6,578 residential units, 784,080 square feet of commercial uses (including officer, service, retail, light industrial and government uses),825,898 square feet of town center commercial and mixed use (including office, service and retail), schools, parks and other uses, all as more particularly set forth in the specific plan for the project currently being processed with the County of Madera, California.

EXHIBIT B

EMISSION REDUCTION DESIGN FEATURES

The project shall incorporate the following Emission Reduction Design Features:

- The project will incorporate the following on-site features:
    - Utilization of land use designs which create walkable communities and encourage pedestrian travel.
    - Utilization of interconnecting sidewalks, walking paths and/or bike paths in order to encourage travel by means other than by motor vehicle.
    - Utilization of appropriate landscaping to create reasonable shade canopies for streets, parkways and parking areas.
    - Utilization of roadway designs which enhance pedestrian safety by appropriate signaling, signage and separation from traffic.
    - Design requirements which incorporate natural gas hookups and electrical outlets on patios.
    - Design requirements which prohibit the installation and use of wood burning stoves and wood burning fireplaces.

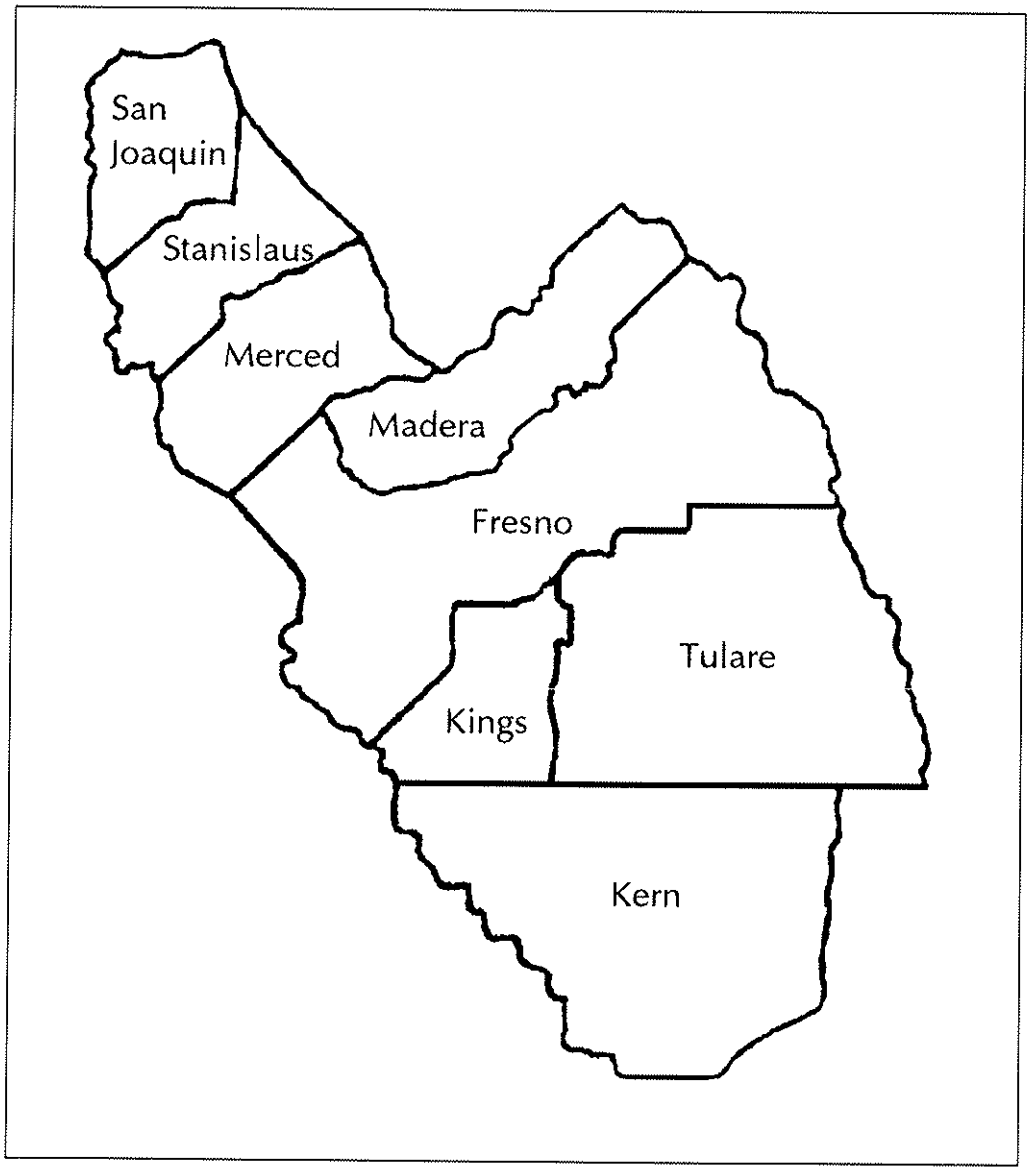
- Prior to issuance of grading permits for the Project, the Developer shall prepare and submit to District dust control plans for the areas to be graded, in accordance with District Regulation VIII. The plan shall be prepared consistent with District Regulation VIII and must be reviewed and approved by the District prior to the commencement of grading activities. Each contractor working on the Project site shall implement the dust control measures outlined in the approved dust control plan. The dust control measures selected shall be incorporated as a note on each grading plan.

- District maintains New Source Review requirements that direct owners/operators of certain types of stationary equipment to obtain an Authority to Construct ("ATC") and Permits to Operate ("PTO") from the District. As part of this process, the need for emission control equipment is assessed and the District determines whether a Health Risk Assessment ("HRA") must be prepared. Owners/operators of all stationary sources for which such approvals are required should show

proof of compliance with District Rules and Regulations prior to issuance of certificates of occupancy.

EXHIBIT C

DISTRICT BOUNDARIES



B.2 Concurrence Letter

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

February 22, 2007

Rayburn Beach
Madera County
Planning Department
2037 W. Cleveland Ave, MS-G
Madera, CA 93637

Project: Gateway Village Area Plan

Subject: District comments to the responses provided by WZI regarding the changes made to the Draft EIR for Gateway Village – Madera

Dear Mr. Beach:

The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the revised Air Quality Analysis (AQA) and responses from WZI, Inc. to District comments made on January 24, 2007.

The District agrees with the proposed changes made to the EIR as discussed with WZI, Inc. and confirms that through the Development Mitigation Contract (DMC) between the District and the project proponent, the project emissions will be fully mitigated.

The District recognizes and greatly appreciates the project proponent's efforts to reduce the project's impact on air quality by voluntarily entering into a DMC with the District.

Sincerely,

David Warner
Director of Permits Services

Arnaud Marjollet
Permit Services Manager

DW:jrw

cc: File
WZI, Inc.

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
Tel: (661) 326-6900 FAX: (661) 326-6985

www.valleyair.org

B.3 Supplemental Air Quality Data (attached CD)

Supplemental Data Submitted to San Joaquin Air Pollution Control District

Gateway Village Specific Plan EIR

Various Dates

ATTACHMENT 1

Total Project Criteria Emissions at Buildout (2025)
With School and Consumer Product Emission Factor Revisions

Project Component	ROG (tons/yr)	NO_X (tons/yr)	CO (tons/yr)	PM^*_{10} (tons/yr)	SO_X (tons/yr)
Area Source Emissions	67.18	12.24	22.99	0.08	0.11
Stationary Source Emissions**	18.92	10.00	--	0.61	--
Indirect Source Emissions	53.38	52.15	521.00	93.83	1.19
Existing Agricultural Emissions	-44.77	-0.92	-0.89	-24.66	-0.01
Subtotal	**94.71**	**73.47**	**543.10**	**69.86**	**1.29**
NSR[1] Offsets	-23.81	-14.00	--	-0.61	--
Subtotal	**70.90**	**59.47**	**543.10**	**69.25**	**1.29**
Total Project Emissions with Proposed Mitigation	**0.00**	**0.00**	**543.10**	**0.00**	**1.29**
District Significance Threshold (GAMAQI)	**10**	**10**	**N/A**	**15**	**N/A**

*Includes PM 2.5 and sulfate fractions
**Stationary source emissions for Criteria Pollutants and HAPS are subject to New Source Review

GATEWAY MITIGATION

YEAR	CONSTRUCTION					OPERATIONS					STATIONARY		PROJECT TOTAL					ROG+NOx PM10
	ROG	NOX	CO	PM10	SOX	ROG	NOX	CO	PM10	SOX	ROG	PM10	ROG	NOX	CO	PM10	SOX	
2007	5.97	10.10	13.68	1.72	0.00	0.00	0.00	0.00	0.00	0.00			5.97	10.10	13.68	1.72	0.00	17.79
2008	11.60	19.64	26.58	3.33	0.00	6.99	6.36	56.45	2.60	0.04			18.59	26.00	83.03	5.93	0.04	50.53
2009	17.78	30.10	40.74	5.11	0.00	19.44	15.88	140.55	6.98	0.10			37.22	45.98	181.29	12.09	0.10	95.29
2010	14.98	25.36	34.32	4.31	0.00	35.26	29.10	256.70	13.91	0.20			50.24	54.46	291.02	18.22	0.20	122.92
2011	14.98	25.36	34.32	4.31	0.00	48.02	39.41	346.58	20.33	0.29			63.00	64.77	380.90	24.64	0.29	152.41
2012	14.98	25.36	34.32	4.31	0.00	61.20	48.37	429.00	27.39	0.38	0.15	0.2	76.33	73.73	463.32	31.90	0.38	181.96
2013	18.06	30.57	41.38	5.19	0.00	70.82	55.22	482.39	33.78	0.47	0.15	0.2	89.03	85.79	523.77	39.17	0.47	214.00
2014	14.98	25.36	34.32	4.31	0.00	80.58	60.41	525.55	40.77	0.57	0.15	0.2	95.71	85.77	559.87	45.28	0.57	226.76
2015	16.40	27.76	37.57	4.71	0.00	86.11	61.44	531.55	46.16	0.65	1.97	0.2	104.48	89.20	569.12	51.07	0.65	244.75
2016	15.75	26.65	36.07	4.52	0.00	97.44	67.51	584.42	53.66	0.74	2.97	0.2	116.16	94.16	620.49	58.38	0.74	268.70
2017	21.48	36.36	49.21	6.17	0.00	103.76	69.43	602.36	58.65	0.81	3.97	0.2	129.21	105.79	651.57	65.02	0.81	300.02
2018	17.34	29.35	39.72	4.98	0.00	113.09	72.87	633.69	65.70	0.91	5.12	0.4	135.55	102.22	673.41	71.08	0.91	308.85
2019	12.66	21.44	29.01	3.64	0.00	120.03	74.81	652.71	72.32	1.01	6.12	0.4	138.81	96.25	681.72	76.36	1.01	311.42
2020	9.72	16.46	22.27	2.79	0.00	123.45	74.10	649.48	77.30	1.08	11.96	0.4	145.13	90.56	671.75	80.49	1.08	316.18
2021	9.64	16.31	22.08	2.77	0.00	125.76	73.81	643.37	81.62	1.13	14.77	0.4	150.17	90.12	665.45	84.79	1.13	325.08
2022	1.36	2.30	3.11	0.39	0.00	129.07	74.95	650.44	88.43	1.23	15.77	0.4	146.20	77.25	653.55	89.22	1.23	312.67
2023	1.36	2.30	3.11	0.39	0.00	127.04	72.33	623.01	91.18	1.27	16.93	0.61	145.33	74.63	626.12	92.18	1.27	312.14
2024	1.36	2.30	3.11	0.39	0.00	124.38	68.98	589.09	93.34	1.29	17.93	0.61	143.67	71.28	592.20	94.34	1.29	309.29
2025						120.56	64.39	543.99	93.91	1.30	18.93	0.61	139.49	64.39	543.99	94.52	1.30	298.40
											AG		-44.77	-0.92	-0.89	-24.66	-0.01	
											MITIGATION		105.40	89.20		60.13		254.73

Interpolation PROJECT year by year

AREA SOURCE EMISSION ESTIMATES

2008	ROG	NOx	CO	PM10	SO2
2008	2.02	0.32	0.81	0.00	0.01
2009	5.99	1.00	2.43	0.01	0.01
2010	11.53	1.94	4.06	0.01	0.02
2011	16.23	2.78	5.67	0.02	0.03
2012	20.99	3.72	7.35	0.02	0.03
2013	25.69	4.55	8.96	0.03	0.04
2014	31.33	5.48	10.60	0.03	0.05
2015	36.03	6.30	12.24	0.04	0.06
2016	41.00	7.46	14.17	0.05	0.06
2017	45.78	8.25	15.73	0.05	0.07
2018	52.25	9.31	17.63	0.06	0.06
2019	57.48	10.26	19.49	0.06	0.09
2020	61.24	10.93	20.82	0.07	0.10
2021	63.94	11.37	21.76	0.07	0.10
2022	66.65	11.97	22.77	0.08	0.11
2023	66.88	12.13	22.90	0.08	0.11
2024	67.07	12.24	22.99	0.08	0.11
2025	67.18	12.24	22.99	0.08	0.11
0	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00
Total	**739.28**	**132.25**	**253.37**	**0.84**	**1.19**

	ROG	NOX
1-Mile	1231.9%	966.0%
San Joaquin Valley Air Basin	0.061%	0.035%
Kern County	0.271%	0.128%
Tons / Year		
San Joaquin Valley Air Basin	140,708	174,689
Kern County	31,719	48,107
Tons / Day		
San Joaquin Valley Air Basin	385.5	476.6
Kern County	86.9	131.8

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

2008	ROG	NOx	CO	PM10	SO2
2008	4.97	6.04	55.64	2.60	0.03
2009	13.45	14.88	138.12	6.97	0.09
2010	23.73	27.16	252.64	13.90	0.18
2011	31.79	36.63	340.91	20.31	0.26
2012	40.21	44.65	421.65	27.37	0.35
2013	45.13	50.67	473.43	33.75	0.43
2014	49.25	54.93	514.95	40.74	0.52
2015	50.08	55.14	519.31	46.12	0.59
2016	56.44	60.05	570.25	53.61	0.68
2017	57.98	61.18	586.63	58.60	0.74
2018	60.84	63.56	616.06	65.64	0.83
2019	62.55	64.55	633.22	72.26	0.92
2020	62.21	63.17	628.66	77.23	0.98
2021	61.82	62.44	621.61	81.55	1.03
2022	62.42	62.98	627.67	88.35	1.12
2023	60.16	60.20	600.11	91.10	1.16
2024	57.31	56.74	566.10	93.26	1.18
2025	53.38	52.15	521.00	93.63	1.19
0	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00

	ROG	NOx	Total CO	PM10	SO2
2008	**6.99**	**6.36**	**56.45**	**2.60**	**0.04**
2009	**19.44**	**15.88**	**140.55**	**6.98**	**0.10**
2010	**35.26**	**29.10**	**256.70**	**13.91**	**0.20**
2011	**48.02**	**39.41**	**346.58**	**20.33**	**0.29**
2012	**61.20**	**48.37**	**429.00**	**27.39**	**0.38**
2013	**70.82**	**55.22**	**482.39**	**33.78**	**0.47**
2014	**80.58**	**60.41**	**525.55**	**40.77**	**0.57**
2015	**86.11**	**61.44**	**531.55**	**46.16**	**0.65**
2016	**97.44**	**67.51**	**584.42**	**53.66**	**0.74**
2017	**103.76**	**69.43**	**602.36**	**58.65**	**0.81**
2018	**113.09**	**72.87**	**633.69**	**65.70**	**0.91**
2019	**120.03**	**74.81**	**652.71**	**72.32**	**1.01**
2020	**123.45**	**74.10**	**649.48**	**77.30**	**1.08**
2021	**125.76**	**73.81**	**643.37**	**81.62**	**1.13**
2022	**129.07**	**74.95**	**650.44**	**88.43**	**1.23**
2023	**127.04**	**72.33**	**623.01**	**91.18**	**1.27**
2024	**124.38**	**68.98**	**589.09**	**93.34**	**1.29**
2025	**120.56**	**64.39**	**543.99**	**93.91**	**1.30**
0	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
0	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

RESIDENTIAL and COMMERICAL

OPERATIONAL (VEHICLE) EMISSION ESTIMATES | AREA SOURCE EMISSION ESTIMATES

2008	ROG	NOx	CO	SO2	PM10	2008	ROG	NOx	CO	SO2	PM10
2008	4.97	6.04	55.64	0.03	2.60	2008	2.02	0.32	0.81	0.01	0.00
2015						2015					
2008	4.97	6.04	55.64	0.03	2.60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2009	ROG	NOx	CO	SO2	PM10	2009	ROG	NOx	CO	SO2	PM10
2009	13.45	14.88	138.12	0.09	6.97	2009	5.99	1.00	2.43	0.01	0.01
2015						2015					
2009	13.45	14.88	138.12	0.09	6.97	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2010	ROG	NOx	CO	SO2	PM10	2010	ROG	NOx	CO	SO2	PM10
2010	23.73	27.16	252.64	0.18	13.90	2010	11.53	1.94	4.06	0.02	0.01
2015						2015					
2010	23.73	27.16	252.64	0.18	13.90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2011	ROG	NOx	CO	SO2	PM10	2011	ROG	NOx	CO	SO2	PM10
2010	34.22	39.74	369.09	0.26	20.32	2010	16.23	2.78	5.67	0.03	0.02
2015	22.07	24.20	228.19	0.26	20.25	2015	16.23	2.78	5.67	0.03	0.02
2011	31.79	36.63	340.91	0.26	20.31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2012	ROG	NOx	CO	SO2	PM10	2012	ROG	NOx	CO	SO2	PM10
2010	46.83	52.65	497.65	0.35	27.41	2010	20.99	3.72	7.35	0.03	0.02
2015	30.28	32.66	307.65	0.35	27.31	2015	20.99	3.72	7.35	0.03	0.02
2012	40.21	44.65	421.65	0.35	27.37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2013	ROG	NOx	CO	SO2	PM10	2013	ROG	NOx	CO	SO2	PM10
2010	57.32	66.20	614.11	0.43	33.82	2010	25.69	4.55	8.96	0.04	0.03
2015	37.00	40.32	379.64	0.43	33.71	2015	25.69	4.55	8.96	0.04	0.03
2013	45.13	50.67	473.43	0.43	33.75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2014	ROG	NOx	CO	SO2	PM10	2014	ROG	NOx	CO	SO2	PM10
2010	68.79	79.93	741.42	0.52	40.84	2010	31.33	5.48	10.60	0.05	0.03
2015	44.36	48.68	458.33	0.52	40.71	2015	31.33	5.48	10.60	0.05	0.03
2014	49.25	54.93	514.95	0.52	40.74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2015	ROG	NOx	CO	SO2	PM10	2015	ROG	NOx	CO	SO2	PM10
2010						2010					
2015	50.08	55.14	519.31	0.59	46.12	2015	36.03	6.30	12.24	0.06	0.04
2015	50.08	55.14	519.31	0.59	46.12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2016	ROG	NOx	CO	SO2	PM10	2016	ROG	NOx	CO	SO2	PM10
2015	59.57	64.10	603.64	0.68	53.63	2015	41.00	7.46	14.17	0.06	0.05
2020	43.90	43.87	436.70	0.68	53.52	2020	41.00	7.46	14.17	0.06	0.05
2016	56.44	60.05	570.25	0.68	53.61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2017	ROG	NOx	CO	SO2	PM10	2017	ROG	NOx	CO	SO2	PM10
2015	64.80	70.02	659.58	0.74	58.65	2015	45.78	8.25	15.73	0.07	0.05
2020	47.75	47.92	477.21	0.74	58.52	2020	45.78	8.25	15.73	0.07	0.05
2017	57.98	61.18	586.63	0.74	58.60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2018	ROG	NOx	CO	SO2	PM10	2018	ROG	NOx	CO	SO2	PM10
2015	72.25	78.41	738.57	0.83	65.73	2015	52.25	9.31	17.63	0.08	0.06
2020	53.23	53.66	534.39	0.83	65.58	2020	52.25	9.31	17.63	0.08	0.06
2018	60.84	63.56	616.06	0.83	65.64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2019	ROG	NOx	CO	SO2	PM10	2019	ROG	NOx	CO	SO2	PM10
2015	79.26	86.35	813.02	0.92	72.40	2015	57.48	10.26	19.49	0.09	0.06
2020	58.37	59.10	588.27	0.92	72.23	2020	57.48	10.26	19.49	0.09	0.06
2019	62.55	64.55	633.22	0.92	72.26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2020	ROG	NOx	CO	SO2	PM10	2020	ROG	NOx	CO	SO2	PM10
2020	62.21	63.17	628.66	0.98	77.23	2020	61.24	10.93	20.82	0.10	0.07
2025	62.21	63.17	628.66	0.98	77.23	2025	61.24	10.93	20.82	0.10	0.07
2020	62.21	63.17	628.66	0.98	77.23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2021	ROG	NOx	CO	SO2	PM10	2021	ROG	NOx	CO	SO2	PM10
2020	65.56	66.73	663.85	1.03	81.58	2020	63.96	11.46	21.80	0.10	0.07
2025	46.84	45.27	452.65	1.03	81.43	2025	63.88	10.99	21.62	0.10	0.07
2021	61.82	62.44	621.61	1.03	81.55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2022	ROG	NOx	CO	SO2	PM10	2022	ROG	NOx	CO	SO2	PM10
2020	70.46	72.28	719.19	1.12	88.41	2020	66.65	11.97	22.77	0.11	0.08
2025	50.34	49.03	490.38	1.12	88.25	2025	66.65	11.97	22.77	0.11	0.08
2022	62.42	62.98	627.67	1.12	88.35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2023	ROG	NOx	CO	SO2	PM10	2023	ROG	NOx	CO	SO2	PM10
2020	72.61	74.59	741.70	1.16	91.20	2020	66.88	12.13	22.90	0.11	0.08
2025	51.86	50.60	505.71	1.16	91.04	2025	66.88	12.13	22.90	0.11	0.08
2023	60.16	60.20	600.11	1.16	91.10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2024	ROG	NOx	CO	SO2	PM10	2024	ROG	NOx	CO	SO2	PM10
2020	74.29	76.40	759.40	1.18	93.40	2020	67.07	12.24	22.99	0.11	0.08
2025	53.06	51.83	517.78	1.18	93.23	2025	67.07	12.24	22.99	0.11	0.08
2024	57.31	56.74	566.10	1.18	93.26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2025	ROG	NOx	CO	SO2	PM10	2025	ROG	NOx	CO	SO2	PM10
2025	53.38	52.15	521.00	1.19	93.83	2025	67.18	12.24	22.99	0.11	0.08
2030	53.38	52.15	521.00	1.19	93.83	2030	67.18	12.24	22.99	0.11	0.08
2025	53.38	52.15	521.00	1.19	93.83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	ROG	NOx	CO	SO2	PM10	0	ROG	NOx	CO	SO2	PM10
2025						2025					
2030						2030					
2026	0.00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	ROG	NOx	CO	SO2	PM10	0	ROG	NOx	CO	SO2	PM10
2025						2025					
2030						2030					
2027	0.00	0.00	0.00	0.00	0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	ROG	NOx	CO	SO2	PM10	0	ROG	NOx	CO	SO2	PM10
2025						2025					
2030						2030					
2027	0.00	0.00	0.00	0.00	0.00	2027	0.00	0.00	0.00	0.00	0.00

	ROG	NOx	CO	SO2	PM10	0	ROG	NOx	CO	SO2	PM10
2025						2025					
2030						2030					
2027	0.00	0.00	0.00	0.00	0.00	2027	0.00	0.00	0.00	0.00	0.00

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	2.02	0.32	0.81	0.01	0.00
TOTALS (tpy, mitigated)	2.02	0.32	0.81	0.01	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	5.46	6.69	61.59	0.04	2.88
TOTALS (tpy, mitigated)	4.97	6.04	55.64	0.03	2.60

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	7.48	7.01	62.40	0.04	2.88
TOTALS (tpy, mitigated)	6.98	6.36	56.45	0.04	2.60

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.02	0.31	0.15	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.09	0.00	0.66	0.01	0.00
Consumer Prdcts	1.58	-	-	-	-
Architectural Coatings	0.32	-	-	-	-
TOTALS (tpy, unmitigated)	2.02	0.32	0.81	0.01	0.00

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.02	0.31	0.15	0	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.09	0.00	0.66	0.01	0.00
Consumer Prdcts	1.58	-	-	-	-
Architectural Coatings	0.32	-	-	-	-
TOTALS (tpy, mitigated)	2.02	0.32	0.81	0.01	0.00

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	3.22	4.03	37.33	0.02	1.76
Goverment office building	2.25	2.66	24.26	0.01	1.11
TOTAL EMISSIONS (tons/yr)	5.46	6.69	61.59	0.04	2.88

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	66.67	9.57 trips/dwelling unit	200.00	1,914.00
Goverment office building		68.93 trips/1000 sq. ft.	26.14	1,801.83
		Sum of Total Trips		3,715.83
		Total Vehicle Miles Traveled		20,756.74

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	2.94	3.64	33.72	0.02	1.59
Goverment office building	2.03	2.41	21.92	0.01	1.01
TOTAL EMISSIONS (tons/yr)	4.97	6.04	55.64	0.03	2.60
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	66.67	9.57 trips/dwelling unit	200.00	1,914.00
Goverment office building		68.93 trips/1000 sq. ft.	26.14	1,801.83
		Sum of Total Trips		3,715.83
		Total Vehicle Miles Traveled		20,756.74

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2008.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2008.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	5.99	1.00	2.43	0.01	0.01
TOTALS (tpy, mitigated)	5.99	1.00	2.43	0.01	0.01

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	14.74	16.57	153.80	0.10	7.76
TOTALS (tpy, mitigated)	13.45	14.88	138.12	0.09	6.97

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	20.73	17.58	156.24	0.11	7.77
TOTALS (tpy, mitigated)	19.45	15.89	140.55	0.10	6.97

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.08	1.00	0.49	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.26	0.01	1.94	0.01	0.01
Consumer Prdcts	4.67	-	-	-	-
Architectural Coatings	0.99	-	-	-	-
TOTALS (tpy, unmitigated)	5.99	1.00	2.43	0.01	0.01

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.08	1.00	0.49	0	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.26	0.01	1.94	0.01	0.01
Consumer Prdcts	4.67	-	-	-	-
Architectural Coatings	0.99	-	-	-	-
TOTALS (tpy, mitigated)	5.99	1.00	2.43	0.01	0.01

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	7.61	9.47	88.52	0.06	4.51
Retirement community	0.53	0.57	5.36	0.00	0.27
Elementary school	2.40	1.59	14.60	0.01	0.74
City park	0.05	0.04	0.35	0.00	0.02
Goverment office building	4.15	4.90	44.97	0.03	2.22
TOTAL EMISSIONS (tons/yr)	14.74	16.57	153.80	0.10	7.76

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2009 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	170.67	9.57 trips/dwelling unit	512.00	4,899.84
Retirement community	16.00	3.71 trips/dwelling unit	80.00	296.80
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	14.80	23.53
Goverment office building		68.93 trips/1000 sq. ft.	52.27	3,602.97
		Sum of Total Trips		9,855.14
		Total Vehicle Miles Traveled		56,077.03

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.90	1.30	98.40	0.30
Light Truck < 3,750 lbs	15.10	2.60	95.40	2.00
Light Truck 3,751- 5,750	16.10	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	75.00	25.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	6.95	8.55	79.97	0.05	4.07
Retirement community	0.43	0.43	4.03	0.00	0.20
Elementary school	2.27	1.44	13.19	0.01	0.67
City park	0.05	0.04	0.32	0.00	0.02
Goverment office building	3.76	4.43	40.62	0.03	2.01
TOTAL EMISSIONS (tons/yr)	13.45	14.88	138.12	0.09	6.97
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2009 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	170.67	9.57 trips/dwelling unit	512.00	4,899.84
Retirement community	16.00	3.71 trips/dwelling unit	80.00	296.80
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	14.80	23.53
Goverment office building		68.93 trips/1000 sq. ft.	52.27	3,602.97
		Sum of Total Trips		9,855.14
		Total Vehicle Miles Traveled		56,077.03

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.90	1.30	98.40	0.30
Light Truck < 3,750 lbs	15.10	2.60	95.40	2.00
Light Truck 3,751- 5,750	16.10	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	75.00	25.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2009.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2009.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	11.53	1.94	4.06	0.02	0.01
TOTALS (tpy, mitigated)	11.53	1.94	4.06	0.02	0.01

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	26.14	30.32	282.05	0.20	15.52
TOTALS (tpy, mitigated)	23.73	27.16	252.64	0.18	13.90

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	37.67	32.26	286.12	0.22	15.53
TOTALS (tpy, mitigated)	35.26	29.10	256.71	0.20	13.92

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.14	1.89	0.95	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.39	0.05	3.12	0.02	0.01
Consumer Prdcts	9.15	-	-	-	-
Architectural Coatings	1.84	-	-	-	-
TOTALS (tpy, unmitigated)	11.53	1.94	4.06	0.02	0.01

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.14	1.89	0.95	0	0.00
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.39	0.05	3.12	0.02	0.01
Consumer Prdcts	9.15	-	-	-	-
Architectural Coatings	1.84	-	-	-	-
TOTALS (tpy, mitigated)	11.53	1.94	4.06	0.02	0.01

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	11.61	14.35	135.00	0.10	7.48
Apartments low rise	1.53	1.82	17.16	0.01	0.95
Retirement community	0.98	1.05	9.84	0.01	0.55
Elementary school	2.23	1.45	13.39	0.01	0.74
City park	0.09	0.07	0.64	0.00	0.04
Regnl shop. center	4.00	4.86	44.13	0.03	2.44
Goverment office building	5.70	6.72	61.90	0.04	3.33
TOTAL EMISSIONS (tons/yr)	26.14	30.32	282.05	0.20	15.52

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	283.67	9.57 trips/dwelling unit	851.00	8,144.07
Apartments low rise	9.38	6.90 trips/dwelling unit	150.00	1,035.00
Retirement community	32.00	3.71 trips/dwelling unit	160.00	593.60
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	29.60	47.06
Regnl shop. center		42.94 trips/1000 sq. ft.	87.12	3,740.93
Goverment office building		68.93 trips/1000 sq. ft.	78.41	5,404.80
		Sum of Total Trips		19,997.47
		Total Vehicle Miles Traveled		112,329.07

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	10.60	12.97	121.95	0.09	6.76
Apartments low rise	1.35	1.58	14.86	0.01	0.82
Retirement community	0.79	0.79	7.39	0.01	0.41
Elementary school	2.12	1.31	12.10	0.01	0.67
City park	0.09	0.06	0.58	0.00	0.03
Regnl shop. center	3.62	4.39	39.86	0.03	2.20
Goverment office building	5.16	6.07	55.91	0.04	3.01
TOTAL EMISSIONS (tons/yr)	23.73	27.16	252.64	0.18	13.90
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	283.67	9.57 trips/dwelling unit	851.00	8,144.07
Apartments low rise	9.38	6.90 trips/dwelling unit	150.00	1,035.00
Retirement community	32.00	3.71 trips/dwelling unit	160.00	593.60
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	29.60	47.06
Regnl shop. center		42.94 trips/1000 sq. ft.	87.12	3,740.93
Goverment office building		68.93 trips/1000 sq. ft.	78.41	5,404.80
		Sum of Total Trips		19,997.47
		Total Vehicle Miles Traveled		112,329.07

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2010.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2010.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	16.23	2.78	5.67	0.03	0.02
TOTALS (tpy, mitigated)	16.23	2.78	5.67	0.03	0.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	37.74	44.35	411.98	0.29	22.68
TOTALS (tpy, mitigated)	34.22	39.74	369.09	0.26	20.32

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	53.97	47.13	417.65	0.31	22.70
TOTALS (tpy, mitigated)	50.44	42.51	374.76	0.28	20.34

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.21	2.71	1.37	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.54	0.07	4.29	0.03	0.01
Consumer Prdcts	12.85	-	-	-	-
Architectural Coatings	2.63	-	-	-	-
TOTALS (tpy, unmitigated)	16.23	2.78	5.67	0.03	0.02

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.21	2.71	1.37	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.54	0.07	4.29	0.03	0.01
Consumer Prdcts	12.85	-	-	-	-
Architectural Coatings	2.63	-	-	-	-
TOTALS (tpy, mitigated)	16.23	2.78	5.67	0.03	0.02

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	16.37	20.24	190.36	0.13	10.55
Apartments low rise	1.94	2.31	21.73	0.02	1.20
Retirement community	1.47	1.57	14.76	0.01	0.82
Elementary school	2.23	1.45	13.39	0.01	0.74
City park	0.14	0.11	0.96	0.00	0.06
Regnl shop. center	8.00	9.71	88.25	0.06	4.88
Goverment office building	7.60	8.95	82.52	0.06	4.44
TOTAL EMISSIONS (tons/yr)	37.74	44.35	411.98	0.29	22.68

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	400.00	9.57 trips/dwelling unit	1,200.00	11,484.00
Apartments low rise	11.88	6.90 trips/dwelling unit	190.00	1,311.00
Retirement community	48.00	3.71 trips/dwelling unit	240.00	890.40
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	44.20	70.28
Regnl shop. center		42.94 trips/1000 sq. ft.	174.24	7,481.87
Goverment office building		68.93 trips/1000 sq. ft.	104.54	7,205.94
		Sum of Total Trips		29,475.49
		Total Vehicle Miles Traveled		164,165.27

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	14.94	18.29	171.96	0.12	9.53
Apartments low rise	1.71	2.00	18.82	0.01	1.04
Retirement community	1.18	1.18	11.08	0.01	0.61
Elementary school	2.12	1.31	12.10	0.01	0.67
City park	0.13	0.10	0.87	0.00	0.05
Regnl shop. center	7.25	8.77	79.72	0.06	4.41
Goverment office building	6.88	8.09	74.55	0.05	4.01
TOTAL EMISSIONS (tons/yr)	34.22	39.74	369.09	0.26	20.32
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	400.00	9.57 trips/dwelling unit	1,200.00	11,484.00
Apartments low rise	11.88	6.90 trips/dwelling unit	190.00	1,311.00
Retirement community	48.00	3.71 trips/dwelling unit	240.00	890.40
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	44.20	70.28
Regnl shop. center		42.94 trips/1000 sq. ft.	174.24	7,481.87
Goverment office building		68.93 trips/1000 sq. ft.	104.54	7,205.94
		Sum of Total Trips		29,475.49
		Total Vehicle Miles Traveled		164,165.27

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2010.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2010.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	16.23	2.78	5.67	0.03	0.02
TOTALS (tpy, mitigated)	16.23	2.78	5.67	0.03	0.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	24.29	27.01	254.71	0.29	22.61
TOTALS (tpy, mitigated)	22.07	24.20	228.19	0.26	20.25

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	40.52	29.79	260.38	0.31	22.63
TOTALS (tpy, mitigated)	38.30	26.98	233.86	0.28	20.27

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.21	2.71	1.37	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.54	0.07	4.29	0.03	0.01
Consumer Prdcts	12.85	-	-	-	-
Architectural Coatings	2.63	-	-	-	-
TOTALS (tpy, unmitigated)	16.23	2.78	5.67	0.03	0.02

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.21	2.71	1.37	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.54	0.07	4.29	0.03	0.01
Consumer Prdcts	12.85	-	-	-	-
Architectural Coatings	2.63	-	-	-	-
TOTALS (tpy, mitigated)	16.23	2.78	5.67	0.03	0.02

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	10.50	12.30	117.74	0.13	10.52
Apartments low rise	1.25	1.40	13.44	0.02	1.20
Retirement community	0.97	0.95	9.13	0.01	0.82
Elementary school	1.56	0.89	8.28	0.01	0.73
City park	0.10	0.06	0.59	0.00	0.06
Regnl shop. center	5.09	5.93	54.48	0.06	4.86
Goverment office building	4.83	5.47	51.04	0.06	4.42
TOTAL EMISSIONS (tons/yr)	24.29	27.01	254.71	0.29	22.61

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	400.00	9.57 trips/dwelling unit	1,200.00	11,484.00
Apartments low rise	11.88	6.90 trips/dwelling unit	190.00	1,311.00
Retirement community	48.00	3.71 trips/dwelling unit	240.00	890.40
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	44.20	70.28
Regnl shop. center		42.94 trips/1000 sq. ft.	174.24	7,481.87
Goverment office building		68.93 trips/1000 sq. ft.	104.54	7,205.94
		Sum of Total Trips		29,475.49
		Total Vehicle Miles Traveled		164,165.27

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	9.60	11.11	106.36	0.12	9.50
Apartments low rise	1.11	1.22	11.64	0.01	1.04
Retirement community	0.79	0.72	6.85	0.01	0.61
Elementary school	1.49	0.80	7.48	0.01	0.66
City park	0.09	0.06	0.53	0.00	0.05
Regnl shop. center	4.61	5.36	49.22	0.06	4.39
Goverment office building	4.38	4.94	46.11	0.05	3.99
TOTAL EMISSIONS (tons/yr)	22.07	24.20	228.19	0.26	20.25
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	400.00	9.57 trips/dwelling unit	1,200.00	11,484.00
Apartments low rise	11.88	6.90 trips/dwelling unit	190.00	1,311.00
Retirement community	48.00	3.71 trips/dwelling unit	240.00	890.40
Elementary school		1.29 trips/students	800.00	1,032.00
City park		1.59 trips/acres	44.20	70.28
Regnl shop. center		42.94 trips/1000 sq. ft.	174.24	7,481.87
Goverment office building		68.93 trips/1000 sq. ft.	104.54	7,205.94
		Sum of Total Trips		29,475.49
		Total Vehicle Miles Traveled		164,165.27

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	20.99	3.72	7.35	0.03	0.02
TOTALS (tpy, mitigated)	20.99	3.72	7.35	0.03	0.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	51.58	59.83	555.32	0.39	30.58
TOTALS (tpy, mitigated)	46.83	53.62	497.65	0.35	27.41

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	72.57	63.55	562.68	0.42	30.61
TOTALS (tpy, mitigated)	67.82	57.34	505.01	0.38	27.43

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.63	1.88	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.69	0.09	5.47	0.03	0.02
Consumer Prdcts	16.55	-	-	-	-
Architectural Coatings	3.48	-	-	-	-
TOTALS (tpy, unmitigated)	20.99	3.72	7.35	0.03	0.02

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.63	1.88	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.69	0.09	5.47	0.03	0.02
Consumer Prdcts	16.55	-	-	-	-
Architectural Coatings	3.48	-	-	-	-
TOTALS (tpy, mitigated)	20.99	3.72	7.35	0.03	0.02

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	21.13	26.13	245.73	0.17	13.62
Apartments low rise	2.35	2.80	26.31	0.02	1.46
Retirement community	1.96	2.09	19.68	0.01	1.09
Elementary school	4.46	2.91	26.78	0.02	1.47
City park	0.19	0.14	1.29	0.00	0.07
Regnl shop. center	12.00	14.57	132.38	0.09	7.32
Goverment office building	9.50	11.19	103.16	0.07	5.55
TOTAL EMISSIONS (tons/yr)	51.58	59.83	555.32	0.39	30.58

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	516.33	9.57 trips/dwelling unit	1,549.00	14,823.93
Apartments low rise	14.38	6.90 trips/dwelling unit	230.00	1,587.00
Retirement community	64.00	3.71 trips/dwelling unit	320.00	1,187.20
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	59.20	94.13
Regnl shop. center		42.94 trips/1000 sq. ft.	261.36	11,222.80
Goverment office building		68.93 trips/1000 sq. ft.	130.68	9,007.77
		Sum of Total Trips		39,986.83
		Total Vehicle Miles Traveled		221,339.38

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	19.29	23.60	221.97	0.16	12.30
Apartments low rise	2.08	2.42	22.78	0.02	1.26
Retirement community	1.58	1.57	14.77	0.01	0.82
Elementary school	4.24	2.63	24.19	0.02	1.33
City park	0.18	0.13	1.16	0.00	0.07
Regnl shop. center	10.87	13.16	119.58	0.08	6.61
Goverment office building	8.60	10.11	93.19	0.06	5.01
TOTAL EMISSIONS (tons/yr)	46.83	53.62	497.65	0.35	27.41
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	516.33	9.57 trips/dwelling unit	1,549.00	14,823.93
Apartments low rise	14.38	6.90 trips/dwelling unit	230.00	1,587.00
Retirement community	64.00	3.71 trips/dwelling unit	320.00	1,187.20
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	59.20	94.13
Regnl shop. center		42.94 trips/1000 sq. ft.	261.36	11,222.80
Goverment office building		68.93 trips/1000 sq. ft.	130.68	9,007.77
		Sum of Total Trips		39,986.83
		Total Vehicle Miles Traveled		221,339.38

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2010.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2010.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	20.99	3.72	7.35	0.03	0.02
TOTALS (tpy, mitigated)	20.99	3.72	7.35	0.03	0.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	33.28	36.44	343.31	0.39	30.48
TOTALS (tpy, mitigated)	30.28	32.66	307.65	0.35	27.31

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	54.27	40.16	350.66	0.42	30.50
TOTALS (tpy, mitigated)	51.28	36.38	315.01	0.38	27.34

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.63	1.88	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.69	0.09	5.47	0.03	0.02
Consumer Prdcts	16.55	-	-	-	-
Architectural Coatings	3.48	-	-	-	-
TOTALS (tpy, unmitigated)	20.99	3.72	7.35	0.03	0.02

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.28	3.63	1.88	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.69	0.09	5.47	0.03	0.02
Consumer Prdcts	16.55	-	-	-	-
Architectural Coatings	3.48	-	-	-	-
TOTALS (tpy, mitigated)	20.99	3.72	7.35	0.03	0.02

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	13.55	15.88	151.99	0.17	13.58
Apartments low rise	1.52	1.70	16.27	0.02	1.45
Retirement community	1.29	1.27	12.17	0.01	1.09
Elementary school	3.12	1.77	16.55	0.02	1.47
City park	0.13	0.09	0.79	0.00	0.07
Regnl shop. center	7.63	8.89	81.73	0.09	7.29
Goverment office building	6.04	6.84	63.80	0.07	5.53
TOTAL EMISSIONS (tons/yr)	33.28	36.44	343.31	0.39	30.48

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	516.33	9.57 trips/dwelling unit	1,549.00	14,823.93
Apartments low rise	14.38	6.90 trips/dwelling unit	230.00	1,587.00
Retirement community	64.00	3.71 trips/dwelling unit	320.00	1,187.20
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	59.20	94.13
Regnl shop. center		42.94 trips/1000 sq. ft.	261.36	11,222.80
Goverment office building		68.93 trips/1000 sq. ft.	130.68	9,007.77
		Sum of Total Trips		39,986.83
		Total Vehicle Miles Traveled		221,339.38

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	12.40	14.34	137.30	0.16	12.26
Apartments low rise	1.35	1.47	14.09	0.02	1.26
Retirement community	1.05	0.95	9.14	0.01	0.82
Elementary school	2.98	1.60	14.95	0.02	1.33
City park	0.12	0.08	0.72	0.00	0.07
Regnl shop. center	6.92	8.03	73.82	0.08	6.59
Goverment office building	5.47	6.18	57.64	0.06	4.99
TOTAL EMISSIONS (tons/yr)	30.28	32.66	307.65	0.35	27.31
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	516.33	9.57 trips/dwelling unit	1,549.00	14,823.93
Apartments low rise	14.38	6.90 trips/dwelling unit	230.00	1,587.00
Retirement community	64.00	3.71 trips/dwelling unit	320.00	1,187.20
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	59.20	94.13
Regnl shop. center		42.94 trips/1000 sq. ft.	261.36	11,222.80
Goverment office building		68.93 trips/1000 sq. ft.	130.68	9,007.77
		Sum of Total Trips		39,986.83
		Total Vehicle Miles Traveled		221,339.38

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2 .
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	25.69	4.55	8.96	0.04	0.03
TOTALS (tpy, mitigated)	25.69	4.55	8.96	0.04	0.03

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	63.18	73.86	685.27	0.48	37.75
TOTALS (tpy, mitigated)	57.32	66.20	614.11	0.43	33.82

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	88.87	78.41	694.22	0.52	37.78
TOTALS (tpy, mitigated)	83.00	70.75	623.07	0.47	33.85

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.34	4.45	2.31	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.83	0.11	6.65	0.04	0.02
Consumer Prdcts	20.25	-	-	-	-
Architectural Coatings	4.27	-	-	-	-
TOTALS (tpy, unmitigated)	25.69	4.55	8.96	0.04	0.03

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.34	4.45	2.31	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.83	0.11	6.65	0.04	0.02
Consumer Prdcts	20.25	-	-	-	-
Architectural Coatings	4.27	-	-	-	-
TOTALS (tpy, mitigated)	25.69	4.55	8.96	0.04	0.03

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	25.89	32.02	301.09	0.21	16.69
Apartments low rise	2.76	3.28	30.88	0.02	1.71
Retirement community	2.45	2.62	24.60	0.02	1.36
Elementary school	4.46	2.91	26.78	0.02	1.47
City park	0.23	0.18	1.61	0.00	0.09
Regnl shop. center	16.00	19.43	176.51	0.12	9.76
Goverment office building	11.40	13.43	123.79	0.08	6.66
TOTAL EMISSIONS (tons/yr)	63.18	73.86	685.27	0.48	37.75

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	632.67	9.57 trips/dwelling unit	1,898.00	18,163.86
Apartments low rise	16.88	6.90 trips/dwelling unit	270.00	1,863.00
Retirement community	80.00	3.71 trips/dwelling unit	400.00	1,484.00
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	74.00	117.66
Regnl shop. center		42.94 trips/1000 sq. ft.	348.48	14,963.73
Goverment office building		68.93 trips/1000 sq. ft.	156.82	10,809.60
		Sum of Total Trips		49,465.85
		Total Vehicle Miles Traveled		273,180.45

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	23.63	28.92	271.99	0.19	15.08
Apartments low rise	2.44	2.84	26.74	0.02	1.48
Retirement community	1.97	1.96	18.47	0.01	1.02
Elementary school	4.24	2.63	24.19	0.02	1.33
City park	0.22	0.16	1.45	0.00	0.08
Regnl shop. center	14.50	17.55	159.44	0.11	8.81
Goverment office building	10.32	12.13	111.83	0.08	6.01
TOTAL EMISSIONS (tons/yr)	57.32	66.20	614.11	0.43	33.82
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	632.67	9.57 trips/dwelling unit	1,898.00	18,163.86
Apartments low rise	16.88	6.90 trips/dwelling unit	270.00	1,863.00
Retirement community	80.00	3.71 trips/dwelling unit	400.00	1,484.00
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	74.00	117.66
Regnl shop. center		42.94 trips/1000 sq. ft.	348.48	14,963.73
Goverment office building		68.93 trips/1000 sq. ft.	156.82	10,809.60
		Sum of Total Trips		49,465.85
		Total Vehicle Miles Traveled		273,180.45

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2010.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2010.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	25.69	4.55	8.96	0.04	0.03
TOTALS (tpy, mitigated)	25.69	4.55	8.96	0.04	0.03

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	40.70	44.99	423.63	0.48	37.62
TOTALS (tpy, mitigated)	37.00	40.32	379.64	0.43	33.71

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	66.38	49.54	432.59	0.52	37.65
TOTALS (tpy, mitigated)	62.69	44.88	388.60	0.47	33.74

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.34	4.45	2.31	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.83	0.11	6.65	0.04	0.02
Consumer Prdcts	20.25	-	-	-	-
Architectural Coatings	4.27	-	-	-	-
TOTALS (tpy, unmitigated)	25.69	4.55	8.96	0.04	0.03

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.34	4.45	2.31	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.83	0.11	6.65	0.04	0.02
Consumer Prdcts	20.25	-	-	-	-
Architectural Coatings	4.27	-	-	-	-
TOTALS (tpy, mitigated)	25.69	4.55	8.96	0.04	0.03

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	16.60	19.46	186.23	0.21	16.64
Apartments low rise	1.78	2.00	19.10	0.02	1.71
Retirement community	1.61	1.59	15.22	0.02	1.36
Elementary school	3.12	1.77	16.55	0.02	1.47
City park	0.16	0.11	0.99	0.00	0.09
Regnl shop. center	10.17	11.86	108.97	0.12	9.72
Goverment office building	7.25	8.21	76.57	0.08	6.63
TOTAL EMISSIONS (tons/yr)	40.70	44.99	423.63	0.48	37.62

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	632.67	9.57 trips/dwelling unit	1,898.00	18,163.86
Apartments low rise	16.88	6.90 trips/dwelling unit	270.00	1,863.00
Retirement community	80.00	3.71 trips/dwelling unit	400.00	1,484.00
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	74.00	117.66
Regnl shop. center		42.94 trips/1000 sq. ft.	348.48	14,963.73
Goverment office building		68.93 trips/1000 sq. ft.	156.82	10,809.60
		Sum of Total Trips		49,465.85
		Total Vehicle Miles Traveled		273,180.45

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	15.19	17.58	168.23	0.19	15.03
Apartments low rise	1.58	1.73	16.54	0.02	1.48
Retirement community	1.31	1.19	11.42	0.01	1.02
Elementary school	2.98	1.60	14.95	0.02	1.33
City park	0.15	0.10	0.90	0.00	0.08
Regnl shop. center	9.22	10.71	98.43	0.11	8.78
Goverment office building	6.56	7.41	69.17	0.08	5.99
TOTAL EMISSIONS (tons/yr)	37.00	40.32	379.64	0.43	33.71
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	632.67	9.57 trips/dwelling unit	1,898.00	18,163.86
Apartments low rise	16.88	6.90 trips/dwelling unit	270.00	1,863.00
Retirement community	80.00	3.71 trips/dwelling unit	400.00	1,484.00
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	74.00	117.66
Regnl shop. center		42.94 trips/1000 sq. ft.	348.48	14,963.73
Goverment office building		68.93 trips/1000 sq. ft.	156.82	10,809.60
		Sum of Total Trips		49,465.85
		Total Vehicle Miles Traveled		273,180.45

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	31.33	5.48	10.60	0.05	0.04
TOTALS (tpy, mitigated)	31.33	5.48	10.60	0.05	0.04

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	75.90	89.22	827.74	0.58	45.60
TOTALS (tpy, mitigated)	68.79	79.93	741.42	0.52	40.84

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	107.23	94.70	838.34	0.63	45.64
TOTALS (tpy, mitigated)	100.12	85.40	752.01	0.57	40.88

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.41	5.35	2.77	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.98	0.13	7.83	0.05	0.03
Consumer Prdcts	24.81	-	-	-	-
Architectural Coatings	5.13	-	-	-	-
TOTALS (tpy, unmitigated)	31.33	5.48	10.60	0.05	0.04

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.41	5.35	2.77	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.98	0.13	7.83	0.05	0.03
Consumer Prdcts	24.81	-	-	-	-
Architectural Coatings	5.13	-	-	-	-
TOTALS (tpy, mitigated)	31.33	5.48	10.60	0.05	0.04

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	30.65	37.90	356.46	0.25	19.76
Apartments low rise	4.29	5.11	48.04	0.03	2.66
Retirement community	2.94	3.14	29.52	0.02	1.64
Elementary school	4.46	2.91	26.78	0.02	1.47
City park	0.27	0.21	1.89	0.00	0.11
Regnl shop. center	20.00	24.28	220.63	0.15	12.20
Goverment office building	13.30	15.67	144.42	0.10	7.77
TOTAL EMISSIONS (tons/yr)	75.90	89.22	827.74	0.58	45.60

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	749.00	9.57 trips/dwelling unit	2,247.00	21,503.79
Apartments low rise	26.25	6.90 trips/dwelling unit	420.00	2,898.00
Retirement community	96.00	3.71 trips/dwelling unit	480.00	1,780.80
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	86.80	138.01
Regnl shop. center		42.94 trips/1000 sq. ft.	435.60	18,704.66
Goverment office building		68.93 trips/1000 sq. ft.	182.95	12,610.74
		Sum of Total Trips		59,700.01
		Total Vehicle Miles Traveled		330,047.73

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	27.98	34.24	322.00	0.23	17.85
Apartments low rise	3.79	4.42	41.60	0.03	2.31
Retirement community	2.37	2.36	22.16	0.02	1.23
Elementary school	4.24	2.63	24.19	0.02	1.33
City park	0.26	0.19	1.70	0.00	0.10
Regnl shop. center	18.12	21.94	199.30	0.14	11.02
Goverment office building	12.04	14.16	130.46	0.09	7.02
TOTAL EMISSIONS (tons/yr)	68.79	79.93	741.42	0.52	40.84
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	749.00	9.57 trips/dwelling unit	2,247.00	21,503.79
Apartments low rise	26.25	6.90 trips/dwelling unit	420.00	2,898.00
Retirement community	96.00	3.71 trips/dwelling unit	480.00	1,780.80
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	86.80	138.01
Regnl shop. center		42.94 trips/1000 sq. ft.	435.60	18,704.66
Goverment office building		68.93 trips/1000 sq. ft.	182.95	12,610.74
		Sum of Total Trips		59,700.01
		Total Vehicle Miles Traveled		330,047.73

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.70	1.10	98.70	0.20
Light Truck < 3,750 lbs	15.20	2.00	96.00	2.00
Light Truck 3,751- 5,750	16.20	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	68.80	31.20	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2010.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2010.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	31.33	5.48	10.60	0.05	0.04
TOTALS (tpy, mitigated)	31.33	5.48	10.60	0.05	0.04

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	48.84	54.35	511.70	0.58	45.45
TOTALS (tpy, mitigated)	44.36	48.68	458.33	0.52	40.71

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	80.17	59.82	522.30	0.63	45.48
TOTALS (tpy, mitigated)	75.69	54.16	468.93	0.57	40.74

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.41	5.35	2.77	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.98	0.13	7.83	0.05	0.03
Consumer Prdcts	24.81	-	-	-	-
Architectural Coatings	5.13	-	-	-	-
TOTALS (tpy, unmitigated)	31.33	5.48	10.60	0.05	0.04

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.41	5.35	2.77	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	0.98	0.13	7.83	0.05	0.03
Consumer Prdcts	24.81	-	-	-	-
Architectural Coatings	5.13	-	-	-	-
TOTALS (tpy, mitigated)	31.33	5.48	10.60	0.05	0.04

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	19.65	23.03	220.48	0.25	19.69
Apartments low rise	2.77	3.10	29.71	0.03	2.65
Retirement community	1.93	1.91	18.26	0.02	1.63
Elementary school	3.12	1.77	16.55	0.02	1.47
City park	0.19	0.13	1.16	0.00	0.11
Regnl shop. center	12.72	14.82	136.21	0.15	12.15
Goverment office building	8.46	9.58	89.33	0.10	7.74
TOTAL EMISSIONS (tons/yr)	48.84	54.35	511.70	0.58	45.45

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	749.00	9.57 trips/dwelling unit	2,247.00	21,503.79
Apartments low rise	26.25	6.90 trips/dwelling unit	420.00	2,898.00
Retirement community	96.00	3.71 trips/dwelling unit	480.00	1,780.80
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	86.80	138.01
Regnl shop. center		42.94 trips/1000 sq. ft.	435.60	18,704.66
Goverment office building		68.93 trips/1000 sq. ft.	182.95	12,610.74
		Sum of Total Trips		59,700.01
		Total Vehicle Miles Traveled		330,047.73

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	17.98	20.81	199.16	0.23	17.79
Apartments low rise	2.46	2.69	25.73	0.03	2.30
Retirement community	1.58	1.43	13.71	0.02	1.22
Elementary school	2.98	1.60	14.95	0.02	1.33
City park	0.18	0.12	1.05	0.00	0.10
Regnl shop. center	11.53	13.39	123.04	0.14	10.98
Goverment office building	7.66	8.65	80.69	0.09	6.99
TOTAL EMISSIONS (tons/yr)	44.36	48.68	458.33	0.52	40.71
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	749.00	9.57 trips/dwelling unit	2,247.00	21,503.79
Apartments low rise	26.25	6.90 trips/dwelling unit	420.00	2,898.00
Retirement community	96.00	3.71 trips/dwelling unit	480.00	1,780.80
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	86.80	138.01
Regnl shop. center		42.94 trips/1000 sq. ft.	435.60	18,704.66
Goverment office building		68.93 trips/1000 sq. ft.	182.95	12,610.74
		Sum of Total Trips		59,700.01
		Total Vehicle Miles Traveled		330,047.73

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	36.03	6.30	12.24	0.06	0.04
TOTALS (tpy, mitigated)	36.03	6.30	12.24	0.06	0.04

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	55.16	61.56	579.83	0.65	51.50
TOTALS (tpy, mitigated)	50.08	55.14	519.31	0.59	46.12

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	91.18	67.86	592.07	0.71	51.54
TOTALS (tpy, mitigated)	86.11	61.44	531.54	0.64	46.17

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.47	6.15	3.18	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.14	0.15	9.06	0.06	0.03
Consumer Prdcts	28.51	-	-	-	-
Architectural Coatings	5.92	-	-	-	-
TOTALS (tpy, unmitigated)	36.03	6.30	12.24	0.06	0.04

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.47	6.15	3.18	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.14	0.15	9.06	0.06	0.03
Consumer Prdcts	28.51	-	-	-	-
Architectural Coatings	5.92	-	-	-	-
TOTALS (tpy, mitigated)	36.03	6.30	12.24	0.06	0.04

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	22.71	26.61	254.72	0.29	22.75
Apartments low rise	3.04	3.40	32.54	0.04	2.91
Retirement community	2.26	2.23	21.30	0.02	1.90
Elementary school	3.12	1.77	16.55	0.02	1.47
City park	0.22	0.15	1.39	0.00	0.13
Regnl shop. center	13.99	16.31	149.83	0.17	13.37
General office building	0.16	0.15	1.40	0.00	0.13
Goverment office building	9.67	10.94	102.09	0.11	8.85
TOTAL EMISSIONS (tons/yr)	55.16	61.56	579.83	0.65	51.50

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	865.33	9.57 trips/dwelling unit	2,596.00	24,843.72
Apartments low rise	28.75	6.90 trips/dwelling unit	460.00	3,174.00
Retirement community	112.00	3.71 trips/dwelling unit	560.00	2,077.60
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	103.60	164.72
Regnl shop. center		42.94 trips/1000 sq. ft.	479.16	20,575.13
General office building		3.32 trips/1000 sq. ft.	43.56	144.62
Goverment office building		68.93 trips/1000 sq. ft.	209.09	14,412.57
		Sum of Total Trips		67,456.37
		Total Vehicle Miles Traveled		374,015.50

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	20.77	24.04	230.10	0.26	20.55
Apartments low rise	2.69	2.94	28.18	0.03	2.52
Retirement community	1.84	1.67	15.99	0.02	1.43
Elementary school	2.98	1.60	14.95	0.02	1.33
City park	0.21	0.14	1.25	0.00	0.12
Regnl shop. center	12.68	14.73	135.35	0.15	12.08
General office building	0.15	0.14	1.27	0.00	0.12
Goverment office building	8.75	9.89	92.22	0.10	7.99
TOTAL EMISSIONS (tons/yr)	50.08	55.14	519.31	0.59	46.12
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	865.33	9.57 trips/dwelling unit	2,596.00	24,843.72
Apartments low rise	28.75	6.90 trips/dwelling unit	460.00	3,174.00
Retirement community	112.00	3.71 trips/dwelling unit	560.00	2,077.60
Elementary school		1.29 trips/students	1,600.00	2,064.00
City park		1.59 trips/acres	103.60	164.72
Regnl shop. center		42.94 trips/1000 sq. ft.	479.16	20,575.13
General office building		3.32 trips/1000 sq. ft.	43.56	144.62
Goverment office building		68.93 trips/1000 sq. ft.	209.09	14,412.57
		Sum of Total Trips		67,456.37
		Total Vehicle Miles Traveled		374,015.50

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	41.00	7.46	14.17	0.06	0.05
TOTALS (tpy, mitigated)	41.00	7.46	14.17	0.06	0.05

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	65.45	71.54	673.82	0.76	59.87
TOTALS (tpy, mitigated)	59.57	64.10	603.64	0.68	53.63

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	106.45	79.01	688.00	0.82	59.92
TOTALS (tpy, mitigated)	100.57	71.57	617.82	0.75	53.68

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.55	7.30	3.88	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.29	0.17	10.30	0.06	0.03
Consumer Prdcts	32.21	-	-	-	-
Architectural Coatings	6.95	-	-	-	-
TOTALS (tpy, unmitigated)	41.00	7.46	14.17	0.06	0.05

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.55	7.30	3.88	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.29	0.17	10.30	0.06	0.03
Consumer Prdcts	32.21	-	-	-	-
Architectural Coatings	6.95	-	-	-	-
TOTALS (tpy, mitigated)	41.00	7.46	14.17	0.06	0.05

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	25.76	30.19	288.96	0.33	25.81
Apartments low rise	3.30	3.70	35.37	0.04	3.16
Retirement community	2.58	2.54	24.34	0.03	2.17
Elementary school	6.24	3.54	33.11	0.04	2.94
City park	0.26	0.17	1.59	0.00	0.15
Regnl shop. center	15.26	17.79	163.45	0.18	14.58
General office building	0.32	0.30	2.81	0.00	0.26
Goverment office building	11.08	12.54	116.98	0.13	10.14
General light industry	0.66	0.77	7.21	0.01	0.67
TOTAL EMISSIONS (tons/yr)	65.45	71.54	673.82	0.76	59.87

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	981.67	9.57 trips/dwelling unit	2,945.00	28,183.65
Apartments low rise	31.25	6.90 trips/dwelling unit	500.00	3,450.00
Retirement community	128.00	3.71 trips/dwelling unit	640.00	2,374.40
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	118.40	188.26
Regnl shop. center		42.94 trips/1000 sq. ft.	522.72	22,445.60
General office building		3.32 trips/1000 sq. ft.	87.12	289.24
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	96.92	675.53
		Sum of Total Trips		78,248.92
		Total Vehicle Miles Traveled		434,801.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	23.57	27.27	261.03	0.30	23.32
Apartments low rise	2.93	3.20	30.63	0.03	2.74
Retirement community	2.10	1.91	18.27	0.02	1.63
Elementary school	5.96	3.20	29.91	0.03	2.65
City park	0.24	0.16	1.43	0.00	0.13
Regnl shop. center	13.84	16.07	147.65	0.17	13.17
General office building	0.30	0.27	2.54	0.00	0.23
Goverment office building	10.03	11.33	105.67	0.12	9.16
General light industry	0.61	0.69	6.51	0.01	0.60
TOTAL EMISSIONS (tons/yr)	59.57	64.10	603.64	0.68	53.63
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	981.67	9.57 trips/dwelling unit	2,945.00	28,183.65
Apartments low rise	31.25	6.90 trips/dwelling unit	500.00	3,450.00
Retirement community	128.00	3.71 trips/dwelling unit	640.00	2,374.40
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	118.40	188.26
Regnl shop. center		42.94 trips/1000 sq. ft.	522.72	22,445.60
General office building		3.32 trips/1000 sq. ft.	87.12	289.24
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	96.92	675.53
		Sum of Total Trips		78,248.92
		Total Vehicle Miles Traveled		434,801.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2 .
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	41.00	7.46	14.17	0.06	0.05
TOTALS (tpy, mitigated)	41.00	7.46	14.17	0.06	0.05

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	48.17	48.96	487.48	0.76	59.74
TOTALS (tpy, mitigated)	43.90	43.87	436.70	0.68	53.52

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	89.17	56.43	501.65	0.82	59.79
TOTALS (tpy, mitigated)	84.91	51.33	450.88	0.74	53.56

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.55	7.30	3.88	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.29	0.17	10.30	0.06	0.03
Consumer Prdcts	32.21	-	-	-	-
Architectural Coatings	6.95	-	-	-	-
TOTALS (tpy, unmitigated)	41.00	7.46	14.17	0.06	0.05

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.55	7.30	3.88	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.29	0.17	10.30	0.06	0.03
Consumer Prdcts	32.21	-	-	-	-
Architectural Coatings	6.95	-	-	-	-
TOTALS (tpy, mitigated)	41.00	7.46	14.17	0.06	0.05

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	18.89	20.66	209.33	0.33	25.76
Apartments low rise	2.43	2.53	25.62	0.04	3.15
Retirement community	1.92	1.74	17.64	0.03	2.17
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.20	0.12	1.15	0.00	0.15
Regnl shop. center	11.13	12.18	118.11	0.18	14.55
General office building	0.24	0.21	2.04	0.00	0.26
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	0.49	0.53	5.23	0.01	0.66
TOTAL EMISSIONS (tons/yr)	48.17	48.96	487.48	0.76	59.74

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	981.67	9.57 trips/dwelling unit	2,945.00	28,183.65
Apartments low rise	31.25	6.90 trips/dwelling unit	500.00	3,450.00
Retirement community	128.00	3.71 trips/dwelling unit	640.00	2,374.40
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	118.40	188.26
Regnl shop. center		42.94 trips/1000 sq. ft.	522.72	22,445.60
General office building		3.32 trips/1000 sq. ft.	87.12	289.24
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	96.92	675.53
		Sum of Total Trips		78,248.92
		Total Vehicle Miles Traveled		434,801.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	17.30	18.66	189.09	0.30	23.27
Apartments low rise	2.16	2.19	22.19	0.03	2.73
Retirement community	1.58	1.31	13.24	0.02	1.63
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.19	0.11	1.04	0.00	0.13
Regnl shop. center	10.10	11.00	106.69	0.17	13.14
General office building	0.22	0.19	1.84	0.00	0.23
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	0.45	0.48	4.73	0.01	0.60
TOTAL EMISSIONS (tons/yr)	43.90	43.87	436.70	0.68	53.52
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	981.67	9.57 trips/dwelling unit	2,945.00	28,183.65
Apartments low rise	31.25	6.90 trips/dwelling unit	500.00	3,450.00
Retirement community	128.00	3.71 trips/dwelling unit	640.00	2,374.40
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	118.40	188.26
Regnl shop. center		42.94 trips/1000 sq. ft.	522.72	22,445.60
General office building		3.32 trips/1000 sq. ft.	87.12	289.24
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	96.92	675.53
		Sum of Total Trips		78,248.92
		Total Vehicle Miles Traveled		434,801.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	45.78	8.25	15.73	0.07	0.05
TOTALS (tpy, mitigated)	45.78	8.25	15.73	0.07	0.05

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	71.22	78.16	736.37	0.83	65.48
TOTALS (tpy, mitigated)	64.80	70.02	659.58	0.74	58.65

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	116.99	86.41	752.11	0.90	65.54
TOTALS (tpy, mitigated)	110.58	78.26	675.31	0.82	58.71

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.61	8.06	4.26	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.44	0.19	11.47	0.07	0.04
Consumer Prdcts	35.90	-	-	-	-
Architectural Coatings	7.82	-	-	-	-
TOTALS (tpy, unmitigated)	45.78	8.25	15.73	0.07	0.05

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.61	8.06	4.26	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.44	0.19	11.47	0.07	0.04
Consumer Prdcts	35.90	-	-	-	-
Architectural Coatings	7.82	-	-	-	-
TOTALS (tpy, mitigated)	45.78	8.25	15.73	0.07	0.05

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	28.81	33.77	323.21	0.37	28.87
Apartments low rise	3.56	3.99	38.20	0.04	3.41
Retirement community	2.90	2.86	27.39	0.03	2.45
Elementary school	6.24	3.54	33.11	0.04	2.94
City park	0.29	0.20	1.78	0.00	0.17
Regnl shop. center	16.53	19.27	177.07	0.20	15.80
General office building	0.48	0.45	4.21	0.00	0.39
Goverment office building	11.08	12.54	116.98	0.13	10.14
General light industry	1.33	1.54	14.42	0.02	1.33
TOTAL EMISSIONS (tons/yr)	71.22	78.16	736.37	0.83	65.48

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,098.00	9.57 trips/dwelling unit	3,294.00	31,523.58
Apartments low rise	33.75	6.90 trips/dwelling unit	540.00	3,726.00
Retirement community	144.00	3.71 trips/dwelling unit	720.00	2,671.20
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	133.20	211.79
Regnl shop. center		42.94 trips/1000 sq. ft.	566.28	24,316.06
General office building		3.32 trips/1000 sq. ft.	130.68	433.86
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	193.84	1,351.06
		Sum of Total Trips		84,875.80
		Total Vehicle Miles Traveled		475,560.10

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	26.36	30.50	291.96	0.33	26.08
Apartments low rise	3.16	3.46	33.08	0.04	2.95
Retirement community	2.37	2.15	20.56	0.02	1.84
Elementary school	5.96	3.20	29.91	0.03	2.65
City park	0.27	0.18	1.61	0.00	0.15
Regnl shop. center	14.99	17.41	159.95	0.18	14.27
General office building	0.44	0.41	3.81	0.00	0.35
Goverment office building	10.03	11.33	105.67	0.12	9.16
General light industry	1.22	1.39	13.03	0.02	1.20
TOTAL EMISSIONS (tons/yr)	64.80	70.02	659.58	0.74	58.65
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,098.00	9.57 trips/dwelling unit	3,294.00	31,523.58
Apartments low rise	33.75	6.90 trips/dwelling unit	540.00	3,726.00
Retirement community	144.00	3.71 trips/dwelling unit	720.00	2,671.20
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	133.20	211.79
Regnl shop. center		42.94 trips/1000 sq. ft.	566.28	24,316.06
General office building		3.32 trips/1000 sq. ft.	130.68	433.86
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	193.84	1,351.06
		Sum of Total Trips		84,875.80
		Total Vehicle Miles Traveled		475,560.10

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	45.78	8.25	15.73	0.07	0.05
TOTALS (tpy, mitigated)	45.78	8.25	15.73	0.07	0.05

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	52.40	53.49	532.78	0.83	65.34
TOTALS (tpy, mitigated)	47.75	47.92	477.21	0.74	58.52

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	98.17	61.74	548.51	0.90	65.39
TOTALS (tpy, mitigated)	93.53	56.17	492.94	0.81	58.57

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.61	8.06	4.26	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.44	0.19	11.47	0.07	0.04
Consumer Prdcts	35.90	-	-	-	-
Architectural Coatings	7.82	-	-	-	-
TOTALS (tpy, unmitigated)	45.78	8.25	15.73	0.07	0.05

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.61	8.06	4.26	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.44	0.19	11.47	0.07	0.04
Consumer Prdcts	35.90	-	-	-	-
Architectural Coatings	7.82	-	-	-	-
TOTALS (tpy, mitigated)	45.78	8.25	15.73	0.07	0.05

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	21.13	23.11	234.14	0.37	28.81
Apartments low rise	2.62	2.73	27.67	0.04	3.40
Retirement community	2.16	1.96	19.84	0.03	2.44
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.22	0.13	1.29	0.00	0.17
Regnl shop. center	12.06	13.19	127.95	0.20	15.76
General office building	0.36	0.31	3.06	0.00	0.39
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	0.98	1.05	10.47	0.02	1.33
TOTAL EMISSIONS (tons/yr)	52.40	53.49	532.78	0.83	65.34

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,098.00	9.57 trips/dwelling unit	3,294.00	31,523.58
Apartments low rise	33.75	6.90 trips/dwelling unit	540.00	3,726.00
Retirement community	144.00	3.71 trips/dwelling unit	720.00	2,671.20
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	133.20	211.79
Regnl shop. center		42.94 trips/1000 sq. ft.	566.28	24,316.06
General office building		3.32 trips/1000 sq. ft.	130.68	433.86
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	193.84	1,351.06
		Sum of Total Trips		84,875.80
		Total Vehicle Miles Traveled		475,560.10

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	19.36	20.88	211.50	0.33	26.02
Apartments low rise	2.33	2.37	23.96	0.04	2.95
Retirement community	1.77	1.47	14.89	0.02	1.83
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.21	0.12	1.17	0.00	0.15
Regnl shop. center	10.94	11.92	115.58	0.18	14.24
General office building	0.33	0.28	2.76	0.00	0.35
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	0.90	0.95	9.45	0.02	1.20
TOTAL EMISSIONS (tons/yr)	47.75	47.92	477.21	0.74	58.52
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,098.00	9.57 trips/dwelling unit	3,294.00	31,523.58
Apartments low rise	33.75	6.90 trips/dwelling unit	540.00	3,726.00
Retirement community	144.00	3.71 trips/dwelling unit	720.00	2,671.20
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	133.20	211.79
Regnl shop. center		42.94 trips/1000 sq. ft.	566.28	24,316.06
General office building		3.32 trips/1000 sq. ft.	130.68	433.86
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	193.84	1,351.06
		Sum of Total Trips		84,875.80
		Total Vehicle Miles Traveled		475,560.10

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	52.25	9.31	17.63	0.08	0.06
TOTALS (tpy, mitigated)	52.25	9.31	17.63	0.08	0.06

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	79.48	87.60	825.26	0.93	73.45
TOTALS (tpy, mitigated)	72.25	78.41	738.57	0.83	65.73

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	131.72	96.90	842.89	1.01	73.51
TOTALS (tpy, mitigated)	124.50	87.71	756.20	0.92	65.79

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.69	9.10	4.79	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.61	0.21	12.84	0.08	0.04
Consumer Prdcts	41.02	-	-	-	-
Architectural Coatings	8.92	-	-	-	-
TOTALS (tpy, unmitigated)	52.25	9.31	17.63	0.08	0.06

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.69	9.10	4.79	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.61	0.21	12.84	0.08	0.04
Consumer Prdcts	41.02	-	-	-	-
Architectural Coatings	8.92	-	-	-	-
TOTALS (tpy, mitigated)	52.25	9.31	17.63	0.08	0.06

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	32.12	37.58	359.75	0.41	32.13
Apartments low rise	4.55	5.10	48.81	0.06	4.36
Retirement community	3.22	3.18	30.43	0.03	2.72
Elementary school	6.24	3.54	33.11	0.04	2.94
City park	0.32	0.22	1.98	0.00	0.18
Regnl shop. center	19.33	22.53	207.04	0.23	18.47
General office building	0.62	0.59	5.53	0.01	0.51
Goverment office building	11.08	12.54	116.98	0.13	10.14
General light industry	1.99	2.31	21.64	0.03	2.00
TOTAL EMISSIONS (tons/yr)	79.48	87.60	825.26	0.93	73.45

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.45 trips/dwelling unit	3,713.00	35,087.85
Apartments low rise	43.13	6.90 trips/dwelling unit	690.00	4,761.00
Retirement community	160.00	3.71 trips/dwelling unit	800.00	2,968.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	662.11	28,431.00
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	290.76	2,026.60
		Sum of Total Trips		94,720.74
		Total Vehicle Miles Traveled		533,389.68

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	29.35	33.90	324.53	0.37	28.99
Apartments low rise	4.04	4.42	42.27	0.05	3.78
Retirement community	2.63	2.39	22.84	0.03	2.04
Elementary school	5.96	3.20	29.91	0.03	2.65
City park	0.30	0.20	1.79	0.00	0.17
Regnl shop. center	17.53	20.36	187.02	0.21	16.69
General office building	0.58	0.54	4.99	0.01	0.46
Goverment office building	10.03	11.33	105.67	0.12	9.16
General light industry	1.83	2.08	19.54	0.02	1.80
TOTAL EMISSIONS (tons/yr)	72.25	78.41	738.57	0.83	65.73
PERCENTAGE REDUCTION %	9	10	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.45 trips/dwelling unit	3,713.00	35,087.85
Apartments low rise	43.13	6.90 trips/dwelling unit	690.00	4,761.00
Retirement community	160.00	3.71 trips/dwelling unit	800.00	2,968.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	662.11	28,431.00
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	290.76	2,026.60
		Sum of Total Trips		94,720.74
		Total Vehicle Miles Traveled		533,389.68

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1237.67 to 9.45/1141

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	52.25	9.31	17.63	0.08	0.06
TOTALS (tpy, mitigated)	52.25	9.31	17.63	0.08	0.06

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	58.46	59.95	597.12	0.93	73.28
TOTALS (tpy, mitigated)	53.23	53.66	534.39	0.83	65.58

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	110.71	69.26	614.75	1.01	73.34
TOTALS (tpy, mitigated)	105.47	62.97	552.02	0.91	65.64

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.69	9.10	4.79	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.61	0.21	12.84	0.08	0.04
Consumer Prdcts	41.02	-	-	-	-
Architectural Coatings	8.92	-	-	-	-
TOTALS (tpy, unmitigated)	52.25	9.31	17.63	0.08	0.06

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.69	9.10	4.79	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.61	0.21	12.84	0.08	0.04
Consumer Prdcts	41.02	-	-	-	-
Architectural Coatings	8.92	-	-	-	-
TOTALS (tpy, mitigated)	52.25	9.31	17.63	0.08	0.06

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	23.56	25.72	260.61	0.41	32.06
Apartments low rise	3.35	3.49	35.36	0.06	4.35
Retirement community	2.40	2.18	22.04	0.03	2.71
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	14.10	15.42	149.61	0.23	18.43
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	1.47	1.58	15.70	0.03	1.99
TOTAL EMISSIONS (tons/yr)	58.46	59.95	597.12	0.93	73.28

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.45 trips/dwelling unit	3,713.00	35,087.85
Apartments low rise	43.13	6.90 trips/dwelling unit	690.00	4,761.00
Retirement community	160.00	3.71 trips/dwelling unit	800.00	2,968.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	662.11	28,431.00
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	290.76	2,026.60
		Sum of Total Trips		94,720.74
		Total Vehicle Miles Traveled		533,389.68

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	21.56	23.20	235.10	0.37	28.93
Apartments low rise	2.98	3.02	30.62	0.05	3.77
Retirement community	1.97	1.63	16.55	0.03	2.04
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	12.79	13.93	135.14	0.21	16.65
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	1.35	1.43	14.18	0.02	1.80
TOTAL EMISSIONS (tons/yr)	53.23	53.66	534.39	0.83	65.58
PERCENTAGE REDUCTION %	9	10	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.45 trips/dwelling unit	3,713.00	35,087.85
Apartments low rise	43.13	6.90 trips/dwelling unit	690.00	4,761.00
Retirement community	160.00	3.71 trips/dwelling unit	800.00	2,968.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	662.11	28,431.00
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	290.76	2,026.60
		Sum of Total Trips		94,720.74
		Total Vehicle Miles Traveled		533,389.68

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1237.67 to 9.45/1141

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	57.48	10.26	19.49	0.09	0.06
TOTALS (tpy, mitigated)	57.48	10.26	19.49	0.09	0.06

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	87.26	96.53	909.00	1.03	80.95
TOTALS (tpy, mitigated)	79.26	86.35	813.02	0.92	72.40

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	144.75	106.79	928.49	1.12	81.01
TOTALS (tpy, mitigated)	136.75	96.61	832.51	1.01	72.46

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.76	10.02	5.28	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.78	0.23	14.21	0.09	0.05
Consumer Prdcts	45.03	-	-	-	-
Architectural Coatings	9.92	-	-	-	-
TOTALS (tpy, unmitigated)	57.48	10.26	19.49	0.09	0.06

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.76	10.02	5.28	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.78	0.23	14.21	0.09	0.05
Consumer Prdcts	45.03	-	-	-	-
Architectural Coatings	9.92	-	-	-	-
TOTALS (tpy, mitigated)	57.48	10.26	19.49	0.09	0.06

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	35.20	41.11	393.48	0.45	35.15
Apartments low rise	4.62	5.17	49.52	0.06	4.42
Retirement community	3.55	3.50	33.47	0.04	2.99
Elementary school	6.24	3.54	33.11	0.04	2.94
City park	0.32	0.22	1.98	0.00	0.18
Regnl shop. center	22.97	26.78	246.09	0.28	21.96
General office building	0.62	0.59	5.53	0.01	0.51
Goverment office building	11.08	12.54	116.98	0.13	10.14
General light industry	2.66	3.07	28.85	0.03	2.66
TOTAL EMISSIONS (tons/yr)	87.26	96.53	909.00	1.03	80.95

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,140.00	9.29 trips/dwelling unit	4,131.00	38,376.99
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	176.00	3.71 trips/dwelling unit	880.00	3,264.80
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	787.02	33,794.64
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	387.68	2,702.13
		Sum of Total Trips		104,414.84
		Total Vehicle Miles Traveled		587,851.49

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	32.13	37.01	354.29	0.40	31.65
Apartments low rise	4.10	4.48	42.88	0.05	3.83
Retirement community	2.89	2.63	25.13	0.03	2.24
Elementary school	5.96	3.20	29.91	0.03	2.65
City park	0.30	0.20	1.79	0.00	0.17
Regnl shop. center	20.83	24.20	222.30	0.25	19.84
General office building	0.58	0.54	4.99	0.01	0.46
Goverment office building	10.03	11.33	105.67	0.12	9.16
General light industry	2.44	2.78	26.06	0.03	2.41
TOTAL EMISSIONS (tons/yr)	79.26	86.35	813.02	0.92	72.40
PERCENTAGE REDUCTION %	9	11	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2015 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,140.00	9.29 trips/dwelling unit	4,131.00	38,376.99
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	176.00	3.71 trips/dwelling unit	880.00	3,264.80
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	787.023	3,794.64
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.581	6,514.25
General light industry		6.97 trips/1000 sq. ft.	387.68	2,702.13
		Sum of Total Trips		104,414.84
		Total Vehicle Miles Traveled		587,851.49

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1377. to 9.29/1140

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2015.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2015.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	57.48	10.26	19.49	0.09	0.06
TOTALS (tpy, mitigated)	57.48	10.26	19.49	0.09	0.06

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	64.17	66.07	657.73	1.02	80.76
TOTALS (tpy, mitigated)	58.37	59.10	588.27	0.92	72.23

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	121.65	76.32	677.21	1.11	80.83
TOTALS (tpy, mitigated)	115.86	69.36	607.75	1.01	72.30

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.76	10.02	5.28	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.78	0.23	14.21	0.09	0.05
Consumer Prdcts	45.03	-	-	-	-
Architectural Coatings	9.92	-	-	-	-
TOTALS (tpy, unmitigated)	57.48	10.26	19.49	0.09	0.06

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.76	10.02	5.28	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.78	0.23	14.21	0.09	0.05
Consumer Prdcts	45.03	-	-	-	-
Architectural Coatings	9.92	-	-	-	-
TOTALS (tpy, mitigated)	57.48	10.26	19.49	0.09	0.06

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	25.83	28.13	285.04	0.45	35.07
Apartments low rise	3.40	3.54	35.87	0.06	4.41
Retirement community	2.64	2.39	24.25	0.04	2.98
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	16.76	18.33	177.83	0.28	21.91
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	1.96	2.11	20.93	0.03	2.66
TOTAL EMISSIONS (tons/yr)	64.17	66.07	657.73	1.02	80.76

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,140.00	9.29 trips/dwelling unit	4,131.00	38,376.99
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	176.00	3.71 trips/dwelling unit	880.00	3,264.80
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	787.02	33,794.64
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	387.68	2,702.13
		Sum of Total Trips		104,414.84
		Total Vehicle Miles Traveled		587,851.49

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	23.60	25.33	256.65	0.40	31.58
Apartments low rise	3.03	3.07	31.06	0.05	3.82
Retirement community	2.17	1.80	18.20	0.03	2.24
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	15.20	16.56	160.64	0.25	19.79
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	1.80	1.90	18.91	0.03	2.40
TOTAL EMISSIONS (tons/yr)	58.37	59.10	588.27	0.92	72.23
PERCENTAGE REDUCTION %	9	11	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,140.00	9.29 trips/dwelling unit	4,131.00	38,376.99
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	176.00	3.71 trips/dwelling unit	880.00	3,264.80
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	787.02	33,794.64
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	387.68	2,702.13
		Sum of Total Trips		104,414.84
		Total Vehicle Miles Traveled		587,851.49

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1377. to 9.29/1140

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	61.24	10.93	20.82	0.10	0.07
TOTALS (tpy, mitigated)	61.24	10.93	20.82	0.10	0.07

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	68.41	70.63	703.00	1.09	86.36
TOTALS (tpy, mitigated)	62.21	63.17	628.66	0.98	77.23

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	129.65	81.56	723.82	1.19	86.43
TOTALS (tpy, mitigated)	123.45	74.11	649.48	1.08	77.30

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.81	10.68	5.62	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.90	0.25	15.20	0.10	0.05
Consumer Prdcts	47.86	-	-	-	-
Architectural Coatings	10.66	-	-	-	-
TOTALS (tpy, unmitigated)	61.24	10.93	20.82	0.10	0.07

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.81	10.68	5.62	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.90	0.25	15.20	0.10	0.05
Consumer Prdcts	47.86	-	-	-	-
Architectural Coatings	10.66	-	-	-	-
TOTALS (tpy, mitigated)	61.24	10.93	20.82	0.10	0.07

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	27.66	30.09	304.85	0.48	37.51
Apartments low rise	3.40	3.54	35.87	0.06	4.41
Retirement community	2.70	2.45	24.80	0.04	3.05
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	18.62	20.36	197.52	0.31	24.33
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	2.45	2.63	26.16	0.04	3.32
TOTAL EMISSIONS (tons/yr)	68.41	70.63	703.00	1.09	86.36

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.18 trips/dwelling unit	4,471.00	41,043.78
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	874.14	37,535.57
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	484.60	3,377.66

Sum of Total Trips 111,572.30
Total Vehicle Miles Traveled 628,575.64

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	25.26	27.06	274.13	0.43	33.73
Apartments low rise	3.03	3.07	31.06	0.05	3.82
Retirement community	2.22	1.84	18.62	0.03	2.29
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	16.89	18.39	178.42	0.28	21.98
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	2.25	2.38	23.64	0.04	3.00
TOTAL EMISSIONS (tons/yr)	62.21	63.17	628.66	0.98	77.23
PERCENTAGE REDUCTION %	9	11	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.18 trips/dwelling unit	4,471.00	41,043.78
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	874.14	37,535.57
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	484.60	3,377.66
		Sum of Total Trips		111,572.30
		Total Vehicle Miles Traveled		628,575.64

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1490.33 to 9.18/1141

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	63.96	11.46	21.80	0.10	0.07
TOTALS (tpy, mitigated)	63.96	11.46	21.80	0.10	0.07

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	72.11	74.61	742.37	1.16	91.23
TOTALS (tpy, mitigated)	65.56	66.73	663.85	1.03	81.58

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	136.07	86.07	764.17	1.26	91.30
TOTALS (tpy, mitigated)	129.52	78.19	685.65	1.14	81.65

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.85	11.20	5.90	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.99	0.26	15.90	0.10	0.05
Consumer Prdcts	49.88	-	-	-	-
Architectural Coatings	11.24	-	-	-	-
TOTALS (tpy, unmitigated)	63.96	11.46	21.80	0.10	0.07

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.85	11.20	5.90	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.99	0.26	15.90	0.10	0.05
Consumer Prdcts	49.88	-	-	-	-
Architectural Coatings	11.24	-	-	-	-
TOTALS (tpy, mitigated)	63.96	11.46	21.80	0.10	0.07

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	28.99	31.49	319.07	0.50	39.26
Apartments low rise	3.40	3.54	35.87	0.06	4.41
Retirement community	2.70	2.45	24.80	0.04	3.05
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	20.49	22.41	217.43	0.34	26.79
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	2.94	3.16	31.40	0.05	3.99
TOTAL EMISSIONS (tons/yr)	72.11	74.61	742.37	1.16	91.23

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.09 trips/dwelling unit	4,726.00	42,959.34
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	962.26	41,319.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	581.52	4,053.19
		Sum of Total Trips		117,947.26
		Total Vehicle Miles Traveled		664,013.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	26.45	28.29	286.60	0.45	35.26
Apartments low rise	3.03	3.07	31.06	0.05	3.82
Retirement community	2.22	1.84	18.62	0.03	2.29
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	18.59	20.25	196.41	0.30	24.20
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	2.70	2.85	28.36	0.05	3.60
TOTAL EMISSIONS (tons/yr)	65.56	66.73	663.85	1.03	81.58
PERCENTAGE REDUCTION %	9	11	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.09 trips/dwelling unit	4,726.00	42,959.34
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	962.26	41,319.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	581.52	4,053.19
		Sum of Total Trips		117,947.26
		Total Vehicle Miles Traveled		664,013.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1575.33 to 9.09/1141

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	63.96	11.46	21.80	0.10	0.07
TOTALS (tpy, mitigated)	63.96	11.46	21.80	0.10	0.07

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	51.49	50.61	506.19	1.16	91.07
TOTALS (tpy, mitigated)	46.84	45.27	452.65	1.03	81.43

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	115.45	62.07	527.99	1.26	91.14
TOTALS (tpy, mitigated)	110.80	56.72	474.45	1.14	81.51

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.85	11.20	5.90	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.99	0.26	15.90	0.10	0.05
Consumer Prdcts	49.88	-	-	-	-
Architectural Coatings	11.24	-	-	-	-
TOTALS (tpy, unmitigated)	63.96	11.46	21.80	0.10	0.07

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.85	11.20	5.90	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	1.99	0.26	15.90	0.10	0.05
Consumer Prdcts	49.88	-	-	-	-
Architectural Coatings	11.24	-	-	-	-
TOTALS (tpy, mitigated)	63.96	11.46	21.80	0.10	0.07

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	20.66	21.35	217.60	0.50	39.19
Apartments low rise	2.43	2.40	24.46	0.06	4.41
Retirement community	1.94	1.66	16.91	0.04	3.05
Elementary school	3.50	1.65	16.32	0.04	2.92
City park	0.18	0.10	0.98	0.00	0.18
Regnl shop. center	14.60	15.22	148.20	0.34	26.74
General office building	0.34	0.27	2.73	0.01	0.51
Goverment office building	5.75	5.83	57.61	0.13	10.09
General light industry	2.10	2.14	21.38	0.05	3.98
TOTAL EMISSIONS (tons/yr)	51.49	50.61	506.19	1.16	91.07

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.09 trips/dwelling unit	4,726.00	42,959.34
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	962.26	41,319.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	581.52	4,053.19
		Sum of Total Trips		117,947.26
		Total Vehicle Miles Traveled		664,013.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	18.86	19.17	195.45	0.45	35.20
Apartments low rise	2.16	2.08	21.18	0.05	3.82
Retirement community	1.60	1.25	12.70	0.03	2.29
Elementary school	3.35	1.49	14.75	0.03	2.64
City park	0.17	0.09	0.88	0.00	0.17
Regnl shop. center	13.25	13.75	133.87	0.30	24.15
General office building	0.31	0.25	2.46	0.01	0.46
Goverment office building	5.21	5.26	52.04	0.12	9.12
General light industry	1.93	1.93	19.32	0.05	3.59
TOTAL EMISSIONS (tons/yr)	46.84	45.27	452.65	1.03	81.43
PERCENTAGE REDUCTION %	9	11	11	11	11

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,141.00	9.09 trips/dwelling unit	4,726.00	42,959.34
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	962.26	41,319.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	581.52	4,053.19
		Sum of Total Trips		117,947.26
		Total Vehicle Miles Traveled		664,013.34

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

The Trip Rate and/or Acreage values for Single family housing
have changed from the defaults 9.57/1575.33 to 9.09/1141

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2025.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	66.65	11.97	22.77	0.11	0.08
TOTALS (tpy, mitigated)	66.65	11.97	22.77	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	77.37	80.58	801.83	1.25	98.57
TOTALS (tpy, mitigated)	70.48	72.28	719.19	1.12	88.41

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	144.03	92.55	824.60	1.36	98.64
TOTALS (tpy, mitigated)	137.13	84.26	741.96	1.23	88.48

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.89	11.70	6.18	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	11.83	-	-	-	-
TOTALS (tpy, unmitigated)	66.65	11.97	22.77	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.89	11.70	6.18	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	11.83	-	-	-	-
TOTALS (tpy, mitigated)	66.65	11.97	22.77	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	31.93	34.92	353.84	0.55	43.53
Apartments low rise	3.40	3.54	35.87	0.06	4.41
Retirement community	2.70	2.45	24.80	0.04	3.05
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	22.33	24.42	236.89	0.37	29.18
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	3.43	3.68	36.63	0.06	4.65
TOTAL EMISSIONS (tons/yr)	77.37	80.58	801.83	1.25	98.57

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,048.38	45,017.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	678.44	4,728.73
		Sum of Total Trips		127,000.91
		Total Vehicle Miles Traveled		717,430.08

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	29.25	31.55	319.63	0.50	39.33
Apartments low rise	3.03	3.07	31.06	0.05	3.82
Retirement community	2.22	1.84	18.62	0.03	2.29
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	20.25	22.06	213.99	0.33	26.36
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	3.15	3.33	33.09	0.05	4.20
TOTAL EMISSIONS (tons/yr)	70.48	72.28	719.19	1.12	88.41
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,048.38	45,017.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	678.44	4,728.73
		Sum of Total Trips		127,000.91
		Total Vehicle Miles Traveled		717,430.08

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.10.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	66.65	11.97	22.77	0.11	0.08
TOTALS (tpy, mitigated)	66.65	11.97	22.77	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	55.23	54.66	546.72	1.25	98.39
TOTALS (tpy, mitigated)	50.34	49.03	490.38	1.12	88.25

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	121.88	66.63	569.49	1.36	98.47
TOTALS (tpy, mitigated)	116.99	61.00	513.15	1.23	88.33

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.89	11.70	6.18	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	11.83	-	-	-	-
TOTALS (tpy, unmitigated)	66.65	11.97	22.77	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.89	11.70	6.18	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	11.83	-	-	-	-
TOTALS (tpy, mitigated)	66.65	11.97	22.77	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	22.74	23.67	241.30	0.55	43.46
Apartments low rise	2.43	2.40	24.46	0.06	4.41
Retirement community	1.94	1.66	16.91	0.04	3.05
Elementary school	3.50	1.65	16.32	0.04	2.92
City park	0.18	0.10	0.98	0.00	0.18
Regnl shop. center	15.91	16.58	161.46	0.37	29.13
General office building	0.34	0.27	2.73	0.01	0.51
Goverment office building	5.75	5.83	57.61	0.13	10.09
General light industry	2.45	2.50	24.95	0.06	4.64
TOTAL EMISSIONS (tons/yr)	55.23	54.66	546.72	1.25	98.39

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,048.38	45,017.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	678.44	4,728.73
		Sum of Total Trips		127,000.91
		Total Vehicle Miles Traveled		717,430.08

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	20.85	21.38	217.98	0.50	39.26
Apartments low rise	2.16	2.08	21.18	0.05	3.82
Retirement community	1.60	1.25	12.70	0.03	2.29
Elementary school	3.35	1.49	14.75	0.03	2.64
City park	0.17	0.09	0.88	0.00	0.17
Regnl shop. center	14.43	14.98	145.85	0.33	26.32
General office building	0.31	0.25	2.46	0.01	0.46
Goverment office building	5.21	5.26	52.04	0.12	9.12
General light industry	2.25	2.25	22.54	0.05	4.19
TOTAL EMISSIONS (tons/yr)	50.34	49.03	490.38	1.12	88.25
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,048.38	45,017.44
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	678.44	4,728.73
		Sum of Total Trips		127,000.91
		Total Vehicle Miles Traveled		717,430.08

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures
==========

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures
==========

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2025.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	66.88	12.13	22.90	0.11	0.08
TOTALS (tpy, mitigated)	66.88	12.13	22.90	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	79.72	83.13	826.75	1.29	101.65
TOTALS (tpy, mitigated)	72.61	74.59	741.70	1.16	91.20

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	146.60	95.26	849.64	1.39	101.73
TOTALS (tpy, mitigated)	139.49	86.72	764.59	1.26	91.27

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.90	11.86	6.31	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.04	-	-	-	-
TOTALS (tpy, unmitigated)	66.88	12.13	22.90	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.90	11.86	6.31	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.04	-	-	-	-
TOTALS (tpy, mitigated)	66.88	12.13	22.90	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	31.93	34.92	353.84	0.55	43.53
Apartments low rise	3.40	3.54	35.87	0.06	4.41
Retirement community	2.70	2.45	24.80	0.04	3.05
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	24.18	26.45	256.57	0.40	31.61
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	3.92	4.21	41.86	0.07	5.31
TOTAL EMISSIONS (tons/yr)	79.72	83.13	826.75	1.29	101.65

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,135.50	48,758.37
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	775.36	5,404.26
		Sum of Total Trips		131,417.37
		Total Vehicle Miles Traveled		739,926.55

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	29.25	31.55	319.63	0.50	39.33
Apartments low rise	3.03	3.07	31.06	0.05	3.82
Retirement community	2.22	1.84	18.62	0.03	2.29
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	21.94	23.89	231.77	0.36	28.55
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	3.61	3.80	37.82	0.06	4.80
TOTAL EMISSIONS (tons/yr)	72.61	74.59	741.70	1.16	91.20
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,135.50	48,758.37
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	775.36	5,404.26
		Sum of Total Trips		131,417.37
		Total Vehicle Miles Traveled		739,926.55

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	66.88	12.13	22.90	0.11	0.08
TOTALS (tpy, mitigated)	66.88	12.13	22.90	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	56.90	56.39	563.71	1.29	101.48
TOTALS (tpy, mitigated)	51.86	50.60	505.71	1.16	91.04

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	123.78	68.52	586.61	1.39	101.55
TOTALS (tpy, mitigated)	118.74	62.72	528.61	1.26	91.11

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.90	11.86	6.31	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.04	-	-	-	-
TOTALS (tpy, unmitigated)	66.88	12.13	22.90	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.90	11.86	6.31	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.04	-	-	-	-
TOTALS (tpy, mitigated)	66.88	12.13	22.90	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	22.74	23.67	241.30	0.55	43.46
Apartments low rise	2.43	2.40	24.46	0.06	4.41
Retirement community	1.94	1.66	16.91	0.04	3.05
Elementary school	3.50	1.65	16.32	0.04	2.92
City park	0.18	0.10	0.98	0.00	0.18
Regnl shop. center	17.23	17.96	174.88	0.40	31.55
General office building	0.34	0.27	2.73	0.01	0.51
Goverment office building	5.75	5.83	57.61	0.13	10.09
General light industry	2.80	2.85	28.51	0.07	5.31
TOTAL EMISSIONS (tons/yr)	56.90	56.39	563.71	1.29	101.48

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,135.50	48,758.37
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	775.36	5,404.26
		Sum of Total Trips		131,417.37
		Total Vehicle Miles Traveled		739,926.55

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	20.85	21.38	217.98	0.50	39.26
Apartments low rise	2.16	2.08	21.18	0.05	3.82
Retirement community	1.60	1.25	12.70	0.03	2.29
Elementary school	3.35	1.49	14.75	0.03	2.64
City park	0.17	0.09	0.88	0.00	0.17
Regnl shop. center	15.63	16.22	157.97	0.36	28.50
General office building	0.31	0.25	2.46	0.01	0.46
Goverment office building	5.21	5.26	52.04	0.12	9.12
General light industry	2.58	2.58	25.76	0.06	4.79
TOTAL EMISSIONS (tons/yr)	51.86	50.60	505.71	1.16	91.04
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,135.50	48,758.37
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	775.36	5,404.26
		Sum of Total Trips		131,417.37
		Total Vehicle Miles Traveled		739,926.55

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2025.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	67.07	12.24	22.99	0.11	0.08
TOTALS (tpy, mitigated)	67.07	12.24	22.99	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	81.56	85.14	846.35	1.32	104.09
TOTALS (tpy, mitigated)	74.29	76.40	759.40	1.18	93.40

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	148.63	97.38	869.34	1.42	104.17
TOTALS (tpy, mitigated)	141.36	88.65	782.40	1.29	93.47

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.91	11.97	6.40	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.23	-	-	-	-
TOTALS (tpy, unmitigated)	67.07	12.24	22.99	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.91	11.97	6.40	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.23	-	-	-	-
TOTALS (tpy, mitigated)	67.07	12.24	22.99	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	31.93	34.92	353.84	0.55	43.53
Apartments low rise	3.40	3.54	35.87	0.06	4.41
Retirement community	2.70	2.45	24.80	0.04	3.05
Elementary school	4.80	2.43	23.94	0.04	2.93
City park	0.25	0.15	1.44	0.00	0.18
Regnl shop. center	25.54	27.93	270.94	0.42	33.38
General office building	0.47	0.41	4.01	0.01	0.51
Goverment office building	8.06	8.58	84.42	0.13	10.11
General light industry	4.41	4.74	47.10	0.08	5.98
TOTAL EMISSIONS (tons/yr)	81.56	85.14	846.35	1.32	104.09

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,199.10	51,489.27
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	872.28	6,079.79
		Sum of Total Trips		134,823.81
		Total Vehicle Miles Traveled		757,655.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	29.25	31.55	319.63	0.50	39.33
Apartments low rise	3.03	3.07	31.06	0.05	3.82
Retirement community	2.22	1.84	18.62	0.03	2.29
Elementary school	4.60	2.19	21.62	0.03	2.65
City park	0.23	0.13	1.30	0.00	0.17
Regnl shop. center	23.16	25.23	244.75	0.38	30.15
General office building	0.44	0.37	3.62	0.01	0.46
Goverment office building	7.30	7.75	76.26	0.12	9.13
General light industry	4.06	4.28	42.54	0.07	5.40
TOTAL EMISSIONS (tons/yr)	74.29	76.40	759.40	1.18	93.40
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,199.105	1,489.27
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.581	6,514.25
General light industry		6.97 trips/1000 sq. ft.	872.28	6,079.79
		Sum of Total Trips		134,823.81
		Total Vehicle Miles Traveled		757,655.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.40	0.40	99.40	0.20
Light Truck < 3,750 lbs	15.30	0.70	98.00	1.30
Light Truck 3,751- 5,750	16.40	0.60	98.80	0.60
Med Truck 5,751- 8,500	7.30	0.00	98.60	1.40
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	50.00	50.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.50	0.00	93.30	6.70

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2020.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	67.07	12.24	22.99	0.11	0.08
TOTALS (tpy, mitigated)	67.07	12.24	22.99	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	58.22	57.75	577.06	1.32	103.91
TOTALS (tpy, mitigated)	53.06	51.83	517.78	1.18	93.23

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	125.29	69.99	600.06	1.43	103.99
TOTALS (tpy, mitigated)	120.13	64.07	540.78	1.29	93.31

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.91	11.97	6.40	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.23	-	-	-	-
TOTALS (tpy, unmitigated)	67.07	12.24	22.99	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.91	11.97	6.40	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.23	-	-	-	-
TOTALS (tpy, mitigated)	67.07	12.24	22.99	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	22.74	23.67	241.30	0.55	43.46
Apartments low rise	2.43	2.40	24.46	0.06	4.41
Retirement community	1.94	1.66	16.91	0.04	3.05
Elementary school	3.50	1.65	16.32	0.04	2.92
City park	0.18	0.10	0.98	0.00	0.18
Regnl shop. center	18.20	18.96	184.67	0.42	33.32
General office building	0.34	0.27	2.73	0.01	0.51
Goverment office building	5.75	5.83	57.61	0.13	10.09
General light industry	3.15	3.21	32.08	0.08	5.97
TOTAL EMISSIONS (tons/yr)	58.22	57.75	577.06	1.32	103.91

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,199.10	51,489.27
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	872.28	6,079.79
		Sum of Total Trips		134,823.81
		Total Vehicle Miles Traveled		757,655.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	20.85	21.38	217.98	0.50	39.26
Apartments low rise	2.16	2.08	21.18	0.05	3.82
Retirement community	1.60	1.25	12.70	0.03	2.29
Elementary school	3.35	1.49	14.75	0.03	2.64
City park	0.17	0.09	0.88	0.00	0.17
Regnl shop. center	16.51	17.13	166.82	0.38	30.10
General office building	0.31	0.25	2.46	0.01	0.46
Goverment office building	5.21	5.26	52.04	0.12	9.12
General light industry	2.90	2.90	28.98	0.07	5.39
TOTAL EMISSIONS (tons/yr)	53.06	51.83	517.78	1.18	93.23
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,199.10	51,489.27
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	872.28	6,079.79
		Sum of Total Trips		134,823.81
		Total Vehicle Miles Traveled		757,655.22

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2025.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

2025

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	67.18	12.24	22.99	0.11	0.08
TOTALS (tpy, mitigated)	67.18	12.24	22.99	0.11	0.08

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	58.57	58.11	580.63	1.33	104.57
TOTALS (tpy, mitigated)	53.38	52.15	521.00	1.19	93.83

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (tpy, unmitigated)	125.75	70.35	603.62	1.43	104.65
TOTALS (tpy, mitigated)	120.56	64.39	544.00	1.30	93.91

URBEMIS 2002 For Windows 8.7.0

File Name: H:\ClientData\Castle and Cooke\Gateway Project Madera\GATEWAY AIR STUDY 8-17-06 (distrib
Project Name: Gateway Village Operations
Project Location: Non-Residential Template
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Tons/Year)

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Unmitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.91	11.97	6.40	0.00	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.34	-	-	-	-
TOTALS (tpy, unmitigated)	67.18	12.24	22.99	0.11	0.08

AREA SOURCE EMISSION ESTIMATES (Tons per Year, Mitigated)

Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.91	11.97	6.40	0	0.02
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping	2.08	0.27	16.59	0.11	0.05
Consumer Prdcts	51.86	-	-	-	-
Architectural Coatings	12.34	-	-	-	-
TOTALS (tpy, mitigated)	67.18	12.24	22.99	0.11	0.08

Area Source Mitigation Measures

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	22.74	23.67	241.30	0.55	43.46
Apartments low rise	2.43	2.40	24.46	0.06	4.41
Retirement community	1.94	1.66	16.91	0.04	3.05
Elementary school	3.50	1.65	16.32	0.04	2.92
City park	0.18	0.10	0.98	0.00	0.18
Regnl shop. center	18.20	18.96	184.67	0.42	33.32
General office building	0.34	0.27	2.73	0.01	0.51
Goverment office building	5.75	5.83	57.61	0.13	10.09
General light industry	3.50	3.56	35.64	0.08	6.63
TOTAL EMISSIONS (tons/yr)	58.57	58.11	580.63	1.33	104.57

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,199.10	51,489.27
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	969.20	6,755.32
		Sum of Total Trips		135,499.34
		Total Vehicle Miles Traveled		762,492.88

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0
General light industry				50.0	25.0	25.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	20.85	21.38	217.98	0.50	39.26
Apartments low rise	2.16	2.08	21.18	0.05	3.82
Retirement community	1.60	1.25	12.70	0.03	2.29
Elementary school	3.35	1.49	14.75	0.03	2.64
City park	0.17	0.09	0.88	0.00	0.17
Regnl shop. center	16.51	17.13	166.82	0.38	30.10
General office building	0.31	0.25	2.46	0.01	0.46
Goverment office building	5.21	5.26	52.04	0.12	9.12
General light industry	3.22	3.22	32.19	0.08	5.99
TOTAL EMISSIONS (tons/yr)	53.38	52.15	521.00	1.19	93.83
PERCENTAGE REDUCTION %	9	10	10	10	10

Includes correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2025 Season: Annual

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreage	Trip Rate	No. Units	Total Trips
Single family housing	1,659.33	9.57 trips/dwelling unit	4,978.00	47,639.46
Apartments low rise	43.75	6.90 trips/dwelling unit	700.00	4,830.00
Retirement community	180.00	3.71 trips/dwelling unit	900.00	3,339.00
Elementary school		1.29 trips/students	3,200.00	4,128.00
City park		1.59 trips/acres	148.00	235.32
Regnl shop. center		42.94 trips/1000 sq. ft.	1,199.10	51,489.27
General office building		3.32 trips/1000 sq. ft.	171.30	568.72
Goverment office building		68.93 trips/1000 sq. ft.	239.58	16,514.25
General light industry		6.97 trips/1000 sq. ft.	969.20	6,755.32
		Sum of Total Trips		135,499.34
		Total Vehicle Miles Traveled		762,492.88

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.50	0.00	100.00	0.00
Light Truck < 3,750 lbs	15.70	0.00	99.40	0.60
Light Truck 3,751- 5,750	16.50	0.00	100.00	0.00
Med Truck 5,751- 8,500	7.50	0.00	98.70	1.30
Lite-Heavy 8,501-10,000	1.00	0.00	80.00	20.00
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.90	0.00	22.20	77.80
Heavy-Heavy 33,001-60,000	0.80	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.50	40.00	60.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	2.00	0.00	90.00	10.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	2.0	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Elementary school				20.0	10.0	70.0
City park				5.0	2.5	92.5
Regnl shop. center				2.0	1.0	97.0
General office building				35.0	17.5	47.5
Goverment office building				10.0	5.0	85.0

General light industry	50.0	25.0	25.0

MITIGATION OPTIONS SELECTED

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2% (calculated as a % of 9.57 trips/day)
Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Non-Residential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.67%
Inputs Selected:
The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 6578.
The employment for the study area (within a 1/2 mile radius of the project) is 7894.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 2%
Inputs Selected:
The Presence of Local-Serving Retail checkbox was selected.

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The area souce mitigation measure option switch changed from off to on.
The natural gas single family usage rate changed from 6665.0 to 4094.1.
The natural gas multi-family usage rate changed from 4011.5 to 2288.9.
The wood stove percentage changed from 67 to 0.
The natural gas fireplace percentage changed from 33 to 100.
The landscape year changed from 2006 to 2020.
The consumer product ROG pounds per person changed from 0.0171 to 0.0151.

Changes made to the default values for Operations

The mitigation option switch changed from off to on.
The operational emission year changed from 2006 to 2025.
The home based work selection item changed from 8 to 7.
The home based shopping selection item changed from 8 to 7.
The home based shopping urban trip length changed from 7.3 to 2.0.
The home based other selection item changed from 8 to 7.
The commercial based commute selection item changed from 8 to 7.
The commercial based non-work selection item changed from 8 to 7.
The commercial based customer selection item changed from 8 to 7.
The Res and Non-Res Mix of Uses Mitigation changed from off to on.
The Res and Non-Res Local-Serving Retail Mitigation changed from off to on.

ATTACHMENT 2

2004 Vehicle Emission Estimates

Vehicle Type	Quantity	Horsepower (hp)	Load Factor	Operating Schedule (hrs/day)	Operating Schedule (days/yr)
Tractor Trailer1	1	400	0.9	0.083	365
Tractor Trailer2	1	400	0.9	0.083	365
Tractor Trailer3	1	400	0.9	0.083	365
Tractor Trailer4	1	400	0.9	0.083	365
Tractor Trailer5	1	400	0.9	0.083	365
TRU1	1	50	0.9	0.5	52
TRU2	1	50	0.9	0.5	52
TRU3	1	50	0.9	0.5	52

Truck Traffic	Distance (mile)	Speed (mph)	Travel Time Roundtrip (hr)	Horsepower (hp)
TT1	0.178	15	0.0237	400
TT2	0.416	15	0.0555	400
TT3	0.06	15	0.0080	400
TT4	0.104	15	0.0139	400
TT5	0.04	15	0.0053	400
TT6	0.178	15	0.0237	400

Diesel Engine Emission Toxics

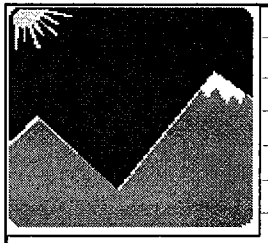
Pollutant	Internal Combustion Emission Factor (lb/1000 gal)	Internal Combustion Emission Factor* (lb/hp-hr)	Tractor Trailer Emissions (lb/hr)	Tractor Trailer Emissions (lbs/yr)	TRU Emissions (lbs/hr)	TRU Emissions (lbs/yr)	Truck Traffic1 Emissions (lbs/hr)	Truck Traffic1 Emissions (lbs/yr)	Truck Traffic2 Emissions (lbs/hr)	Truck Traffic2 Emissions (lbs/yr)	Truck Traffic3 Emissions (lbs/hr)	Truck Traffic3 Emissions (lbs/yr)	Truck Traffic4 Emissions (lbs/hr)	Truck Traffic4 Emissions (lbs/yr)	Truck Traffic5 Emissions (lbs/hr)	Truck Traffic5 Emissions (lbs/yr)	Truck Traffic6 Emissions (lbs/hr)	Truck Traffic6 Emissions (lbs/yr)
PAHs (Including Naphthalene)	0.0559	2.86E-06	8.58E-05	3.13E-02	6.43E-05	3.35E-03	2.71E-05	9.91E-03	6.34E-05	2.32E-02	9.15E-06	3.34E-03	1.59E-05	5.79E-03	6.10E-06	2.23E-03	2.71E-05	9.91E-03
xylenes	0.0424	2.17E-06	6.51E-05	2.38E-02	4.88E-05	2.54E-03	2.06E-05	7.52E-03	4.81E-05	1.76E-02	6.94E-06	2.53E-03	1.20E-05	4.39E-03	4.63E-06	1.69E-03	2.06E-05	7.52E-03
Formaldehyde	1.7261	8.83E-05	2.65E-03	9.67E-01	1.99E-03	1.03E-01	8.38E-04	3.06E-01	1.96E-03	7.15E-01	2.83E-04	1.03E-01	4.90E-04	1.79E-01	1.88E-04	6.88E-02	8.38E-04	3.06E-01
Benzene	0.1863	9.53E-06	2.86E-04	1.04E-01	2.14E-04	1.12E-02	9.05E-05	3.30E-02	2.11E-04	7.72E-02	3.05E-05	1.11E-02	5.29E-05	1.93E-02	2.03E-05	7.42E-03	9.05E-05	3.30E-02
Acetaldehyde	0.7833	4.01E-05	1.20E-03	4.39E-01	9.02E-04	4.69E-02	3.80E-04	1.39E-01	8.89E-04	3.24E-01	1.28E-04	4.68E-02	2.22E-04	8.11E-02	8.55E-05	3.12E-02	3.80E-04	1.39E-01
Naphthalene	0.0197	1.01E-06	3.02E-05	1.10E-02	2.27E-05	1.18E-03	9.57E-06	3.49E-03	2.24E-05	8.16E-03	3.22E-06	1.18E-03	5.59E-06	2.04E-03	2.15E-06	7.85E-04	9.57E-06	3.49E-03
ethyl benzene	0.0109	5.58E-07	1.67E-05	6.11E-03	1.25E-05	6.52E-04	5.29E-06	1.93E-03	1.24E-05	4.52E-03	1.78E-06	6.51E-04	3.09E-06	1.13E-03	1.19E-06	4.34E-04	5.29E-06	1.93E-03
1,3-butadiene	0.2174	1.11E-05	3.34E-04	1.22E-01	2.50E-04	1.30E-02	1.06E-04	3.85E-02	2.47E-04	9.01E-02	3.56E-05	1.30E-02	6.17E-05	2.25E-02	2.37E-05	8.66E-03	1.06E-04	3.85E-02
Acrolein	0.0339	1.73E-06	5.20E-05	1.90E-02	3.90E-05	2.03E-03	1.65E-05	6.01E-03	3.85E-05	1.40E-02	5.55E-06	2.03E-03	9.62E-06	3.51E-03	3.70E-06	1.35E-03	1.65E-05	6.01E-03
toluene	0.1054	5.39E-06	1.62E-04	5.90E-02	1.21E-04	6.31E-03	5.12E-05	1.87E-02	1.20E-04	4.37E-02	1.73E-05	6.30E-03	2.99E-05	1.09E-02	1.15E-05	4.20E-03	5.12E-05	1.87E-02
chlorobenzene	0.0002	1.02E-08	3.07E-07	1.12E-04	2.30E-07	1.20E-05	9.71E-08	3.55E-05	2.27E-07	8.29E-05	3.27E-08	1.19E-05	5.67E-08	2.07E-05	2.18E-08	7.97E-06	9.71E-08	3.55E-05
hexane	0.0269	1.38E-06	4.13E-05	1.51E-02	3.10E-05	1.61E-03	1.31E-05	4.77E-03	3.05E-05	1.11E-02	4.40E-06	1.61E-03	7.63E-06	2.79E-03	2.94E-06	1.07E-03	1.31E-05	4.77E-03
propylene	0.467	2.39E-05	7.17E-04	2.62E-01	5.38E-04	2.80E-02	2.27E-04	8.28E-02	5.30E-04	1.93E-01	7.64E-05	2.79E-02	1.33E-04	4.84E-02	5.10E-05	1.86E-02	2.27E-04	8.28E-02
lead	0.0083	4.25E-07	1.27E-05	4.65E-03	9.55E-06	4.97E-04	4.03E-06	1.47E-03	9.42E-06	3.44E-03	1.36E-06	4.96E-04	2.36E-06	8.60E-04	9.06E-07	3.31E-04	4.03E-06	1.47E-03
manganese	0.0031	1.59E-07	4.76E-06	1.74E-03	3.57E-06	1.86E-04	1.51E-06	5.49E-04	3.52E-06	1.28E-03	5.07E-07	1.85E-04	8.80E-07	3.21E-04	3.38E-07	1.23E-04	1.51E-06	5.49E-04
mercury	0.002	1.02E-07	3.07E-06	1.12E-03	2.30E-06	1.20E-04	9.71E-07	3.55E-04	2.27E-06	8.29E-04	3.27E-07	1.19E-04	5.67E-07	2.07E-04	2.18E-07	7.97E-05	9.71E-07	3.55E-04
nickel	0.0039	2.00E-07	5.99E-06	2.18E-03	4.49E-06	2.33E-04	1.89E-06	6.91E-04	4.43E-06	1.62E-03	6.38E-07	2.33E-04	1.11E-06	4.04E-04	4.26E-07	1.55E-04	1.89E-06	6.91E-04
arsenic	0.0016	8.18E-08	2.46E-06	8.96E-04	1.84E-06	9.58E-05	7.77E-07	2.84E-04	1.82E-06	6.63E-04	2.62E-07	9.56E-05	4.54E-07	1.66E-04	1.75E-07	6.37E-05	7.77E-07	2.84E-04
total chromium	0.0006	3.07E-08	9.21E-07	3.36E-04	6.91E-07	3.59E-05	2.91E-07	1.06E-04	6.81E-07	2.49E-04	9.82E-08	3.58E-05	1.70E-07	6.21E-05	6.55E-08	2.39E-05	2.91E-07	1.06E-04
copper	0.0041	2.10E-07	6.29E-06	2.30E-03	4.72E-06	2.45E-04	1.99E-06	7.27E-04	4.65E-06	1.70E-03	6.71E-07	2.45E-04	1.16E-06	4.25E-04	4.47E-07	1.63E-04	1.99E-06	7.27E-04
zinc	0.0224	1.15E-06	3.44E-05	1.25E-02	2.58E-05	1.34E-03	1.09E-05	3.97E-03	2.54E-05	9.28E-03	3.67E-06	1.34E-03	6.36E-06	2.32E-03	2.44E-06	8.92E-04	1.09E-05	3.97E-03
hydrogen chloride	0.1863	9.53E-06	2.86E-04	1.04E-01	2.14E-04	1.12E-02	9.05E-05	3.30E-02	2.11E-04	7.72E-02	3.05E-05	1.11E-02	5.29E-05	1.93E-02	2.03E-05	7.42E-03	9.05E-05	3.30E-02
selenium	0.0022	1.13E-07	3.38E-06	1.23E-03	2.53E-06	1.32E-04	1.07E-06	3.90E-04	2.50E-06	9.11E-04	3.60E-07	1.31E-04	6.24E-07	2.28E-04	2.40E-07	8.76E-05	1.07E-06	3.90E-04
hexavalent chromium	0.0001	5.12E-09	1.53E-07	5.60E-05	1.15E-07	5.99E-06	4.86E-08	1.77E-05	1.13E-07	4.14E-05	1.64E-08	5.97E-06	2.84E-08	1.04E-05	1.09E-08	3.98E-06	4.86E-08	1.77E-05

* Based on an average brake-specific fuel consumption of 7,000 Btu/hp-hr, a diesel heating value of 19,300 Btu/lb, and a diesel density of 7.09 lb/gal.
**Ventura County APCD/ CARB factors

Idling Sources	Horsepower (hp)	Time of Operation (hrs)	Days of Opearation (days/yr)	TRU Diesel Particulate Emission Rate (g/Bhp-hr)*	Diesel Truck Idleing Emission Factor (g/hr)*	PM Emission Rate (lbs/hr)	PM Emission Rate (lbs/yr)
Tractor Trailor1		0.083	365		2.57	0.00047088	0.1718723
Tractor Trailor2		0.083	365		2.57	0.00047088	0.1718723
Tractor Trailor3		0.083	365		2.57	0.00047088	0.1718723
Tractor Trailor4		0.083	365		2.57	0.00047088	0.1718723
Tractor Trailor5		0.083	365		2.57	0.00047088	0.1718723
TRU1	50	0.5	52	0.76		0.0419426	2.18101545
TRU2	50	0.5	52	0.76		0.0419426	2.18101545
TRU3	50	0.5	52	0.76		0.0419426	2.18101545

Line Source	Miles Traveled	Emission Factor (g/mile)*	Truck Trips per Hour	PM Emission Rate (lbs/hr)	PM Emission Rate (lbs/yr)
Truck Traffic 1	0.178	0.67	1	0.000263267	0.096092494
Truck Traffic 2	0.416	0.67	1	0.000615276	0.224575717
Truck Traffic 3	0.06	0.67	1	8.87417E-05	0.032390728
Truck Traffic 4	0.104	0.67	1	0.000153819	0.056143929
Truck Traffic 5	0.04	0.67	1	5.91611E-05	0.021593819
Truck Traffic 6	0.178	0.67	10	0.002632671	0.960924945

* Emission Factors taken from SJVAPCD "Guidance for Air Dispersion Modeling"



San Joaquin Valley Unified Air Pollution Control District

updated january 2006

	GMBM	MMBM
Facility Score	3.201576	0.9883808

Facility Name:	
Hour of Operation:	8760
Influent (MGD)=	5

	Y/N
Primary Treatment	Y
Secondary Treatment	Y
Sludge Drying Beds	N
Chlorine Contact Tank	N

Digester Gas

External/Internal	Rate in MMCFH
External	0.00
Hours of Operation	0

LPG

External

MMBTUH	Gal/hr	FLARE (Y/N)
Hours of Operation:		0

LPG

Internal

HP	Gal/hr	Turbine (Y/N)
0	0	
Hours of Operation:		0

Receptor Information

Receptor Distance	
Receptor Description	

POTW EMISSION ESTIMATION

Substance Name:	CAS	ug/l	GMBM lbs/yr	GMBM lbs/hr	MMBM lbs/yr	MMBM lbs/hr
Chloroform	67663	8.1	123.12	0.0140548	3.49E+01	3.99E-03
!,4,Dichlorobenzene	106467	4.65	70.68	0.0080685	1.98E+01	2.26E-03
Ethyl Benzene	100414	2.25	34.2	0.0039041	9.58E+00	1.09E-03
Methylene Chloride	75092	7.8	118.56	0.0135342	3.32E+01	3.79E-03
Trichloroethylene	79016	2.6	39.52	0.0045114	1.11E+01	1.26E-03
1,1,1,Trichoroethane	71556	2.65	40.28	0.0045982	1.13E+01	1.29E-03
Phenol	108952	9.8	148.96	0.0170046	1.04E+01	1.19E-03
Benzene	71432	0.58	8.816	0.0010064	2.47E+00	2.82E-04
Styrene	100425	5	76	0.0086758	2.13E+01	2.43E-03
Toluene	108883	4.9	74.48	0.0085023	2.09E+01	2.38E-03
Xylene	1210	5.86	89.072	0.010168	2.49E+01	2.85E-03
Ammonia	7664417	299.5	4552.4	0.5196804	6.60E+02	7.54E-02
Hydrogen Sulfide	7783064	19.5	296.4	0.0338356	2.17E+02	2.48E-02

DIGESTER GAS CALCULATIONS

Substance Name:	CAS	External	Internal	Digester lbs/hr	Digester lbs/yr
Ammonia	7664417	3.72E-03	2.48E-02	0.00E+00	0.00E+00
Benzene	71432	1.33E-03	8.85E-03	0.00E+00	0.00E+00
Chlorobenzene	108907	3.08E-04	2.05E-03	0.00E+00	0.00E+00
Ethyl Benzene	100414	2.61E-02	2.61E-02	0.00E+00	0.00E+00
Formaldehyde	50000	1.46	5.10E-01	0.00E+00	0.00E+00
Hydrogen Choloride	7647010		2.89E+00	0.00E+00	0.00E+00
Hydrogen Sulfide	7783064	1.17	5.84E-01	0.00E+00	0.00E+00
Methyl Chloroform	71556	4.19E-03	4.19E-03	0.00E+00	0.00E+00
Methylene Chloride	75092	8.67E-02	8.67E-02	0.00E+00	0.00E+00
Perchloroethylene	127184	2.43E-03	1.62E-04	0.00E+00	0.00E+00
Toluene	108883	9.59E-03	9.59E-03	0.00E+00	0.00E+00
Trichloroethylene	79061	7.31E-04	4.87E-05	0.00E+00	0.00E+00
Vinyl Chloride	75014	1.32E-03	6.87E-03	0.00E+00	0.00E+00
Vinylidene Chloride	75354	3.08E-04	5.13E-04	0.00E+00	0.00E+00
Xylene	1210	5.57E-02	1.15E-01	0.00E+00	0.00E+00

Facility Prioritization

Substance Name:	CAS	GMBM TOTAL

		lbs/yr	lbs/hr		Cancer	Chronic	Acute	
1,4,Dichlorobenzene	106467	70.68	0.008068		1.321716	0.0015	0	0.00151284
1,1,1,Trichoroethane	71556	40.28	0.004598		0	0.0007	0.000101	0.00068973
Acetaldehyde	75070	0	0		0	0	0	0
Acrolein	107028	0.00E+00	0.00E+00		0	0	0	0
Ammonia	7664417	4.55E+03	5.20E-01		0	0.3898	0.2436	0.38976027
Benzene	71432	8.82E+00	1.01E-03		0.4346288	0.0025	0.001161	0.00251598
Chlorobenzene	108907	0.00E+00	0.00E+00		0	0	0	0
Chloroform	67663	123.12	0.014055		1.1093112	0.007	0.140548	0.14054795
Ethyl Benzene	100414	3.42E+01	3.90E-03		0	0.0003	0	0.00029281
Formaldehyde	50000	0.00E+00	0.00E+00		0	0	0	0
Hydrogen Choloride	7647010	0.00E+00	0.00E+00		0	0	0	0
Hydrogen Sulfide	7783064	2.96E+02	3.38E-02		0	0.5075	1.208415	1.20841487
Napthalene	91203	0.00E+00	0.00E+00		0	0	0	0
Methyl Chloroform	71556	0.00E+00	0.00E+00		0	0	0	0
Methylene Chloride	75092	1.19E+02	1.35E-02		0.201552	0.0051	0.00145	0.00507534
PAH's	1150	0.00E+00	0.00E+00		0	0	0	0
Perchloroethylene	127184	0.00E+00	0.00E+00		0	0	0	0
Phenol	108952	148.96	0.017005		0	0.0128	0.004398	0.01275342
Propylene	115071	0	0		0	0	0	0
Styrene	100425	76	0.008676		0	0.0014	0.00062	0.00144597
Toluene	108883	7.45E+01	8.50E-03		0	0.0043	0.000345	0.00425114
Trichloroethylene	79016	3.95E+01	4.51E-03		0.134368	0.0011	0	0.00112785
Vinyl Chloride	75014	0.00E+00	0.00E+00		0	0	0	0
Vinylidene Chloride	75354	0.00E+00	0.00E+00		0	0	0	0
Xylene	1210	8.91E+01	1.02E-02		0	0.0022	0.000693	0.00217886
				TOTALS	**3.201576**			
						3.2016	1.770567	

Group A

	Ethyl Benzene	Benzene	Styrene	Toluene	Xylene				
Primary Treatment	3.42	0.8816	7.6	7.448	8.9072		Input	Removed	Removal
Secondary Treatment	6.156	1.58688	13.68	13.4064	16.03296		1	0.4	0.1
Sludge Drying Beds	0	0	0	0	0		0.6	0.564	0.18
Chlorine Contact Tank	0	0	0	0	0		0	0	0
Total Lbs/Yr	9.576	2.46848	21.28	20.8544	24.94016		0.036	0.036	0
								1	0.28

Group B

	Dichloro-benzene	Methylene-chloride	Trichloro-ethylene	Trichloro-ethane				
Primary Treatment	7.068	11.856	3.952	4.028		Input	Removed	Removal
Secondary Treatment	12.7224	21.3408	7.1136	7.2504		1	0.4	0.1
Sludge Drying Beds	0	0	0	0		0.6	0.42	0.18
Chlorine Contact Tank	0	0	0	0		0	0	0
Total Lbs/Yr	19.7904	33.1968	11.0656	11.2784		0.18	0.162	0
							0.982	0.28

Group C

	Phenol				
			Input	Removed	Removal
Primary Treatment	1.4896		1	0.4	0.01
Secondary Treatment	8.9376		0.6	0.444	0.06
Sludge Drying Beds	0		0	0	0
Chlorine Contact Tank	0		0.156	0.15288	0
Total Lbs/Yr	10.4272			0.99688	0.07

Group D

	Chloroform		Input	Removed	Removal
Primary Treatment	12.312		1	0.4	0.1
Secondary Treatment	22.1616		0.6	0.42	0.18
Sludge Drying Beds	0		0	0	0
Chlorine Contact Tank	0.443232		0.18	0.1656	0.0036
Total Lbs/Yr	34.916832			0.9856	0.2836

Group E

	Ammonia		Input	Removed	Removal
Primary Treatment	0		1	0	0
Secondary Treatment	455.24		1	0.1	0.1
Sludge Drying Beds	0		0	0	0
Chlorine Contact Tank	204.858		0.9	0.225	0.045
Total Lbs/Yr	660.098			0.325	0.145

Group F

	Hydrogen sulfide		Input	Removed	Removal
Primary Treatment	207.48		1	0.7	0.7
Secondary Treatment	8.892		0.3	0.24	0.03
Sludge Drying Beds	0		0	0	0
Chlorine Contact Tank	0.8892		0.06	0.06	0.003
Total Lbs/Yr	217.2612			1	0.733

LPG EMISSION CALCULATIONS

EXTERNAL

		MMBTUH						
Substance Name:		<10	10-100	>100	Flare		lbs/hr	lbs/yr
Benzene	71432	1.66E-06	1.19E-05	3.58E-07	1.03E-05		0	0
Formaldehyde	50000	3.66E-06	2.65E-06	7.79E-07	1.02E-04		0	0
PAH's	1150	1.76E-05	1.76E-05	1.76E-05	2.44E-06		0	0
Naphthalene	91203	1.60E-06	1.60E-05	1.60E-05			0	0
Acetaldehyde	75070	3.16E-06	2.31E-06	6.54E-07	1.02E-05		0	0
Acrolein	107028	1.17E-06	9.85E-07	1.96E-07	1.02E-06		0	0
Propylene	115071	2.45E-05	1.78E-05	5.21E-06	1.43E-06		0	0
Toluene	108883	5.28E-07	3.85E-07	1.16E-07	5.16E-06		0	0
Xylene	1210	1.97E-07	1.43E-07	4.48E-08	5.16E-06		0	0

INTERNAL							
		Hp					
Substance Name:		<1000	>1000	Turbine		lbs/hr	lbs/yr
Benzene	71432	1.02E-04	1.23E-04	1.65E-06		0	0
Formaldehyde	50000	2.16E-03	2.59E-03	1.63E-05		0	0
PAH's	1150	1.76E-05	1.76E-05	2.44E-06		0	0
Naphthalene	91203	1.60E-05	1.60E-05			0	0
Acetaldehyde	75070	1.69E-04	2.02E-04	1.63E-06		0	0
Acrolein	107028	6.74E-05	8.08E-05	1.61E-07		0	0
Propylene	115071	1.53E-03	1.84E-03	2.88E-05		0	0
Toluene	108883	3.30E-05	3.97E-05	8.24E-07		0	0
Xylene	1210	1.20E-05	1.44E-05	8.24E-07		0	0

Facility Prioritization

		MMBM
Substance Name:	CAS	TOTAL

		lbs/yr	lbs/hr		Cancer	Chronic	Acute	
1,4,Dichlorobenzene	106467	19.7904	0.002259		0.37008	0.000424	0	0.000424
1,1,1,Trichoroethane	71556	11.2784	0.001287		0	0.000193	2.84E-05	0.000193
Acetaldehyde	75070	0	0		0	0	0	0
Acrolein	107028	0.00E+00	0.00E+00		0	0	0	0
Ammonia	7664417	6.60E+02	7.54E-02		0	0.056515	0.035322	0.056515
Benzene	71432	2.47E+00	2.82E-04		0.121696	0.000704	0.000325	0.000704
Chlorobenzene	108907	0.00E+00	0.00E+00		0	0	0	0
Chloroform	67663	34.916832	0.003986		0.314601	0.001993	0.039859	0.039859
Ethyl Benzene	100414	9.58E+00	1.09E-03		0	8.2E-05	0	8.2E-05
Formaldehyde	50000	0.00E+00	0.00E+00		0	0	0	0
Hydrogen Choloride	7647010	0.00E+00	0.00E+00		0	0	0	0
Hydrogen Sulfide	7783064	2.17E+02	2.48E-02		0	0.372023	0.885768	0.885768
Napthalene	91203	0.00E+00	0.00E+00		0	0	0	0
Methyl Chloroform	71556	0.00E+00	0.00E+00		0	0	0	0
Methylene Chloride	75092	3.32E+01	3.79E-03		0.056435	0.001421	0.000406	0.001421
PAH's	1150	0.00E+00	0.00E+00		0	0	0	0
Perchloroethylene	127184	0.00E+00	0.00E+00		0	0	0	0
Phenol	108952	10.4272	0.00119		0	0.000893	0.000308	0.000893
Propylene	115071	0	0		0	0	0	0
Styrene	100425	21.28	0.002429		0	0.000405	0.000174	0.000405
Toluene	108883	2.09E+01	2.38E-03		0	0.00119	9.65E-05	0.00119
Trichloroethylene	79016	1.11E+01	1.26E-03		0.037623	0.000316	0	0.000316
Vinyl Chloride	75014	0.00E+00	0.00E+00		0	0	0	0
Vinylidene Chloride	75354	0.00E+00	0.00E+00		0	0	0	0
Xylene	1210	2.49E+01	2.85E-03		0	0.00061	0.000194	0.00061
				TOTALS	**0.900435**			0.988381
						0.988381		

Commercial Dry Cleaners Facility Emissions

Operating Days:	313	days/yr	
Hours per day:	12	hrs/day	
Total VOC Emissions:*	2207	lb/yr	0.59 lb/hr

Toxic Emissions **

CAS	Name	% VOC	lbs/hr	lbs/yr
127184	perchloroethylene	60	0.352556	1324.2
71556	1,1,1-trichloroethan	40	0.235037	882.8

* EPA AP-42
** CARB Speciate

Gasoline Dispensing Facility Emissions

Average Gallons per trip	10	gal/trip
Daily trips in	1183	
Daily Trips out	1183	
Daily Operating Hours	24	hrs/day

Total Hourly Throughput	492.92	gal
Total Daily Throughput	11,830	gal
Total Annual Throughput	4,317,950	gal

Emissions

Description	TOG - With Control (lb/1000 gal)	Emissions With Control (lb/hr)	Emissions With Control (lb/yr)	Emissions With Control (tons/yr)
Underground Tanks - Working Loss	0.42	0.21	1813.54	0.91
Vehicle Refueling - Vapor Displacement	0.74	0.36	3195.28	1.60
Underground Tanks - Breathing Loss	0.1	0.05	431.80	0.22
Vehicle Refueling - Spillage	0.42	0.21	1813.54	0.91
TOTAL TOG EMISSIONS		0.83	7254.16	3.63

TOXIC EMISSIONS

CHEMICAL NAME	WEIGHT % of TOG	Emission Rate (lb/hr)	Emission Rate (lb/yr)	Emission Rate (tons/yr)	SAROAD	CAS
ISOPENTANE	34.879988	2.89E-01	2.53E+03	1.27E+00	98132	78784
METHYL T-BUTYL ETHER (MTBE)	16.829987	1.39E-01	1.22E+03	6.10E-01	43378	1634044
N-PENTANE	7.28	6.03E-02	5.28E+02	2.64E-01	43220	109660
N-BUTANE	6.29	5.21E-02	4.56E+02	2.28E-01	43212	106978
2-METHYLPENTANE	5.57	4.61E-02	4.04E+02	2.02E-01	43229	107835
3-METHYLPENTANE	3.059999	2.53E-02	2.22E+02	1.11E-01	43230	96140
METHYLCYCLOPENTANE	2.639998	2.19E-02	1.92E+02	9.58E-02	43262	96377
2,3-DIMETHYLBUTANE	1.95	1.61E-02	1.41E+02	7.07E-02	98001	79298
TOLUENE	1.589998	1.32E-02	1.15E+02	5.77E-02	45202	108883
2,2-DIMETHYLBUTANE	1.549998	1.28E-02	1.12E+02	5.62E-02	43291	75832
N-HEXANE	1.44	1.19E-02	1.04E+02	5.22E-02	43231	110543
ISOBUTANE	1.299998	1.08E-02	9.43E+01	4.72E-02	43214	75285

2,2,4-TRIMETHYLPENTANE	1.209998	1.00E-02	8.78E+01	4.39E-02	43276	540841
UNIDENTIFIED	1.16	9.61E-03	8.41E+01	4.21E-02	99999	99999
2-METHYL-2-BUTENE	1.02	8.45E-03	7.40E+01	3.70E-02	43228	513359
CYCLOPENTANE	0.98	8.12E-03	7.11E+01	3.55E-02	43242	287923
CYCLOHEXANE	0.96	7.95E-03	6.96E+01	3.48E-02	43248	110827
3-METHYLHEXANE	0.74	6.13E-03	5.37E+01	2.68E-02	43295	589344
TRANS-2-PENTENE	0.73	6.05E-03	5.30E+01	2.65E-02	43226	646048
2-METHYLHEXANE	0.67	5.55E-03	4.86E+01	2.43E-02	43275	591764
2,3-DIMETHYLPENTANE	0.65	5.38E-03	4.72E+01	2.36E-02	43274	565593
TRANS-2-BUTENE	0.59	4.89E-03	4.28E+01	2.14E-02	43216	624646
2,4-DIMETHYLPENTANE	0.51	4.22E-03	3.70E+01	1.85E-02	43271	108087
2-METHYL-1-BUTENE	0.41	3.40E-03	2.97E+01	1.49E-02	43225	563462
N-HEPTANE	0.39	3.23E-03	2.83E+01	1.41E-02	43232	142825
METHYLCYCLOHEXANE	0.38	3.15E-03	2.76E+01	1.38E-02	43261	108872
BENZENE	0.36	2.98E-03	2.61E+01	1.31E-02	45201	71432
CIS-2-BUTENE	0.34	2.82E-03	2.47E+01	1.23E-02	43217	590181
M-XYLENE	0.32	2.65E-03	2.32E+01	1.16E-02	45205	108383
2,3,4-TRIMETHYLPENTANE	0.31	2.57E-03	2.25E+01	1.12E-02	43279	565753
2,3,3-TRIMETHYLPENTANE	0.31	2.57E-03	2.25E+01	1.12E-02	43280	560214
CIS-2-PENTENE	0.3	2.48E-03	2.18E+01	1.09E-02	43227	627203
PROPANE	0.28	2.32E-03	2.03E+01	1.02E-02	43204	74986
1-PENTENE	0.22	1.82E-03	1.60E+01	7.98E-03	43224	109671
2-METHYL-2-PENTENE	0.18	1.49E-03	1.31E+01	6.53E-03	98004	625274
ISOBUTYLENE	0.16	1.32E-03	1.16E+01	5.80E-03	43215	115117
2,2,5-TRIMETHYLHEXANE	0.14	1.16E-03	1.02E+01	5.08E-03	98033	3522949
2,4-DIMETHYLHEXANE	0.13	1.08E-03	9.43E+00	4.72E-03	43277	589435
1-BUTENE	0.12	9.94E-04	8.70E+00	4.35E-03	43213	106989
2-METHYLHEPTANE	0.12	9.94E-04	8.70E+00	4.35E-03	98140	592278
O-XYLENE	0.12	9.94E-04	8.70E+00	4.35E-03	45204	95476
3-METHYLHEPTANE	0.12	9.94E-04	8.70E+00	4.35E-03	43298	589811
2,5-DIMETHYLHEXANE	0.12	9.94E-04	8.70E+00	4.35E-03	43278	592132
ETHYLBENZENE	0.11	9.11E-04	7.98E+00	3.99E-03	45203	100414
4-METHYL-TRANS-2-PENTENE	0.1	8.28E-04	7.25E+00	3.63E-03	43293	674760
P-XYLENE	0.1	8.28E-04	7.25E+00	3.63E-03	45206	106423
CYCLOPENTENE	0.09	7.45E-04	6.53E+00	3.26E-03	43292	142290
2-METHYL-3-ETHYLPENTANE	0.09	7.45E-04	6.53E+00	3.26E-03	91034	609267
TRANS-2-HEXENE	0.09	7.45E-04	6.53E+00	3.26E-03	98034	4050457
3-METHYL-1-BUTENE	0.08	6.62E-04	5.80E+00	2.90E-03	43223	563451
ETHYLCYCLOHEXANE	0.07	5.80E-04	5.08E+00	2.54E-03	43288	1678917
3-METHYL-TRANS-2-PENTENE	0.06	4.97E-04	4.35E+00	2.18E-03	43270	616126
2-METHYL-1-PENTENE	0.06	4.97E-04	4.35E+00	2.18E-03	98040	763291
2,2-DIMETHYLPENTANE	0.06	4.97E-04	4.35E+00	2.18E-03	90042	590352
4-METHYLHEPTANE	0.06	4.97E-04	4.35E+00	2.18E-03	43297	589537
N-OCTANE	0.05	4.14E-04	3.63E+00	1.81E-03	43233	111659

CIS-3-HEXENE	0.05	4.14E-04	3.63E+00	1.81E-03	98003	7642093
2,2,3-TRIMETHYLPENTANE	0.04	3.31E-04	2.90E+00	1.45E-03	43296	564023
3-ETHYLPENTANE	0.04	3.31E-04	2.90E+00	1.45E-03	43300	617787
CIS-2-HEXENE	0.04	3.31E-04	2.90E+00	1.45E-03	98035	7688213
1-METHYL-3-ETHYLBENZENE	0.04	3.31E-04	2.90E+00	1.45E-03	99912	620144
3-METHYL-CIS-2-PENTENE	0.04	3.31E-04	2.90E+00	1.45E-03	98163	922623
1,2,4-TRIETHYLBENZENE	0.04	3.31E-04	2.90E+00	1.45E-03	91119	887441
1-HEXENE	0.03	2.48E-04	2.18E+00	1.09E-03	43245	592416
4-METHYL-1-PENTENE	0.03	2.48E-04	2.18E+00	1.09E-03	98135	691372
2-HEXENES	0.03	2.48E-04	2.18E+00	1.09E-03	43246	592438
1,3,5-TRIETHYLBENZENE	0.02	1.66E-04	1.45E+00	7.25E-04	91117	102250
4-METHYL-CIS-2-PENTENE	0.02	1.66E-04	1.45E+00	7.25E-04	98170	691383
2-ETHYL-1-BUTENE	0.02	1.66E-04	1.45E+00	7.25E-04	98002	760214
1-METHYL-4-ETHYLBENZENE	0.02	1.66E-04	1.45E+00	7.25E-04	99914	622968
N-NONANE	0.01	8.28E-05	7.25E-01	3.63E-04	43235	111842
3,3-DIMETHYLHEXANE	0.01	8.28E-05	7.25E-01	3.63E-04	98171	563166
2,3-DIMETHYLHEXANE	0.01	8.28E-05	7.25E-01	3.63E-04	98139	584941
2,2-DIMETHYLHEXANE	0.01	8.28E-05	7.25E-01	3.63E-04	98138	590738
ISOPROPYLBENZENE (CUMENE)	0.01	8.28E-05	7.25E-01	3.63E-04	98043	98828
CIS-1,2-DIMETHYLCYCLOHEXANE	0.01	8.28E-05	7.25E-01	3.63E-04	91055	2207014
T-AMYLMETHYLETHER (TAME)	0.01	8.28E-05	7.25E-01	3.63E-04	91016	994058
1,2,3-TRIMETHYLBENZENE	0.01	8.28E-05	7.25E-01	3.63E-04	45225	526738
1-METHYL-2-ETHYLBENZENE	0.01	8.28E-05	7.25E-01	3.63E-04	99915	611143
TOTAL		8.28E-01	7.25E+03	3.63E+00		

Restaurant Emissions

	lbs of meat per week			
Fast Food Emissions	Hamburger	Poultry w/ skin	Poultry w/o skin	Pork
FOOD 1	800		265	
FOOD 2	360		110	110
SITDOWN	360		110	110

	Hamburger		Poultry w/ skin		Poultry w/o skin		Pork	
Emission Factors	PAH w/o Napthalene	Napthalene	PAH w/o Napthalene	Napthalene	PAH w/o Napthalene	Napthalene	PAH w/o Napthalene	Napthalene
Food1	0.000724	0.046	-	-	0.00046	0.018	-	-
Food2	0.000054	0.012	-	-	0.000044	0.018	0.000044	0.002
SITDOWN	0.000054	0.012	-	-	0.000044	0.018	0.000044	0.002

Toxic Emissions	CAS	FOOD1 (lbs/hr)	FOOD1 (lbs/yr)	FOOD2 (lbs/hr)	FOOD2 (lbs/yr)	SITDOWN (lbs/hr)	SITDOWN (lbs/yr)
Benzo(a)pyrene	50328	2.08661E-06	0.018278679	8.66667E-08	0.0007592	8.66667E-08	0.0007592
Napthalene	91203	0.00012372	1.083789286	1.94048E-05	0.169985714	1.94048E-05	0.169985714

Furniture Manufacturing Emissions

Daily Hours of Operation 12 hrs/day

Total Emission Rates
Hourly 10 lb/hr
Yearly 21.9 tons/yr

CHEMICAL NAME	WEIGHT % of TOG	Emissions (lb/hr)	Emissions (g/s)	Emissions (tons/yr)	SAROAD	CAS	
ACETONE	29.601	2.96E+00	3.73E-01	6.48E+00	43551	67641	1.30E+04
PROPANE	13.806	1.38E+00	1.74E-01	3.02E+00	43204	74986	6.05E+03
ISOMERS OF XYLENE	11.693	1.17E+00	1.47E-01	2.56E+00	45102	1330207	5.12E+03
DISTILLATES/NAPHTHA/MINERAL SPIRITS	10.218	1.02E+00	1.29E-01	2.24E+00	99151	8704	4.48E+03
N-BUTANE	10.185	1.02E+00	1.28E-01	2.23E+00	43212	106978	4.46E+03
TOLUENE	5.420	5.42E-01	6.83E-02	1.19E+00	45202	108883	2.37E+03
METHYL ETHYL KETONE (MEK) (2-BUTANONE)	4.242	4.24E-01	5.34E-02	9.29E-01	43552	78933	1.86E+03
DIMETHYL ETHER	3.110	3.11E-01	3.92E-02	6.81E-01	98018	115106	1.36E+03
HYDROCARBON PROPELLANT {LPG, SWEETENED}	3.032	3.03E-01	3.82E-02	6.64E-01	99266	68476868	1.33E+03
ISOPROPYL ALCOHOL	1.560	1.56E-01	1.97E-02	3.42E-01	43304	67630	6.83E+02
MISC. ESTERS	1.445	1.44E-01	1.82E-02	3.16E-01	99133	4407	6.33E+02
ETHYLBENZENE	1.258	1.26E-01	1.58E-02	2.75E-01	45203	100414	5.51E+02
DICHLOROMETHANE {METHYLENE CHLORIDE}	0.980	9.80E-02	1.24E-02	2.15E-01	43802	75092	4.29E+02
BUTYL CELLOSOLVE {2-BUTOXYETHANOL} {EGBE}	0.964	9.64E-02	1.21E-02	2.11E-01	98074	111762	4.22E+02

METHYL ISOBUTYL KETONE	0.886	8.86E-02	1.12E-02	1.94E-01	43560	108101	3.88E+02
OTHER, MISC. VOC COMPOUNDS							
AGGREGATED IN PROFILE	0.596	5.96E-02	7.51E-03	1.30E-01	99146	8986	2.61E+02
MISC. GLYCOLS, GLYCOL ETHERS, AND ACETATES	0.192	1.92E-02	2.41E-03	4.20E-02	99150	8701	8.39E+01
N-BUTYL ALCOHOL	0.179	1.79E-02	2.26E-03	3.93E-02	43305	71363	7.86E+01
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE {2-(1-METHOXY)PROPYL ACETATE}	0.148	1.48E-02	1.86E-03	3.24E-02	43431	108656	6.48E+01
1,2,4-TRIMETHYLBENZENE {1,3,4-TRIMETHYLBENZENE}	0.137	1.37E-02	1.72E-03	3.00E-02	45208	95636	5.99E+01
MISC. TRIMETHYLBENZENES	0.100	1.00E-02	1.26E-03	2.20E-02	99145	4402	4.40E+01
CYCLOHEXANE	0.100	1.00E-02	1.26E-03	2.19E-02	43248	110827	4.38E+01
N-HEXANE	0.092	9.15E-03	1.15E-03	2.00E-02	43231	110543	4.01E+01
NAPHTHALENE	0.057	5.73E-03	7.22E-04	1.26E-02	98046	91203	2.51E+01

Components of Mineral Spirits	Wt %	Emissions (lb/hr)	Emissions (g/s)	tons/yr	lbs/yr
ISOMERS OF DECANE	12.009998	1.23E-01	1.55E-02	2.69E-01	5.37E+02
ISOMERS OF UNDECANE	7.917	8.09E-02	1.02E-02	1.77E-01	3.54E+02
N-NONANE	6.957	7.11E-02	8.96E-03	1.56E-01	3.11E+02
2,4-DIMETHYLOCTANE	6.487	6.63E-02	8.35E-03	1.45E-01	2.90E+02
METHYL PROPYLCYCLOHEX	5.988	6.12E-02	7.71E-03	1.34E-01	2.68E+02
2,4,5-TRIMETHYLHEPTANE	5.888	6.02E-02	7.58E-03	1.32E-01	2.64E+02
ETHYLMETHYLCYCLOHEXAN	4.268	4.36E-02	5.49E-03	9.55E-02	1.91E+02
2-METHYLDECANE	4.188	4.28E-02	5.39E-03	9.37E-02	1.87E+02
2-METHYLNONANE	4.167998	4.26E-02	5.37E-03	9.33E-02	1.87E+02
ISOMERS OF BUTYLBENZEN	3.738998	3.82E-02	4.81E-03	8.37E-02	1.67E+02
DIMETHYLNONANE	2.478998	2.53E-02	3.19E-03	5.55E-02	1.11E+02
M-XYLENE	2.259	2.31E-02	2.91E-03	5.05E-02	1.01E+02
TRIMETHYLBENZENES (MIXE	2.228998	2.28E-02	2.87E-03	4.99E-02	9.98E+01

C10 INTERNAL ALKENES	2.148998	2.20E-02	2.77E-03	4.81E-02	9.62E+01
ISOPROPYLCYCLOHEXANE	2.108998	2.15E-02	2.72E-03	4.72E-02	9.44E+01
TRIMETHYLCYCLOHEXANE	2.009	2.05E-02	2.59E-03	4.50E-02	8.99E+01
BUTYLCYCLOHEXANE	1.679	1.72E-02	2.16E-03	3.76E-02	7.51E+01
O-XYLENE	1.558998	1.59E-02	2.01E-03	3.49E-02	6.98E+01
2-METHYLOCTANE	1.488998	1.52E-02	1.92E-03	3.33E-02	6.66E+01
ISOMERS OF DODECANE	1.12	1.14E-02	1.44E-03	2.51E-02	5.01E+01
C11 INTERNAL ALKENES	0.98	1.00E-02	1.26E-03	2.19E-02	4.39E+01
N-PROPYLBENZENE	0.98	1.00E-02	1.26E-03	2.19E-02	4.39E+01
DIMETHYLETHYLCYCLOHEX/	0.95	9.71E-03	1.22E-03	2.13E-02	4.25E+01
METHYLUNDECANE	0.91	9.30E-03	1.17E-03	2.04E-02	4.07E+01
PROPENYLCYCLOHEXANE	0.77	7.87E-03	9.91E-04	1.72E-02	3.45E+01
METHYLDECENE	0.67	6.85E-03	8.63E-04	1.50E-02	3.00E+01
TETRAMETHYLPENTANONE	0.64	6.54E-03	8.24E-04	1.43E-02	2.86E+01
T-DECAHYDRONAPHTHALEN	0.6	6.13E-03	7.72E-04	1.34E-02	2.69E+01
ETHYLCYCLOHEXANE	0.59	6.03E-03	7.60E-04	1.32E-02	2.64E+01
METHYLDECALINS	0.55	5.62E-03	7.08E-04	1.23E-02	2.46E+01
TETRAMETHYLCYCLOPENTA	0.55	5.62E-03	7.08E-04	1.23E-02	2.46E+01
DIMETHYLHEPTANES	0.55	5.62E-03	7.08E-04	1.23E-02	2.46E+01
PROPYL HEPTENE	0.55	5.62E-03	7.08E-04	1.23E-02	2.46E+01
DIETHYLMETHYLCYCLOHEX/	0.55	5.62E-03	7.08E-04	1.23E-02	2.46E+01
TOLUENE	0.5	5.11E-03	6.44E-04	1.12E-02	2.24E+01
ETHYL PROPYLCYCLOHEXAI	0.5	5.11E-03	6.44E-04	1.12E-02	2.24E+01
TRANS-1,3-DIMETHYLCYCLO	0.47	4.80E-03	6.05E-04	1.05E-02	2.10E+01
DIETHYLCYCLOHEXANE	0.45	4.60E-03	5.79E-04	1.01E-02	2.01E+01
2,4-DIMETHYL-1-PENTENE	0.43	4.39E-03	5.54E-04	9.62E-03	1.92E+01
ISOPROPYLMETHYLCYCLOH	0.43	4.39E-03	5.54E-04	9.62E-03	1.92E+01
C10 ALKYLPHENOLS	0.38	3.88E-03	4.89E-04	8.50E-03	1.70E+01
1-METHYL-2-ETHYLBENZENE	0.38	3.88E-03	4.89E-04	8.50E-03	1.70E+01
ETHYLBENZENE	0.35	3.58E-03	4.51E-04	7.83E-03	1.57E+01
TRIMETHYLOCTANES	0.35	3.58E-03	4.51E-04	7.83E-03	1.57E+01
NAPHTHALENE	0.35	3.58E-03	4.51E-04	7.83E-03	1.57E+01
TRIMETHYLHEXENE	0.35	3.58E-03	4.51E-04	7.83E-03	1.57E+01
ETHYLHEXANE	0.34	3.47E-03	4.38E-04	7.61E-03	1.52E+01
INDENE	0.34	3.47E-03	4.38E-04	7.61E-03	1.52E+01
ISOMERS OF UNDECYNE	0.32	3.27E-03	4.12E-04	7.16E-03	1.43E+01
T-BUTYLBENZENE	0.31	3.17E-03	3.99E-04	6.94E-03	1.39E+01

DIMETHYLDECANE	0.29	2.96E-03	3.73E-04	6.49E-03	1.30E+01
CHLOROBENZENE	0.26	2.66E-03	3.35E-04	5.82E-03	1.16E+01
DIMETHYLUNDECANE	0.24	2.45E-03	3.09E-04	5.37E-03	1.07E+01
ETHYLOCTANE	0.21	2.15E-03	2.70E-04	4.70E-03	9.40E+00
TRIMETHYLCYCLOHEXANOL	0.17	1.74E-03	2.19E-04	3.80E-03	7.61E+00
PENTYLINDENECYCLOHEXAI	0.17	1.74E-03	2.19E-04	3.80E-03	7.61E+00
C11 ALKYLPHENOLS	0.17	1.74E-03	2.19E-04	3.80E-03	7.61E+00
NONADIENE	0.17	1.74E-03	2.19E-04	3.80E-03	7.61E+00
OCTAHYDROINDENES	0.17	1.74E-03	2.19E-04	3.80E-03	7.61E+00
TRIMETHYLCYCLOPENTANO	0.15	1.53E-03	1.93E-04	3.36E-03	6.71E+00
DIMETHYLBENZYLALCOHOL	0.15	1.53E-03	1.93E-04	3.36E-03	6.71E+00
C12 INTERNAL ALKENES	0.12	1.23E-03	1.54E-04	2.69E-03	5.37E+00
OCTANOL	0.1	1.02E-03	1.29E-04	2.24E-03	4.48E+00
DIMETHYOCTYNE DIOL	0.1	1.02E-03	1.29E-04	2.24E-03	4.48E+00
A-PINENE	0.1	1.02E-03	1.29E-04	2.24E-03	4.48E+00
OCTAHYDROPENTALENE	0.1	1.02E-03	1.29E-04	2.24E-03	4.48E+00
ETHYLMETHYLHEXANE	0.1	1.02E-03	1.29E-04	2.24E-03	4.48E+00
C11 DIALKYL BENZENES	0.1	1.02E-03	1.29E-04	2.24E-03	4.48E+00
ISOMERS OF DECYNE	0.07	7.15E-04	9.01E-05	1.57E-03	3.13E+00
ISOMERS OF TRIDECANE	0.05	5.11E-04	6.44E-05	1.12E-03	2.24E+00
TETRAMETHYLTHIOUREA	0.05	5.11E-04	6.44E-05	1.12E-03	2.24E+00
DIMETHYLBUTYLCYCLOHEX/	0.05	5.11E-04	6.44E-05	1.12E-03	2.24E+00
BENZOTHIAZOLE	0.05	5.11E-04	6.44E-05	1.12E-03	2.24E+00
2-METHYLPENTANE	0.02	2.04E-04	2.57E-05	4.48E-04	8.95E-01
TRIMETHYLDECANE	0.02	2.04E-04	2.57E-05	4.48E-04	8.95E-01
METHYLCYCLOHEXANE	0.02	2.04E-04	2.57E-05	4.48E-04	8.95E-01
1-NONENE	0.02	2.04E-04	2.57E-05	4.48E-04	8.95E-01

ATTACHMENT 3

The following table represents the highest health risk for all five years of met data for the Gateway Madera Project. As can be seen excess cancer, chronic and acute risks are below the thresholds of significance. The PMI/MEI results are attached on the following pages.

	Risk		
Year	Cancer Risk	Chronic Risk	Acute Risk
2000	4.87E-06	1.92E-02	9.38E-02
2001	4.98E-06	2.03E-02	8.88E-02
2002	5.20E-06	1.96E-02	9.13E-02
2003	5.43E-06	1.85E-02	9.26E-02
2004	4.85E-06	1.94E-02	9.40E-02

FILE: C:\Documents and Settings\vleo\Desktop\Vleo\Gateway 00\Rep_PMI.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
592	GRID	4.87E-06	2.55E-03	5.71E-02	249559	4087203	11
688	GRID	3.88E-06	1.32E-02	4.77E-02	249859	4089303	11
550	GRID	2.85E-06	1.58E-03	6.94E-02	249409	4087203	11
607	GRID	2.25E-06	7.21E-03	4.46E-02	249559	4089453	11
648	GRID	2.10E-06	6.89E-03	4.14E-02	249709	4089303	11
728	GRID	1.91E-06	5.97E-03	4.96E-02	250009	4089303	11
486	GRID	1.56E-06	7.59E-04	8.60E-02	249109	4089903	11
768	GRID	1.51E-06	3.25E-03	9.38E-02	250159	4089303	11
525	GRID	1.40E-06	1.25E-03	7.65E-02	249259	4089753	11
608	GRID	1.34E-06	3.60E-03	4.49E-02	249559	4089603	11
727	GRID	1.30E-06	4.13E-03	3.85E-02	250009	4089153	11
687	GRID	1.29E-06	4.15E-03	3.55E-02	249859	4089153	11
565	GRID	1.26E-06	3.66E-03	4.23E-02	249409	4089453	11
567	GRID	1.16E-06	1.60E-03	5.90E-02	249409	4089753	11
566	GRID	1.07E-06	2.43E-03	4.45E-02	249409	4089603	11
767	GRID	1.04E-06	3.05E-03	3.91E-02	250159	4089153	11
591	GRID	1.01E-06	1.15E-03	3.98E-02	249559	4087053	11
606	GRID	9.72E-07	2.89E-03	3.23E-02	249559	4089303	11
808	GRID	9.69E-07	1.87E-03	5.23E-02	250309	4089303	11
549	GRID	9.46E-07	1.51E-03	6.17E-02	249409	4087053	11
609	GRID	9.35E-07	1.92E-03	5.39E-02	249559	4089753	11
647	GRID	9.28E-07	2.88E-03	3.23E-02	249709	4089153	11
485	GRID	9.20E-07	1.03E-03	7.59E-02	249109	4089753	11
548	GRID	9.19E-07	4.19E-03	3.90E-02	249409	4086903	11
407	GRID	9.13E-07	5.64E-04	6.63E-02	248809	4089903	11
524	GRID	8.60E-07	1.77E-03	4.68E-02	249259	4089603	11
807	GRID	8.38E-07	2.22E-03	3.88E-02	250309	4089153	11
633	GRID	8.37E-07	9.78E-04	3.43E-02	249709	4087053	11
1064	GRID	8.15E-07	3.64E-04	2.96E-02	251209	4090053	11
446	GRID	8.05E-07	8.49E-04	6.80E-02	248959	4089753	11
523	GRID	7.65E-07	2.03E-03	3.50E-02	249259	4089453	11
766	GRID	7.56E-07	2.25E-03	3.25E-02	250159	4089003	11
564	GRID	7.46E-07	2.15E-03	2.93E-02	249409	4089303	11
726	GRID	7.08E-07	2.16E-03	2.89E-02	250009	4089003	11
806	GRID	6.91E-07	2.00E-03	3.20E-02	250309	4089003	11
508	GRID	6.90E-07	1.13E-03	5.73E-02	249259	4087203	11
551	GRID	6.79E-07	1.04E-03	3.56E-02	249409	4087353	11
568	GRID	6.76E-07	1.13E-03	5.62E-02	249409	4089903	11
484	GRID	6.73E-07	1.40E-03	4.52E-02	249109	4089603	11
850	GRID	6.67E-07	1.67E-03	4.43E-02	250459	4089153	11
943	GRID	6.34E-07	2.77E-04	2.98E-02	250759	4090203	11
547	GRID	6.27E-07	3.92E-03	2.63E-02	249409	4086753	11
851	GRID	6.25E-07	1.34E-03	4.70E-02	250459	4089303	11
634	GRID	6.24E-07	8.64E-04	3.42E-02	249709	4087203	11
275	GRID	6.22E-07	1.92E-02	2.87E-02	248359	4088253	11
686	GRID	6.16E-07	1.87E-03	2.84E-02	249859	4089003	11
590	GRID	6.08E-07	1.93E-03	3.77E-02	249559	4086903	11
483	GRID	5.84E-07	1.49E-03	3.74E-02	249109	4089453	11
355	GRID	5.71E-07	1.70E-02	2.17E-02	248659	4088103	11
487	GRID	5.70E-07	6.23E-04	6.41E-02	249109	4090053	11
809	GRID	5.66E-07	1.07E-03	5.53E-02	250309	4089453	11
849	GRID	5.61E-07	1.54E-03	3.02E-02	250459	4089003	11
522	GRID	5.42E-07	1.47E-03	2.67E-02	249259	4089303	11
445	GRID	5.21E-07	1.08E-03	4.42E-02	248959	4089603	11
646	GRID	5.17E-07	1.53E-03	2.50E-02	249709	4089003	11

274	GRID	5.10E-07	1.53E-02	2.78E-02	248359	4088103	11
893	GRID	5.00E-07	1.24E-03	3.81E-02	250609	4089153	11
765	GRID	4.94E-07	1.43E-03	2.65E-02	250159	4088853	11
605	GRID	4.93E-07	1.35E-03	2.77E-02	249559	4089153	11
632	GRID	4.89E-07	1.26E-03	3.07E-02	249709	4086903	11
805	GRID	4.84E-07	1.40E-03	2.61E-02	250309	4088853	11
408	GRID	4.81E-07	4.49E-04	5.81E-02	248809	4090053	11
610	GRID	4.75E-07	9.46E-04	4.47E-02	249559	4089903	11
406	GRID	4.73E-07	6.97E-04	5.01E-02	248809	4089753	11
892	GRID	4.66E-07	1.21E-03	3.32E-02	250609	4089003	11
725	GRID	4.56E-07	1.33E-03	2.51E-02	250009	4088853	11
848	GRID	4.50E-07	1.27E-03	2.35E-02	250459	4088853	11
447	GRID	4.49E-07	4.94E-04	5.70E-02	248959	4090053	11
673	GRID	4.48E-07	7.74E-04	2.67E-02	249859	4087053	11
367	GRID	4.45E-07	4.89E-04	4.70E-02	248659	4089903	11
526	GRID	4.41E-07	7.51E-04	5.24E-02	249259	4090053	11
444	GRID	4.39E-07	1.10E-03	3.57E-02	248959	4089453	11
894	GRID	4.39E-07	9.88E-04	4.08E-02	250609	4089303	11
468	GRID	4.31E-07	1.44E-03	3.35E-02	249109	4087203	11
482	GRID	4.24E-07	1.11E-03	2.76E-02	249109	4089303	11
509	GRID	4.11E-07	9.79E-04	3.99E-02	249259	4087353	11
1063	GRID	4.10E-07	1.60E-04	3.33E-02	251209	4089903	11
672	GRID	4.09E-07	9.81E-04	2.71E-02	249859	4086903	11
891	GRID	4.01E-07	1.09E-03	2.40E-02	250609	4088853	11
563	GRID	3.96E-07	1.05E-03	2.45E-02	249409	4089153	11
936	GRID	3.92E-07	9.54E-04	3.33E-02	250759	4089153	11
984	GRID	3.89E-07	1.70E-04	4.11E-02	250909	4090353	11
405	GRID	3.86E-07	8.37E-04	3.96E-02	248809	4089603	11
935	GRID	3.84E-07	9.71E-04	3.08E-02	250759	4089003	11
685	GRID	3.74E-07	1.08E-03	2.27E-02	249859	4088853	11
1107	GRID	3.71E-07	1.60E-04	2.41E-02	251359	4090053	11
546	GRID	3.67E-07	2.29E-03	2.20E-02	249409	4086603	11
569	GRID	3.63E-07	7.44E-04	4.85E-02	249409	4090053	11
852	GRID	3.61E-07	7.41E-04	3.69E-02	250459	4089453	11
366	GRID	3.58E-07	5.99E-04	3.67E-02	248659	4089753	11
507	GRID	3.58E-07	2.37E-03	2.91E-02	249259	4086603	11
521	GRID	3.58E-07	9.27E-04	2.54E-02	249259	4089153	11
1065	GRID	3.52E-07	1.50E-04	2.45E-02	251209	4090203	11
368	GRID	3.46E-07	3.99E-04	4.15E-02	248659	4090053	11
443	GRID	3.45E-07	8.93E-04	2.84E-02	248959	4089303	11
649	GRID	3.45E-07	6.56E-04	4.23E-02	249709	4089903	11
645	GRID	3.44E-07	9.83E-04	2.14E-02	249709	4088853	11
847	GRID	3.44E-07	9.61E-04	2.03E-02	250459	4088703	11
429	GRID	3.42E-07	1.64E-03	3.07E-02	248959	4087203	11
404	GRID	3.41E-07	8.34E-04	3.41E-02	248809	4089453	11

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
275	GRID	6.22E-07	1.92E-02	2.87E-02	248359	4088253	11
355	GRID	5.71E-07	1.70E-02	2.17E-02	248659	4088103	11
274	GRID	5.10E-07	1.53E-02	2.78E-02	248359	4088103	11
688	GRID	3.88E-06	1.32E-02	4.77E-02	249859	4089303	11
607	GRID	2.25E-06	7.21E-03	4.46E-02	249559	4089453	11
354	GRID	2.91E-07	7.21E-03	1.91E-02	248659	4087953	11
648	GRID	2.10E-06	6.89E-03	4.14E-02	249709	4089303	11
728	GRID	1.91E-06	5.97E-03	4.96E-02	250009	4089303	11
316	GRID	2.47E-07	5.76E-03	2.25E-02	248509	4087953	11
356	GRID	2.46E-07	5.58E-03	2.22E-02	248659	4088253	11
394	GRID	2.42E-07	5.27E-03	2.05E-02	248809	4087953	11
395	GRID	2.40E-07	5.26E-03	1.93E-02	248809	4088103	11
232	GRID	2.11E-07	4.93E-03	1.98E-02	248209	4088253	11
548	GRID	9.19E-07	4.19E-03	3.90E-02	249409	4086903	11
687	GRID	1.29E-06	4.15E-03	3.55E-02	249859	4089153	11

727	GRID	1.30E-06	4.13E-03	3.85E-02	250009	4089153	11
231	GRID	1.83E-07	3.95E-03	1.99E-02	248209	4088103	11
547	GRID	6.27E-07	3.92E-03	2.63E-02	249409	4086753	11
565	GRID	1.26E-06	3.66E-03	4.23E-02	249409	4089453	11
276	GRID	1.82E-07	3.64E-03	2.00E-02	248359	4088403	11
608	GRID	1.34E-06	3.60E-03	4.49E-02	249559	4089603	11
768	GRID	1.51E-06	3.25E-03	9.38E-02	250159	4089303	11
434	GRID	1.84E-07	3.10E-03	2.12E-02	248959	4087953	11
767	GRID	1.04E-06	3.05E-03	3.91E-02	250159	4089153	11
393	GRID	1.79E-07	2.93E-03	2.10E-02	248809	4087803	11
606	GRID	9.72E-07	2.89E-03	3.23E-02	249559	4089303	11
647	GRID	9.28E-07	2.88E-03	3.23E-02	249709	4089153	11
273	GRID	1.59E-07	2.84E-03	2.36E-02	248359	4087953	11
189	GRID	1.43E-07	2.65E-03	2.04E-02	248059	4088253	11
353	GRID	1.68E-07	2.64E-03	1.94E-02	248659	4087803	11
433	GRID	1.76E-07	2.58E-03	2.20E-02	248959	4087803	11
592	GRID	4.87E-06	2.55E-03	5.71E-02	249559	4087203	11
233	GRID	1.46E-07	2.53E-03	1.85E-02	248209	4088403	11
435	GRID	1.62E-07	2.44E-03	2.01E-02	248959	4088103	11
566	GRID	1.07E-06	2.43E-03	4.45E-02	249409	4089603	11
507	GRID	3.58E-07	2.37E-03	2.91E-02	249259	4086603	11
546	GRID	3.67E-07	2.29E-03	2.20E-02	249409	4086603	11
766	GRID	7.56E-07	2.25E-03	3.25E-02	250159	4089003	11
807	GRID	8.38E-07	2.22E-03	3.88E-02	250309	4089153	11
188	GRID	1.30E-07	2.20E-03	1.76E-02	248059	4088103	11
726	GRID	7.08E-07	2.16E-03	2.89E-02	250009	4089003	11
564	GRID	7.46E-07	2.15E-03	2.93E-02	249409	4089303	11
467	GRID	3.10E-07	2.11E-03	2.91E-02	249109	4086603	11
315	GRID	1.48E-07	2.10E-03	1.80E-02	248509	4087803	11
523	GRID	7.65E-07	2.03E-03	3.50E-02	249259	4089453	11
806	GRID	6.91E-07	2.00E-03	3.20E-02	250309	4089003	11
589	GRID	3.39E-07	1.95E-03	2.00E-02	249559	4086603	11
590	GRID	6.08E-07	1.93E-03	3.77E-02	249559	4086903	11
609	GRID	9.35E-07	1.92E-03	5.39E-02	249559	4089753	11
310	GRID	2.74E-07	1.91E-03	2.42E-02	248509	4087053	11
473	GRID	1.48E-07	1.89E-03	2.10E-02	249109	4087953	11
808	GRID	9.69E-07	1.87E-03	5.23E-02	250309	4089303	11
686	GRID	6.16E-07	1.87E-03	2.84E-02	249859	4089003	11
309	GRID	2.63E-07	1.87E-03	2.78E-02	248509	4086903	11
472	GRID	1.62E-07	1.84E-03	2.20E-02	249109	4087803	11
317	GRID	1.37E-07	1.81E-03	2.02E-02	248509	4088403	11
524	GRID	8.60E-07	1.77E-03	4.68E-02	249259	4089603	11
396	GRID	1.41E-07	1.75E-03	2.01E-02	248809	4088253	11
392	GRID	1.62E-07	1.74E-03	2.31E-02	248809	4087653	11
432	GRID	1.66E-07	1.70E-03	2.25E-02	248959	4087653	11
146	GRID	1.12E-07	1.70E-03	1.83E-02	247909	4088253	11
190	GRID	1.18E-07	1.68E-03	1.75E-02	248059	4088403	11
850	GRID	6.67E-07	1.67E-03	4.43E-02	250459	4089153	11
389	GRID	3.03E-07	1.67E-03	2.65E-02	248809	4087203	11
429	GRID	3.42E-07	1.64E-03	3.07E-02	248959	4087203	11
428	GRID	2.44E-07	1.64E-03	2.66E-02	248959	4086603	11
567	GRID	1.16E-06	1.60E-03	5.90E-02	249409	4089753	11
349	GRID	2.67E-07	1.60E-03	2.40E-02	248659	4087203	11
471	GRID	1.80E-07	1.60E-03	2.41E-02	249109	4087653	11
550	GRID	2.85E-06	1.58E-03	6.94E-02	249409	4087203	11
230	GRID	1.18E-07	1.57E-03	1.88E-02	248209	4087953	11
849	GRID	5.61E-07	1.54E-03	3.02E-02	250459	4089003	11
646	GRID	5.17E-07	1.53E-03	2.50E-02	249709	4089003	11
631	GRID	2.98E-07	1.52E-03	1.97E-02	249709	4086603	11
549	GRID	9.46E-07	1.51E-03	6.17E-02	249409	4087053	11
483	GRID	5.84E-07	1.49E-03	3.74E-02	249109	4089453	11
272	GRID	1.24E-07	1.49E-03	1.96E-02	248359	4087803	11
234	GRID	1.23E-07	1.49E-03	2.03E-02	248209	4088553	11

522	GRID	5.42E-07	1.47E-03	2.67E-02	249259	4089303	11
352	GRID	1.49E-07	1.46E-03	2.11E-02	248659	4087653	11
468	GRID	4.31E-07	1.44E-03	3.35E-02	249109	4087203	11
765	GRID	4.94E-07	1.43E-03	2.65E-02	250159	4088853	11
545	GRID	2.36E-07	1.42E-03	1.84E-02	249409	4086453	11
145	GRID	1.03E-07	1.41E-03	1.73E-02	247909	4088103	11
484	GRID	6.73E-07	1.40E-03	4.52E-02	249109	4089603	11
805	GRID	4.84E-07	1.40E-03	2.61E-02	250309	4088853	11
474	GRID	1.29E-07	1.39E-03	2.10E-02	249109	4088103	11
588	GRID	2.38E-07	1.38E-03	1.72E-02	249559	4086453	11
311	GRID	2.14E-07	1.37E-03	2.23E-02	248509	4087203	11
314	GRID	1.39E-07	1.36E-03	1.92E-02	248509	4087653	11
605	GRID	4.93E-07	1.35E-03	2.77E-02	249559	4089153	11
851	GRID	6.25E-07	1.34E-03	4.70E-02	250459	4089303	11
506	GRID	2.19E-07	1.34E-03	2.18E-02	249259	4086453	11
725	GRID	4.56E-07	1.33E-03	2.51E-02	250009	4088853	11
512	GRID	1.44E-07	1.31E-03	2.28E-02	249259	4087803	11
267	GRID	1.96E-07	1.30E-03	2.37E-02	248359	4087053	11
431	GRID	1.93E-07	1.29E-03	2.55E-02	248959	4087503	11
391	GRID	1.80E-07	1.29E-03	2.39E-02	248809	4087503	11
511	GRID	1.80E-07	1.29E-03	2.56E-02	249259	4087653	11
277	GRID	1.22E-07	1.29E-03	1.82E-02	248359	4088553	11

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
768	GRID	1.51E-06	3.25E-03	9.38E-02	250159	4089303	11
486	GRID	1.56E-06	7.59E-04	8.60E-02	249109	4089903	11
525	GRID	1.40E-06	1.25E-03	7.65E-02	249259	4089753	11
485	GRID	9.20E-07	1.03E-03	7.59E-02	249109	4089753	11
550	GRID	2.85E-06	1.58E-03	6.94E-02	249409	4087203	11
446	GRID	8.05E-07	8.49E-04	6.80E-02	248959	4089753	11
407	GRID	9.13E-07	5.64E-04	6.63E-02	248809	4089903	11
487	GRID	5.70E-07	6.23E-04	6.41E-02	249109	4090053	11
549	GRID	9.46E-07	1.51E-03	6.17E-02	249409	4087053	11
567	GRID	1.16E-06	1.60E-03	5.90E-02	249409	4089753	11
408	GRID	4.81E-07	4.49E-04	5.81E-02	248809	4090053	11
508	GRID	6.90E-07	1.13E-03	5.73E-02	249259	4087203	11
592	GRID	4.87E-06	2.55E-03	5.71E-02	249559	4087203	11
447	GRID	4.49E-07	4.94E-04	5.70E-02	248959	4090053	11
568	GRID	6.76E-07	1.13E-03	5.62E-02	249409	4089903	11
809	GRID	5.66E-07	1.07E-03	5.53E-02	250309	4089453	11
609	GRID	9.35E-07	1.92E-03	5.39E-02	249559	4089753	11
526	GRID	4.41E-07	7.51E-04	5.24E-02	249259	4090053	11
808	GRID	9.69E-07	1.87E-03	5.23E-02	250309	4089303	11
406	GRID	4.73E-07	6.97E-04	5.01E-02	248809	4089753	11
728	GRID	1.91E-06	5.97E-03	4.96E-02	250009	4089303	11
569	GRID	3.63E-07	7.44E-04	4.85E-02	249409	4090053	11
688	GRID	3.88E-06	1.32E-02	4.77E-02	249859	4089303	11
851	GRID	6.25E-07	1.34E-03	4.70E-02	250459	4089303	11
367	GRID	4.45E-07	4.89E-04	4.70E-02	248659	4089903	11
524	GRID	8.60E-07	1.77E-03	4.68E-02	249259	4089603	11
488	GRID	3.04E-07	5.34E-04	4.65E-02	249109	4090203	11
448	GRID	3.06E-07	4.41E-04	4.63E-02	248959	4090203	11
484	GRID	6.73E-07	1.40E-03	4.52E-02	249109	4089603	11
608	GRID	1.34E-06	3.60E-03	4.49E-02	249559	4089603	11
610	GRID	4.75E-07	9.46E-04	4.47E-02	249559	4089903	11
607	GRID	2.25E-06	7.21E-03	4.46E-02	249559	4089453	11
566	GRID	1.07E-06	2.43E-03	4.45E-02	249409	4089603	11
810	GRID	3.06E-07	5.76E-04	4.44E-02	250309	4089603	11
850	GRID	6.67E-07	1.67E-03	4.43E-02	250459	4089153	11
445	GRID	5.21E-07	1.08E-03	4.42E-02	248959	4089603	11
409	GRID	2.79E-07	3.68E-04	4.38E-02	248809	4090203	11
565	GRID	1.26E-06	3.66E-03	4.23E-02	249409	4089453	11

649	GRID	3.45E-07	6.56E-04	4.23E-02	249709	4089903	11
689	GRID	2.67E-07	4.56E-04	4.20E-02	249859	4089903	11
527	GRID	2.76E-07	5.68E-04	4.17E-02	249259	4090203	11
368	GRID	3.46E-07	3.99E-04	4.15E-02	248659	4090053	11
648	GRID	2.10E-06	6.89E-03	4.14E-02	249709	4089303	11
984	GRID	3.89E-07	1.70E-04	4.11E-02	250909	4090353	11
894	GRID	4.39E-07	9.88E-04	4.08E-02	250609	4089303	11
729	GRID	2.24E-07	3.75E-04	4.08E-02	250009	4089903	11
611	GRID	2.92E-07	5.79E-04	4.02E-02	249559	4090053	11
509	GRID	4.11E-07	9.79E-04	3.99E-02	249259	4087353	11
591	GRID	1.01E-06	1.15E-03	3.98E-02	249559	4087053	11
570	GRID	2.30E-07	4.80E-04	3.97E-02	249409	4090203	11
405	GRID	3.86E-07	8.37E-04	3.96E-02	248809	4089603	11
650	GRID	2.31E-07	4.35E-04	3.94E-02	249709	4090053	11
1023	GRID	2.18E-07	1.80E-04	3.94E-02	251059	4089753	11
767	GRID	1.04E-06	3.05E-03	3.91E-02	250159	4089153	11
548	GRID	9.19E-07	4.19E-03	3.90E-02	249409	4086903	11
807	GRID	8.38E-07	2.22E-03	3.88E-02	250309	4089153	11
853	GRID	2.43E-07	4.44E-04	3.86E-02	250459	4089603	11
727	GRID	1.30E-06	4.13E-03	3.85E-02	250009	4089153	11
895	GRID	2.92E-07	6.21E-04	3.82E-02	250609	4089453	11
811	GRID	2.39E-07	4.87E-04	3.82E-02	250309	4089753	11
893	GRID	5.00E-07	1.24E-03	3.81E-02	250609	4089153	11
983	GRID	2.00E-07	2.04E-04	3.81E-02	250909	4089753	11
612	GRID	2.09E-07	3.94E-04	3.79E-02	249559	4090203	11
590	GRID	6.08E-07	1.93E-03	3.77E-02	249559	4086903	11
483	GRID	5.84E-07	1.49E-03	3.74E-02	249109	4089453	11
369	GRID	2.49E-07	3.28E-04	3.74E-02	248659	4090203	11
769	GRID	2.05E-07	3.58E-04	3.72E-02	250159	4089903	11
410	GRID	2.13E-07	3.31E-04	3.72E-02	248809	4090353	11
852	GRID	3.61E-07	7.41E-04	3.69E-02	250459	4089453	11
449	GRID	2.21E-07	3.93E-04	3.68E-02	248959	4090353	11
366	GRID	3.58E-07	5.99E-04	3.67E-02	248659	4089753	11
327	GRID	3.05E-07	4.31E-04	3.64E-02	248509	4089903	11
651	GRID	1.80E-07	3.04E-04	3.63E-02	249709	4090203	11
941	GRID	1.99E-07	2.19E-04	3.59E-02	250759	4089903	11
690	GRID	1.87E-07	3.13E-04	3.58E-02	249859	4090053	11
444	GRID	4.39E-07	1.10E-03	3.57E-02	248959	4089453	11
489	GRID	2.10E-07	4.26E-04	3.57E-02	249109	4090353	11
854	GRID	2.03E-07	3.74E-04	3.57E-02	250459	4089753	11
551	GRID	6.79E-07	1.04E-03	3.56E-02	249409	4087353	11
982	GRID	1.81E-07	2.64E-04	3.56E-02	250909	4089603	11
687	GRID	1.29E-06	4.15E-03	3.55E-02	249859	4089153	11
938	GRID	2.44E-07	4.94E-04	3.54E-02	250759	4089453	11
730	GRID	1.65E-07	2.61E-04	3.54E-02	250009	4090053	11
523	GRID	7.65E-07	2.03E-03	3.50E-02	249259	4089453	11
942	GRID	3.09E-07	2.10E-04	3.50E-02	250759	4090053	11
939	GRID	1.87E-07	3.12E-04	3.46E-02	250759	4089603	11
937	GRID	3.31E-07	7.30E-04	3.44E-02	250759	4089303	11
633	GRID	8.37E-07	9.78E-04	3.43E-02	249709	4087053	11
634	GRID	6.24E-07	8.64E-04	3.42E-02	249709	4087203	11
898	GRID	1.82E-07	2.70E-04	3.42E-02	250609	4089903	11
404	GRID	3.41E-07	8.34E-04	3.41E-02	248809	4089453	11
691	GRID	1.48E-07	2.21E-04	3.38E-02	249859	4090203	11
468	GRID	4.31E-07	1.44E-03	3.35E-02	249109	4087203	11
365	GRID	3.10E-07	6.79E-04	3.34E-02	248659	4089603	11
981	GRID	2.11E-07	3.95E-04	3.34E-02	250909	4089453	11
936	GRID	3.92E-07	9.54E-04	3.33E-02	250759	4089153	11
812	GRID	1.82E-07	3.14E-04	3.33E-02	250309	4089903	11
1063	GRID	4.10E-07	1.60E-04	3.33E-02	251209	4089903	11
892	GRID	4.66E-07	1.21E-03	3.32E-02	250609	4089003	11
731	GRID	1.38E-07	1.81E-04	3.32E-02	250009	4090203	11

FILE: C:\Documents and Settings\vleo\Desktop\Vleo\Gateway 01\Rep_PMI.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
592	GRID	4.98E-06	2.55E-03	5.41E-02	249559	4087203	11
688	GRID	3.76E-06	1.27E-02	4.45E-02	249859	4089303	11
550	GRID	3.00E-06	1.62E-03	6.56E-02	249409	4087203	11
607	GRID	2.28E-06	7.29E-03	4.25E-02	249559	4089453	11
648	GRID	2.07E-06	6.77E-03	4.06E-02	249709	4089303	11
728	GRID	1.99E-06	6.23E-03	4.91E-02	250009	4089303	11
486	GRID	1.63E-06	8.91E-04	8.50E-02	249109	4089903	11
768	GRID	1.52E-06	3.40E-03	8.88E-02	250159	4089303	11
608	GRID	1.42E-06	3.84E-03	4.53E-02	249559	4089603	11
525	GRID	1.39E-06	1.44E-03	7.75E-02	249259	4089753	11
565	GRID	1.33E-06	3.94E-03	4.09E-02	249409	4089453	11
727	GRID	1.26E-06	4.03E-03	3.67E-02	250009	4089153	11
567	GRID	1.23E-06	1.76E-03	6.03E-02	249409	4089753	11
687	GRID	1.17E-06	3.71E-03	3.44E-02	249859	4089153	11
767	GRID	1.10E-06	3.29E-03	4.26E-02	250159	4089153	11
566	GRID	1.10E-06	2.60E-03	4.47E-02	249409	4089603	11
808	GRID	1.01E-06	1.95E-03	5.23E-02	250309	4089303	11
606	GRID	9.94E-07	2.98E-03	3.28E-02	249559	4089303	11
609	GRID	9.86E-07	2.02E-03	5.46E-02	249559	4089753	11
407	GRID	9.67E-07	6.02E-04	6.66E-02	248809	4089903	11
485	GRID	9.46E-07	1.11E-03	7.34E-02	249109	4089753	11
591	GRID	9.01E-07	1.03E-03	3.63E-02	249559	4087053	11
807	GRID	8.91E-07	2.44E-03	3.84E-02	250309	4089153	11
1064	GRID	8.73E-07	3.97E-04	2.94E-02	251209	4090053	11
633	GRID	8.72E-07	9.26E-04	3.27E-02	249709	4087053	11
548	GRID	8.59E-07	4.22E-03	3.66E-02	249409	4086903	11
647	GRID	8.49E-07	2.61E-03	2.98E-02	249709	4089153	11
524	GRID	8.37E-07	1.75E-03	4.71E-02	249259	4089603	11
523	GRID	8.14E-07	2.24E-03	3.38E-02	249259	4089453	11
549	GRID	7.90E-07	1.32E-03	5.78E-02	249409	4087053	11
446	GRID	7.84E-07	8.47E-04	6.54E-02	248959	4089753	11
564	GRID	7.76E-07	2.28E-03	3.00E-02	249409	4089303	11
806	GRID	7.35E-07	2.18E-03	3.23E-02	250309	4089003	11
766	GRID	7.34E-07	2.20E-03	3.48E-02	250159	4089003	11
508	GRID	7.20E-07	1.10E-03	5.52E-02	249259	4087203	11
551	GRID	7.13E-07	1.03E-03	3.89E-02	249409	4087353	11
850	GRID	7.09E-07	1.79E-03	4.32E-02	250459	4089153	11
568	GRID	6.89E-07	1.18E-03	5.74E-02	249409	4089903	11
851	GRID	6.56E-07	1.41E-03	4.71E-02	250459	4089303	11
275	GRID	6.53E-07	2.03E-02	1.65E-02	248359	4088253	11
943	GRID	6.48E-07	2.91E-04	3.03E-02	250759	4090203	11
726	GRID	6.41E-07	1.95E-03	2.82E-02	250009	4089003	11
484	GRID	6.36E-07	1.35E-03	4.46E-02	249109	4089603	11
483	GRID	6.25E-07	1.68E-03	3.47E-02	249109	4089453	11
849	GRID	6.17E-07	1.75E-03	2.90E-02	250459	4089003	11
634	GRID	6.14E-07	8.43E-04	3.34E-02	249709	4087203	11
547	GRID	6.02E-07	3.96E-03	2.50E-02	249409	4086753	11
487	GRID	5.98E-07	6.97E-04	6.37E-02	249109	4090053	11
590	GRID	5.91E-07	1.94E-03	3.64E-02	249559	4086903	11
355	GRID	5.87E-07	1.77E-02	1.98E-02	248659	4088103	11
522	GRID	5.64E-07	1.57E-03	2.65E-02	249259	4089303	11
686	GRID	5.54E-07	1.67E-03	2.63E-02	249859	4089003	11
809	GRID	5.53E-07	1.04E-03	5.55E-02	250309	4089453	11
893	GRID	5.28E-07	1.30E-03	3.63E-02	250609	4089153	11
408	GRID	5.17E-07	5.27E-04	5.47E-02	248809	4090053	11

447	GRID	5.13E-07	5.90E-04	6.12E-02	248959	4090053	11
892	GRID	5.10E-07	1.36E-03	3.32E-02	250609	4089003	11
610	GRID	5.08E-07	1.06E-03	4.54E-02	249559	4089903	11
445	GRID	5.02E-07	1.06E-03	4.17E-02	248959	4089603	11
274	GRID	5.02E-07	1.50E-02	1.72E-02	248359	4088103	11
367	GRID	4.80E-07	4.93E-04	4.55E-02	248659	4089903	11
444	GRID	4.77E-07	1.26E-03	3.26E-02	248959	4089453	11
673	GRID	4.69E-07	7.67E-04	2.74E-02	249859	4087053	11
805	GRID	4.69E-07	1.37E-03	2.56E-02	250309	4088853	11
406	GRID	4.67E-07	6.67E-04	4.77E-02	248809	4089753	11
526	GRID	4.67E-07	7.89E-04	5.46E-02	249259	4090053	11
848	GRID	4.67E-07	1.35E-03	2.27E-02	250459	4088853	11
646	GRID	4.64E-07	1.37E-03	2.35E-02	249709	4089003	11
632	GRID	4.62E-07	1.25E-03	3.15E-02	249709	4086903	11
605	GRID	4.59E-07	1.25E-03	2.60E-02	249559	4089153	11
894	GRID	4.53E-07	1.04E-03	3.95E-02	250609	4089303	11
765	GRID	4.51E-07	1.31E-03	2.77E-02	250159	4088853	11
468	GRID	4.51E-07	1.44E-03	3.27E-02	249109	4087203	11
482	GRID	4.46E-07	1.21E-03	2.60E-02	249109	4089303	11
891	GRID	4.39E-07	1.24E-03	2.40E-02	250609	4088853	11
509	GRID	4.38E-07	9.77E-04	4.21E-02	249259	4087353	11
935	GRID	4.17E-07	1.06E-03	3.01E-02	250759	4089003	11
672	GRID	4.15E-07	9.65E-04	2.75E-02	249859	4086903	11
984	GRID	4.11E-07	1.85E-04	4.35E-02	250909	4090353	11
936	GRID	4.07E-07	9.98E-04	3.20E-02	250759	4089153	11
725	GRID	4.01E-07	1.17E-03	2.33E-02	250009	4088853	11
563	GRID	3.89E-07	1.04E-03	2.39E-02	249409	4089153	11
405	GRID	3.85E-07	8.43E-04	3.54E-02	248809	4089603	11
1107	GRID	3.84E-07	1.70E-04	2.45E-02	251359	4090053	11
1063	GRID	3.83E-07	1.50E-04	3.45E-02	251209	4089903	11
934	GRID	3.79E-07	1.01E-03	2.59E-02	250759	4088853	11
404	GRID	3.72E-07	9.65E-04	2.97E-02	248809	4089453	11
521	GRID	3.71E-07	9.92E-04	2.60E-02	249259	4089153	11
443	GRID	3.70E-07	1.00E-03	2.62E-02	248959	4089303	11
368	GRID	3.69E-07	4.48E-04	4.07E-02	248659	4090053	11
649	GRID	3.65E-07	7.25E-04	4.28E-02	249709	4089903	11
1106	GRID	3.63E-07	1.54E-04	2.77E-02	251359	4089903	11
429	GRID	3.62E-07	1.71E-03	2.98E-02	248959	4087203	11
569	GRID	3.62E-07	7.77E-04	4.82E-02	249409	4090053	11
366	GRID	3.61E-07	5.63E-04	3.58E-02	248659	4089753	11
852	GRID	3.46E-07	7.13E-04	3.65E-02	250459	4089453	11
546	GRID	3.45E-07	2.23E-03	2.11E-02	249409	4086603	11
978	GRID	3.39E-07	8.36E-04	2.79E-02	250909	4089003	11
890	GRID	3.37E-07	9.49E-04	1.90E-02	250609	4088703	11
937	GRID	3.36E-07	7.67E-04	3.34E-02	250759	4089303	11

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
275	GRID	6.53E-07	2.03E-02	1.65E-02	248359	4088253	11
355	GRID	5.87E-07	1.77E-02	1.98E-02	248659	4088103	11
274	GRID	5.02E-07	1.50E-02	1.72E-02	248359	4088103	11
688	GRID	3.76E-06	1.27E-02	4.45E-02	249859	4089303	11
607	GRID	2.28E-06	7.29E-03	4.25E-02	249559	4089453	11
354	GRID	2.80E-07	6.85E-03	1.88E-02	248659	4087953	11
648	GRID	2.07E-06	6.77E-03	4.06E-02	249709	4089303	11
728	GRID	1.99E-06	6.23E-03	4.91E-02	250009	4089303	11
394	GRID	2.52E-07	5.70E-03	2.04E-02	248809	4087953	11
395	GRID	2.45E-07	5.63E-03	1.99E-02	248809	4088103	11
356	GRID	2.32E-07	5.25E-03	1.99E-02	248659	4088253	11
232	GRID	2.18E-07	5.11E-03	1.35E-02	248209	4088253	11
316	GRID	2.21E-07	4.85E-03	2.12E-02	248509	4087953	11
548	GRID	8.59E-07	4.22E-03	3.66E-02	249409	4086903	11
231	GRID	1.90E-07	4.20E-03	1.45E-02	248209	4088103	11

727	GRID	1.26E-06	4.03E-03	3.67E-02	250009	4089153	11
276	GRID	1.94E-07	4.02E-03	1.60E-02	248359	4088403	11
547	GRID	6.02E-07	3.96E-03	2.50E-02	249409	4086753	11
565	GRID	1.33E-06	3.94E-03	4.09E-02	249409	4089453	11
608	GRID	1.42E-06	3.84E-03	4.53E-02	249559	4089603	11
687	GRID	1.17E-06	3.71E-03	3.44E-02	249859	4089153	11
434	GRID	1.91E-07	3.48E-03	2.14E-02	248959	4087953	11
768	GRID	1.52E-06	3.40E-03	8.88E-02	250159	4089303	11
767	GRID	1.10E-06	3.29E-03	4.26E-02	250159	4089153	11
606	GRID	9.94E-07	2.98E-03	3.28E-02	249559	4089303	11
233	GRID	1.60E-07	2.87E-03	1.41E-02	248209	4088403	11
393	GRID	1.77E-07	2.78E-03	1.97E-02	248809	4087803	11
433	GRID	1.83E-07	2.78E-03	2.13E-02	248959	4087803	11
189	GRID	1.47E-07	2.67E-03	1.30E-02	248059	4088253	11
647	GRID	8.49E-07	2.61E-03	2.98E-02	249709	4089153	11
566	GRID	1.10E-06	2.60E-03	4.47E-02	249409	4089603	11
592	GRID	4.98E-06	2.55E-03	5.41E-02	249559	4087203	11
435	GRID	1.59E-07	2.55E-03	2.15E-02	248959	4088103	11
807	GRID	8.91E-07	2.44E-03	3.84E-02	250309	4089153	11
188	GRID	1.35E-07	2.34E-03	1.31E-02	248059	4088103	11
353	GRID	1.60E-07	2.34E-03	1.85E-02	248659	4087803	11
564	GRID	7.76E-07	2.28E-03	3.00E-02	249409	4089303	11
317	GRID	1.47E-07	2.26E-03	1.79E-02	248509	4088403	11
523	GRID	8.14E-07	2.24E-03	3.38E-02	249259	4089453	11
546	GRID	3.45E-07	2.23E-03	2.11E-02	249409	4086603	11
507	GRID	3.16E-07	2.21E-03	2.80E-02	249259	4086603	11
766	GRID	7.34E-07	2.20E-03	3.48E-02	250159	4089003	11
806	GRID	7.35E-07	2.18E-03	3.23E-02	250309	4089003	11
472	GRID	1.66E-07	2.16E-03	2.15E-02	249109	4087803	11
473	GRID	1.47E-07	2.04E-03	2.00E-02	249109	4087953	11
609	GRID	9.86E-07	2.02E-03	5.46E-02	249559	4089753	11
589	GRID	3.33E-07	2.00E-03	1.94E-02	249559	4086603	11
273	GRID	1.34E-07	1.97E-03	1.66E-02	248359	4087953	11
808	GRID	1.01E-06	1.95E-03	5.23E-02	250309	4089303	11
726	GRID	6.41E-07	1.95E-03	2.82E-02	250009	4089003	11
309	GRID	2.72E-07	1.95E-03	1.97E-02	248509	4086903	11
590	GRID	5.91E-07	1.94E-03	3.64E-02	249559	4086903	11
310	GRID	2.76E-07	1.91E-03	1.87E-02	248509	4087053	11
315	GRID	1.41E-07	1.89E-03	1.80E-02	248509	4087803	11
467	GRID	2.60E-07	1.85E-03	2.54E-02	249109	4086603	11
389	GRID	3.22E-07	1.80E-03	2.53E-02	248809	4087203	11
850	GRID	7.09E-07	1.79E-03	4.32E-02	250459	4089153	11
190	GRID	1.27E-07	1.78E-03	1.26E-02	248059	4088403	11
567	GRID	1.23E-06	1.76E-03	6.03E-02	249409	4089753	11
524	GRID	8.37E-07	1.75E-03	4.71E-02	249259	4089603	11
849	GRID	6.17E-07	1.75E-03	2.90E-02	250459	4089003	11
146	GRID	1.18E-07	1.73E-03	1.17E-02	247909	4088253	11
429	GRID	3.62E-07	1.71E-03	2.98E-02	248959	4087203	11
471	GRID	1.84E-07	1.70E-03	2.38E-02	249109	4087653	11
483	GRID	6.25E-07	1.68E-03	3.47E-02	249109	4089453	11
349	GRID	2.79E-07	1.67E-03	2.19E-02	248659	4087203	11
686	GRID	5.54E-07	1.67E-03	2.63E-02	249859	4089003	11
432	GRID	1.71E-07	1.64E-03	2.18E-02	248959	4087653	11
550	GRID	3.00E-06	1.62E-03	6.56E-02	249409	4087203	11
631	GRID	2.97E-07	1.61E-03	2.03E-02	249709	4086603	11
396	GRID	1.31E-07	1.61E-03	1.93E-02	248809	4088253	11
234	GRID	1.30E-07	1.57E-03	1.38E-02	248209	4088553	11
522	GRID	5.64E-07	1.57E-03	2.65E-02	249259	4089303	11
392	GRID	1.61E-07	1.56E-03	2.09E-02	248809	4087653	11
145	GRID	1.10E-07	1.55E-03	1.17E-02	247909	4088103	11
512	GRID	1.47E-07	1.52E-03	2.35E-02	249259	4087803	11
511	GRID	1.82E-07	1.51E-03	2.63E-02	249259	4087653	11
230	GRID	1.15E-07	1.50E-03	1.40E-02	248209	4087953	11

277	GRID	1.31E-07	1.46E-03	1.57E-02	248359	4088553	11
474	GRID	1.27E-07	1.45E-03	2.00E-02	249109	4088103	11
468	GRID	4.51E-07	1.44E-03	3.27E-02	249109	4087203	11
525	GRID	1.39E-06	1.44E-03	7.75E-02	249259	4089753	11
851	GRID	6.56E-07	1.41E-03	4.71E-02	250459	4089303	11
311	GRID	2.19E-07	1.40E-03	2.02E-02	248509	4087203	11
805	GRID	4.69E-07	1.37E-03	2.56E-02	250309	4088853	11
646	GRID	4.64E-07	1.37E-03	2.35E-02	249709	4089003	11
428	GRID	1.98E-07	1.36E-03	2.36E-02	248959	4086603	11
892	GRID	5.10E-07	1.36E-03	3.32E-02	250609	4089003	11
513	GRID	1.25E-07	1.35E-03	2.00E-02	249259	4087953	11
352	GRID	1.46E-07	1.35E-03	1.94E-02	248659	4087653	11
848	GRID	4.67E-07	1.35E-03	2.27E-02	250459	4088853	11
484	GRID	6.36E-07	1.35E-03	4.46E-02	249109	4089603	11
588	GRID	2.25E-07	1.34E-03	1.67E-02	249559	4086453	11
549	GRID	7.90E-07	1.32E-03	5.78E-02	249409	4087053	11
765	GRID	4.51E-07	1.31E-03	2.77E-02	250159	4088853	11
545	GRID	2.14E-07	1.31E-03	1.86E-02	249409	4086453	11
267	GRID	1.95E-07	1.30E-03	1.69E-02	248359	4087053	11
893	GRID	5.28E-07	1.30E-03	3.63E-02	250609	4089153	11
314	GRID	1.35E-07	1.28E-03	1.81E-02	248509	4087653	11
630	GRID	2.20E-07	1.27E-03	1.64E-02	249709	4086453	11

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
768	GRID	1.52E-06	3.40E-03	8.88E-02	250159	4089303	11
486	GRID	1.63E-06	8.91E-04	8.50E-02	249109	4089903	11
525	GRID	1.39E-06	1.44E-03	7.75E-02	249259	4089753	11
485	GRID	9.46E-07	1.11E-03	7.34E-02	249109	4089753	11
407	GRID	9.67E-07	6.02E-04	6.66E-02	248809	4089903	11
550	GRID	3.00E-06	1.62E-03	6.56E-02	249409	4087203	11
446	GRID	7.84E-07	8.47E-04	6.54E-02	248959	4089753	11
487	GRID	5.98E-07	6.97E-04	6.37E-02	249109	4090053	11
447	GRID	5.13E-07	5.90E-04	6.12E-02	248959	4090053	11
567	GRID	1.23E-06	1.76E-03	6.03E-02	249409	4089753	11
549	GRID	7.90E-07	1.32E-03	5.78E-02	249409	4087053	11
568	GRID	6.89E-07	1.18E-03	5.74E-02	249409	4089903	11
809	GRID	5.53E-07	1.04E-03	5.55E-02	250309	4089453	11
508	GRID	7.20E-07	1.10E-03	5.52E-02	249259	4087203	11
408	GRID	5.17E-07	5.27E-04	5.47E-02	248809	4090053	11
609	GRID	9.86E-07	2.02E-03	5.46E-02	249559	4089753	11
526	GRID	4.67E-07	7.89E-04	5.46E-02	249259	4090053	11
592	GRID	4.98E-06	2.55E-03	5.41E-02	249559	4087203	11
808	GRID	1.01E-06	1.95E-03	5.23E-02	250309	4089303	11
728	GRID	1.99E-06	6.23E-03	4.91E-02	250009	4089303	11
569	GRID	3.62E-07	7.77E-04	4.82E-02	249409	4090053	11
406	GRID	4.67E-07	6.67E-04	4.77E-02	248809	4089753	11
524	GRID	8.37E-07	1.75E-03	4.71E-02	249259	4089603	11
851	GRID	6.56E-07	1.41E-03	4.71E-02	250459	4089303	11
488	GRID	3.32E-07	5.65E-04	4.70E-02	249109	4090203	11
448	GRID	3.36E-07	4.95E-04	4.63E-02	248959	4090203	11
367	GRID	4.80E-07	4.93E-04	4.55E-02	248659	4089903	11
610	GRID	5.08E-07	1.06E-03	4.54E-02	249559	4089903	11
608	GRID	1.42E-06	3.84E-03	4.53E-02	249559	4089603	11
810	GRID	2.92E-07	5.30E-04	4.50E-02	250309	4089603	11
566	GRID	1.10E-06	2.60E-03	4.47E-02	249409	4089603	11
484	GRID	6.36E-07	1.35E-03	4.46E-02	249109	4089603	11
688	GRID	3.76E-06	1.27E-02	4.45E-02	249859	4089303	11
409	GRID	3.21E-07	4.37E-04	4.42E-02	248809	4090203	11
984	GRID	4.11E-07	1.85E-04	4.35E-02	250909	4090353	11
850	GRID	7.09E-07	1.79E-03	4.32E-02	250459	4089153	11
729	GRID	2.43E-07	4.32E-04	4.29E-02	250009	4089903	11
649	GRID	3.65E-07	7.25E-04	4.28E-02	249709	4089903	11

767	GRID	1.10E-06	3.29E-03	4.26E-02	250159	4089153	11
607	GRID	2.28E-06	7.29E-03	4.25E-02	249559	4089453	11
509	GRID	4.38E-07	9.77E-04	4.21E-02	249259	4087353	11
445	GRID	5.02E-07	1.06E-03	4.17E-02	248959	4089603	11
689	GRID	2.91E-07	5.42E-04	4.16E-02	249859	4089903	11
527	GRID	2.90E-07	5.81E-04	4.12E-02	249259	4090203	11
565	GRID	1.33E-06	3.94E-03	4.09E-02	249409	4089453	11
769	GRID	2.04E-07	3.53E-04	4.08E-02	250159	4089903	11
368	GRID	3.69E-07	4.48E-04	4.07E-02	248659	4090053	11
648	GRID	2.07E-06	6.77E-03	4.06E-02	249709	4089303	11
811	GRID	2.11E-07	3.53E-04	4.04E-02	250309	4089753	11
611	GRID	3.09E-07	6.74E-04	4.00E-02	249559	4090053	11
570	GRID	2.50E-07	5.37E-04	3.96E-02	249409	4090203	11
894	GRID	4.53E-07	1.04E-03	3.95E-02	250609	4089303	11
1023	GRID	1.97E-07	1.66E-04	3.95E-02	251059	4089753	11
551	GRID	7.13E-07	1.03E-03	3.89E-02	249409	4087353	11
807	GRID	8.91E-07	2.44E-03	3.84E-02	250309	4089153	11
449	GRID	2.37E-07	4.17E-04	3.73E-02	248959	4090353	11
650	GRID	2.44E-07	4.88E-04	3.71E-02	249709	4090053	11
853	GRID	2.23E-07	4.12E-04	3.71E-02	250459	4089603	11
489	GRID	2.26E-07	4.37E-04	3.70E-02	249109	4090353	11
895	GRID	2.73E-07	5.89E-04	3.69E-02	250609	4089453	11
812	GRID	1.60E-07	2.36E-04	3.68E-02	250309	4089903	11
369	GRID	2.82E-07	3.92E-04	3.67E-02	248659	4090203	11
727	GRID	1.26E-06	4.03E-03	3.67E-02	250009	4089153	11
548	GRID	8.59E-07	4.22E-03	3.66E-02	249409	4086903	11
852	GRID	3.46E-07	7.13E-04	3.65E-02	250459	4089453	11
590	GRID	5.91E-07	1.94E-03	3.64E-02	249559	4086903	11
591	GRID	9.01E-07	1.03E-03	3.63E-02	249559	4087053	11
410	GRID	2.36E-07	3.72E-04	3.63E-02	248809	4090353	11
893	GRID	5.28E-07	1.30E-03	3.63E-02	250609	4089153	11
612	GRID	2.23E-07	4.61E-04	3.63E-02	249559	4090203	11
366	GRID	3.61E-07	5.63E-04	3.58E-02	248659	4089753	11
854	GRID	1.83E-07	3.02E-04	3.57E-02	250459	4089753	11
405	GRID	3.85E-07	8.43E-04	3.54E-02	248809	4089603	11
690	GRID	2.06E-07	3.75E-04	3.48E-02	249859	4090053	11
766	GRID	7.34E-07	2.20E-03	3.48E-02	250159	4089003	11
483	GRID	6.25E-07	1.68E-03	3.47E-02	249109	4089453	11
1063	GRID	3.83E-07	1.50E-04	3.45E-02	251209	4089903	11
571	GRID	1.89E-07	3.99E-04	3.44E-02	249409	4090353	11
687	GRID	1.17E-06	3.71E-03	3.44E-02	249859	4089153	11
691	GRID	1.61E-07	2.67E-04	3.43E-02	249859	4090203	11
730	GRID	1.85E-07	3.22E-04	3.42E-02	250009	4090053	11
327	GRID	3.25E-07	4.16E-04	3.41E-02	248509	4089903	11
528	GRID	2.04E-07	4.26E-04	3.40E-02	249259	4090353	11
985	GRID	1.40E-07	7.83E-05	3.40E-02	250909	4090503	11
523	GRID	8.14E-07	2.24E-03	3.38E-02	249259	4089453	11
634	GRID	6.14E-07	8.43E-04	3.34E-02	249709	4087203	11
651	GRID	1.84E-07	3.44E-04	3.34E-02	249709	4090203	11
937	GRID	3.36E-07	7.67E-04	3.34E-02	250759	4089303	11
938	GRID	2.21E-07	4.66E-04	3.34E-02	250759	4089453	11
892	GRID	5.10E-07	1.36E-03	3.32E-02	250609	4089003	11
855	GRID	1.63E-07	2.19E-04	3.32E-02	250459	4089903	11
981	GRID	1.96E-07	3.70E-04	3.31E-02	250909	4089453	11
606	GRID	9.94E-07	2.98E-03	3.28E-02	249559	4089303	11
468	GRID	4.51E-07	1.44E-03	3.27E-02	249109	4087203	11
633	GRID	8.72E-07	9.26E-04	3.27E-02	249709	4087053	11
898	GRID	1.59E-07	1.93E-04	3.26E-02	250609	4089903	11
444	GRID	4.77E-07	1.26E-03	3.26E-02	248959	4089453	11
980	GRID	2.75E-07	6.05E-04	3.26E-02	250909	4089303	11
770	GRID	1.70E-07	2.64E-04	3.23E-02	250159	4090053	11
1062	GRID	2.07E-07	1.42E-04	3.23E-02	251209	4089753	11

FILE: C:\Documents and Settings\vleo\Desktop\Vleo\Gateway 02\Rep_PMI.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
592	GRID	5.20E-06	2.66E-03	5.47E-02	249559	4087203	11
688	GRID	3.95E-06	1.34E-02	4.53E-02	249859	4089303	11
550	GRID	3.03E-06	1.60E-03	6.49E-02	249409	4087203	11
607	GRID	2.31E-06	7.37E-03	4.05E-02	249559	4089453	11
648	GRID	2.23E-06	7.32E-03	3.89E-02	249709	4089303	11
728	GRID	2.06E-06	6.46E-03	5.03E-02	250009	4089303	11
486	GRID	1.58E-06	8.19E-04	8.61E-02	249109	4089903	11
768	GRID	1.57E-06	3.57E-03	9.13E-02	250159	4089303	11
608	GRID	1.39E-06	3.69E-03	4.43E-02	249559	4089603	11
525	GRID	1.37E-06	1.32E-03	7.50E-02	249259	4089753	11
565	GRID	1.36E-06	4.07E-03	4.05E-02	249409	4089453	11
727	GRID	1.33E-06	4.23E-03	3.90E-02	250009	4089153	11
567	GRID	1.21E-06	1.63E-03	5.80E-02	249409	4089753	11
687	GRID	1.15E-06	3.65E-03	3.42E-02	249859	4089153	11
767	GRID	1.10E-06	3.27E-03	4.42E-02	250159	4089153	11
566	GRID	1.06E-06	2.42E-03	4.34E-02	249409	4089603	11
808	GRID	1.05E-06	2.08E-03	5.35E-02	250309	4089303	11
606	GRID	1.02E-06	3.09E-03	3.29E-02	249559	4089303	11
407	GRID	9.70E-07	5.61E-04	6.65E-02	248809	4089903	11
485	GRID	9.52E-07	1.03E-03	7.50E-02	249109	4089753	11
647	GRID	9.40E-07	2.93E-03	3.21E-02	249709	4089153	11
609	GRID	9.23E-07	1.76E-03	5.29E-02	249559	4089753	11
548	GRID	9.20E-07	4.41E-03	3.70E-02	249409	4086903	11
591	GRID	9.14E-07	1.14E-03	3.83E-02	249559	4087053	11
807	GRID	8.81E-07	2.41E-03	3.96E-02	250309	4089153	11
633	GRID	8.79E-07	1.02E-03	3.41E-02	249709	4087053	11
1064	GRID	8.67E-07	3.91E-04	2.96E-02	251209	4090053	11
549	GRID	8.48E-07	1.39E-03	5.88E-02	249409	4087053	11
524	GRID	8.44E-07	1.76E-03	4.64E-02	249259	4089603	11
523	GRID	8.38E-07	2.31E-03	3.23E-02	249259	4089453	11
446	GRID	7.85E-07	8.36E-04	6.56E-02	248959	4089753	11
564	GRID	7.84E-07	2.32E-03	2.83E-02	249409	4089303	11
766	GRID	7.73E-07	2.32E-03	3.64E-02	250159	4089003	11
806	GRID	7.20E-07	2.15E-03	3.26E-02	250309	4089003	11
508	GRID	7.14E-07	1.02E-03	5.66E-02	249259	4087203	11
850	GRID	7.11E-07	1.80E-03	4.36E-02	250459	4089153	11
851	GRID	6.82E-07	1.50E-03	4.65E-02	250459	4089303	11
484	GRID	6.80E-07	1.44E-03	4.41E-02	249109	4089603	11
568	GRID	6.66E-07	1.04E-03	5.56E-02	249409	4089903	11
943	GRID	6.58E-07	2.95E-04	3.10E-02	250759	4090203	11
634	GRID	6.58E-07	8.77E-04	3.46E-02	249709	4087203	11
726	GRID	6.55E-07	1.97E-03	2.93E-02	250009	4089003	11
483	GRID	6.47E-07	1.73E-03	3.48E-02	249109	4089453	11
275	GRID	6.33E-07	1.96E-02	2.21E-02	248359	4088253	11
547	GRID	6.32E-07	4.01E-03	2.56E-02	249409	4086753	11
551	GRID	6.13E-07	1.03E-03	3.86E-02	249409	4087353	11
590	GRID	6.06E-07	2.05E-03	3.74E-02	249559	4086903	11
849	GRID	5.97E-07	1.68E-03	2.88E-02	250459	4089003	11
355	GRID	5.94E-07	1.80E-02	2.01E-02	248659	4088103	11
809	GRID	5.81E-07	1.10E-03	5.51E-02	250309	4089453	11
522	GRID	5.73E-07	1.60E-03	2.57E-02	249259	4089303	11
487	GRID	5.51E-07	6.34E-04	6.38E-02	249109	4090053	11
686	GRID	5.38E-07	1.60E-03	2.88E-02	249859	4089003	11
893	GRID	5.37E-07	1.35E-03	3.72E-02	250609	4089153	11
445	GRID	5.34E-07	1.15E-03	4.29E-02	248959	4089603	11

274	GRID	5.19E-07	1.57E-02	2.10E-02	248359	4088103	11
646	GRID	5.15E-07	1.55E-03	2.29E-02	249709	4089003	11
605	GRID	5.00E-07	1.41E-03	2.48E-02	249559	4089153	11
892	GRID	4.99E-07	1.32E-03	3.45E-02	250609	4089003	11
444	GRID	4.94E-07	1.29E-03	3.38E-02	248959	4089453	11
805	GRID	4.93E-07	1.45E-03	2.55E-02	250309	4088853	11
406	GRID	4.88E-07	6.98E-04	4.87E-02	248809	4089753	11
632	GRID	4.84E-07	1.35E-03	3.13E-02	249709	4086903	11
408	GRID	4.83E-07	4.82E-04	5.52E-02	248809	4090053	11
367	GRID	4.82E-07	4.78E-04	4.55E-02	248659	4089903	11
894	GRID	4.75E-07	1.10E-03	3.86E-02	250609	4089303	11
673	GRID	4.74E-07	8.06E-04	2.72E-02	249859	4087053	11
765	GRID	4.69E-07	1.35E-03	2.79E-02	250159	4088853	11
447	GRID	4.67E-07	5.43E-04	5.71E-02	248959	4090053	11
848	GRID	4.66E-07	1.35E-03	2.34E-02	250459	4088853	11
610	GRID	4.60E-07	8.58E-04	4.44E-02	249559	4089903	11
482	GRID	4.57E-07	1.23E-03	2.64E-02	249109	4089303	11
468	GRID	4.33E-07	1.25E-03	3.30E-02	249109	4087203	11
672	GRID	4.28E-07	1.06E-03	2.83E-02	249859	4086903	11
891	GRID	4.24E-07	1.18E-03	2.29E-02	250609	4088853	11
936	GRID	4.24E-07	1.05E-03	3.13E-02	250759	4089153	11
526	GRID	4.17E-07	6.90E-04	5.15E-02	249259	4090053	11
509	GRID	4.13E-07	9.81E-04	4.16E-02	249259	4087353	11
405	GRID	4.12E-07	9.02E-04	3.71E-02	248809	4089603	11
935	GRID	4.10E-07	1.04E-03	3.06E-02	250759	4089003	11
1063	GRID	4.06E-07	1.68E-04	3.40E-02	251209	4089903	11
563	GRID	4.03E-07	1.11E-03	2.34E-02	249409	4089153	11
1107	GRID	3.96E-07	1.71E-04	2.35E-02	251359	4090053	11
725	GRID	3.91E-07	1.11E-03	2.60E-02	250009	4088853	11
404	GRID	3.86E-07	9.91E-04	3.02E-02	248809	4089453	11
521	GRID	3.82E-07	1.03E-03	2.54E-02	249259	4089153	11
443	GRID	3.81E-07	1.02E-03	2.73E-02	248959	4089303	11
366	GRID	3.78E-07	6.12E-04	3.73E-02	248659	4089753	11
934	GRID	3.67E-07	9.63E-04	2.69E-02	250759	4088853	11
852	GRID	3.66E-07	7.55E-04	3.74E-02	250459	4089453	11
1106	GRID	3.63E-07	1.48E-04	2.70E-02	251359	4089903	11
546	GRID	3.63E-07	2.24E-03	2.14E-02	249409	4086603	11
368	GRID	3.56E-07	4.11E-04	4.13E-02	248659	4090053	11
937	GRID	3.55E-07	8.08E-04	3.32E-02	250759	4089303	11
1065	GRID	3.55E-07	1.57E-04	2.40E-02	251209	4090203	11
847	GRID	3.49E-07	1.00E-03	2.08E-02	250459	4088703	11
649	GRID	3.47E-07	6.54E-04	4.10E-02	249709	4089903	11
979	GRID	3.46E-07	8.33E-04	3.06E-02	250909	4089153	11
589	GRID	3.42E-07	2.00E-03	2.00E-02	249559	4086603	11
890	GRID	3.42E-07	9.63E-04	1.92E-02	250609	4088703	11

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
275	GRID	6.33E-07	1.96E-02	2.21E-02	248359	4088253	11
355	GRID	5.94E-07	1.80E-02	2.01E-02	248659	4088103	11
274	GRID	5.19E-07	1.57E-02	2.10E-02	248359	4088103	11
688	GRID	3.95E-06	1.34E-02	4.53E-02	249859	4089303	11
607	GRID	2.31E-06	7.37E-03	4.05E-02	249559	4089453	11
648	GRID	2.23E-06	7.32E-03	3.89E-02	249709	4089303	11
354	GRID	2.81E-07	6.91E-03	1.87E-02	248659	4087953	11
728	GRID	2.06E-06	6.46E-03	5.03E-02	250009	4089303	11
395	GRID	2.48E-07	5.71E-03	2.03E-02	248809	4088103	11
394	GRID	2.48E-07	5.60E-03	2.08E-02	248809	4087953	11
356	GRID	2.38E-07	5.44E-03	1.97E-02	248659	4088253	11
316	GRID	2.28E-07	5.18E-03	2.12E-02	248509	4087953	11
232	GRID	2.18E-07	5.15E-03	1.60E-02	248209	4088253	11
548	GRID	9.20E-07	4.41E-03	3.70E-02	249409	4086903	11
231	GRID	1.93E-07	4.30E-03	1.65E-02	248209	4088103	11

727	GRID	1.33E-06	4.23E-03	3.90E-02	250009	4089153	11
565	GRID	1.36E-06	4.07E-03	4.05E-02	249409	4089453	11
547	GRID	6.32E-07	4.01E-03	2.56E-02	249409	4086753	11
608	GRID	1.39E-06	3.69E-03	4.43E-02	249559	4089603	11
687	GRID	1.15E-06	3.65E-03	3.42E-02	249859	4089153	11
768	GRID	1.57E-06	3.57E-03	9.13E-02	250159	4089303	11
276	GRID	1.75E-07	3.36E-03	1.72E-02	248359	4088403	11
434	GRID	1.86E-07	3.34E-03	2.30E-02	248959	4087953	11
767	GRID	1.10E-06	3.27E-03	4.42E-02	250159	4089153	11
606	GRID	1.02E-06	3.09E-03	3.29E-02	249559	4089303	11
647	GRID	9.40E-07	2.93E-03	3.21E-02	249709	4089153	11
393	GRID	1.78E-07	2.89E-03	2.12E-02	248809	4087803	11
189	GRID	1.50E-07	2.79E-03	1.63E-02	248059	4088253	11
433	GRID	1.77E-07	2.73E-03	2.27E-02	248959	4087803	11
435	GRID	1.64E-07	2.68E-03	2.16E-02	248959	4088103	11
592	GRID	5.20E-06	2.66E-03	5.47E-02	249559	4087203	11
233	GRID	1.51E-07	2.57E-03	1.67E-02	248209	4088403	11
566	GRID	1.06E-06	2.42E-03	4.34E-02	249409	4089603	11
807	GRID	8.81E-07	2.41E-03	3.96E-02	250309	4089153	11
188	GRID	1.36E-07	2.39E-03	1.59E-02	248059	4088103	11
273	GRID	1.43E-07	2.37E-03	1.77E-02	248359	4087953	11
564	GRID	7.84E-07	2.32E-03	2.83E-02	249409	4089303	11
766	GRID	7.73E-07	2.32E-03	3.64E-02	250159	4089003	11
523	GRID	8.38E-07	2.31E-03	3.23E-02	249259	4089453	11
507	GRID	3.37E-07	2.25E-03	2.85E-02	249259	4086603	11
546	GRID	3.63E-07	2.24E-03	2.14E-02	249409	4086603	11
353	GRID	1.54E-07	2.21E-03	1.86E-02	248659	4087803	11
806	GRID	7.20E-07	2.15E-03	3.26E-02	250309	4089003	11
808	GRID	1.05E-06	2.08E-03	5.35E-02	250309	4089303	11
473	GRID	1.45E-07	2.06E-03	2.15E-02	249109	4087953	11
590	GRID	6.06E-07	2.05E-03	3.74E-02	249559	4086903	11
309	GRID	2.83E-07	2.04E-03	2.22E-02	248509	4086903	11
315	GRID	1.43E-07	2.03E-03	1.87E-02	248509	4087803	11
310	GRID	2.88E-07	2.01E-03	2.06E-02	248509	4087053	11
589	GRID	3.42E-07	2.00E-03	2.00E-02	249559	4086603	11
472	GRID	1.56E-07	1.99E-03	2.20E-02	249109	4087803	11
726	GRID	6.55E-07	1.97E-03	2.93E-02	250009	4089003	11
467	GRID	2.83E-07	1.93E-03	2.63E-02	249109	4086603	11
146	GRID	1.20E-07	1.82E-03	1.45E-02	247909	4088253	11
850	GRID	7.11E-07	1.80E-03	4.36E-02	250459	4089153	11
524	GRID	8.44E-07	1.76E-03	4.64E-02	249259	4089603	11
609	GRID	9.23E-07	1.76E-03	5.29E-02	249559	4089753	11
396	GRID	1.36E-07	1.73E-03	2.00E-02	248809	4088253	11
483	GRID	6.47E-07	1.73E-03	3.48E-02	249109	4089453	11
432	GRID	1.66E-07	1.72E-03	2.25E-02	248959	4087653	11
317	GRID	1.31E-07	1.70E-03	2.00E-02	248509	4088403	11
471	GRID	1.75E-07	1.69E-03	2.43E-02	249109	4087653	11
849	GRID	5.97E-07	1.68E-03	2.88E-02	250459	4089003	11
190	GRID	1.23E-07	1.68E-03	1.39E-02	248059	4088403	11
567	GRID	1.21E-06	1.63E-03	5.80E-02	249409	4089753	11
522	GRID	5.73E-07	1.60E-03	2.57E-02	249259	4089303	11
550	GRID	3.03E-06	1.60E-03	6.49E-02	249409	4087203	11
686	GRID	5.38E-07	1.60E-03	2.88E-02	249859	4089003	11
631	GRID	2.96E-07	1.60E-03	1.97E-02	249709	4086603	11
230	GRID	1.16E-07	1.59E-03	1.42E-02	248209	4087953	11
145	GRID	1.10E-07	1.58E-03	1.50E-02	247909	4088103	11
646	GRID	5.15E-07	1.55E-03	2.29E-02	249709	4089003	11
389	GRID	3.04E-07	1.55E-03	2.66E-02	248809	4087203	11
474	GRID	1.29E-07	1.54E-03	2.20E-02	249109	4088103	11
349	GRID	2.69E-07	1.54E-03	2.43E-02	248659	4087203	11
851	GRID	6.82E-07	1.50E-03	4.65E-02	250459	4089303	11
392	GRID	1.53E-07	1.49E-03	2.26E-02	248809	4087653	11
428	GRID	2.19E-07	1.45E-03	2.58E-02	248959	4086603	11

429	GRID	3.41E-07	1.45E-03	2.99E-02	248959	4087203	11
805	GRID	4.93E-07	1.45E-03	2.55E-02	250309	4088853	11
484	GRID	6.80E-07	1.44E-03	4.41E-02	249109	4089603	11
267	GRID	2.08E-07	1.42E-03	1.86E-02	248359	4087053	11
605	GRID	5.00E-07	1.41E-03	2.48E-02	249559	4089153	11
311	GRID	2.21E-07	1.41E-03	2.21E-02	248509	4087203	11
512	GRID	1.37E-07	1.41E-03	2.26E-02	249259	4087803	11
513	GRID	1.25E-07	1.40E-03	1.95E-02	249259	4087953	11
549	GRID	8.48E-07	1.39E-03	5.88E-02	249409	4087053	11
314	GRID	1.35E-07	1.37E-03	1.88E-02	248509	4087653	11
266	GRID	1.95E-07	1.36E-03	2.07E-02	248359	4086903	11
511	GRID	1.66E-07	1.36E-03	2.58E-02	249259	4087653	11
588	GRID	2.34E-07	1.35E-03	1.72E-02	249559	4086453	11
893	GRID	5.37E-07	1.35E-03	3.72E-02	250609	4089153	11
848	GRID	4.66E-07	1.35E-03	2.34E-02	250459	4088853	11
765	GRID	4.69E-07	1.35E-03	2.79E-02	250159	4088853	11
632	GRID	4.84E-07	1.35E-03	3.13E-02	249709	4086903	11
234	GRID	1.24E-07	1.33E-03	1.55E-02	248209	4088553	11
525	GRID	1.37E-06	1.32E-03	7.50E-02	249259	4089753	11
545	GRID	2.30E-07	1.32E-03	1.89E-02	249409	4086453	11
892	GRID	4.99E-07	1.32E-03	3.45E-02	250609	4089003	11
103	GRID	1.02E-07	1.30E-03	1.25E-02	247759	4088253	11

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
768	GRID	1.57E-06	3.57E-03	9.13E-02	250159	4089303	11
486	GRID	1.58E-06	8.19E-04	8.61E-02	249109	4089903	11
525	GRID	1.37E-06	1.32E-03	7.50E-02	249259	4089753	11
485	GRID	9.52E-07	1.03E-03	7.50E-02	249109	4089753	11
407	GRID	9.70E-07	5.61E-04	6.65E-02	248809	4089903	11
446	GRID	7.85E-07	8.36E-04	6.56E-02	248959	4089753	11
550	GRID	3.03E-06	1.60E-03	6.49E-02	249409	4087203	11
487	GRID	5.51E-07	6.34E-04	6.38E-02	249109	4090053	11
549	GRID	8.48E-07	1.39E-03	5.88E-02	249409	4087053	11
567	GRID	1.21E-06	1.63E-03	5.80E-02	249409	4089753	11
447	GRID	4.67E-07	5.43E-04	5.71E-02	248959	4090053	11
508	GRID	7.14E-07	1.02E-03	5.66E-02	249259	4087203	11
568	GRID	6.66E-07	1.04E-03	5.56E-02	249409	4089903	11
408	GRID	4.83E-07	4.82E-04	5.52E-02	248809	4090053	11
809	GRID	5.81E-07	1.10E-03	5.51E-02	250309	4089453	11
592	GRID	5.20E-06	2.66E-03	5.47E-02	249559	4087203	11
808	GRID	1.05E-06	2.08E-03	5.35E-02	250309	4089303	11
609	GRID	9.23E-07	1.76E-03	5.29E-02	249559	4089753	11
526	GRID	4.17E-07	6.90E-04	5.15E-02	249259	4090053	11
728	GRID	2.06E-06	6.46E-03	5.03E-02	250009	4089303	11
406	GRID	4.88E-07	6.98E-04	4.87E-02	248809	4089753	11
488	GRID	2.88E-07	4.91E-04	4.75E-02	249109	4090203	11
851	GRID	6.82E-07	1.50E-03	4.65E-02	250459	4089303	11
524	GRID	8.44E-07	1.76E-03	4.64E-02	249259	4089603	11
367	GRID	4.82E-07	4.78E-04	4.55E-02	248659	4089903	11
688	GRID	3.95E-06	1.34E-02	4.53E-02	249859	4089303	11
569	GRID	3.22E-07	6.44E-04	4.49E-02	249409	4090053	11
448	GRID	3.04E-07	4.50E-04	4.48E-02	248959	4090203	11
984	GRID	3.36E-07	1.48E-04	4.45E-02	250909	4090353	11
610	GRID	4.60E-07	8.58E-04	4.44E-02	249559	4089903	11
608	GRID	1.39E-06	3.69E-03	4.43E-02	249559	4089603	11
767	GRID	1.10E-06	3.27E-03	4.42E-02	250159	4089153	11
484	GRID	6.80E-07	1.44E-03	4.41E-02	249109	4089603	11
409	GRID	2.90E-07	4.03E-04	4.41E-02	248809	4090203	11
850	GRID	7.11E-07	1.80E-03	4.36E-02	250459	4089153	11
566	GRID	1.06E-06	2.42E-03	4.34E-02	249409	4089603	11
445	GRID	5.34E-07	1.15E-03	4.29E-02	248959	4089603	11
811	GRID	2.18E-07	3.84E-04	4.26E-02	250309	4089753	11

810	GRID	3.11E-07	6.00E-04	4.17E-02	250309	4089603	11
509	GRID	4.13E-07	9.81E-04	4.16E-02	249259	4087353	11
368	GRID	3.56E-07	4.11E-04	4.13E-02	248659	4090053	11
729	GRID	2.17E-07	3.50E-04	4.12E-02	250009	4089903	11
649	GRID	3.47E-07	6.54E-04	4.10E-02	249709	4089903	11
689	GRID	2.54E-07	4.17E-04	4.07E-02	249859	4089903	11
607	GRID	2.31E-06	7.37E-03	4.05E-02	249559	4089453	11
565	GRID	1.36E-06	4.07E-03	4.05E-02	249409	4089453	11
1023	GRID	2.08E-07	1.87E-04	4.01E-02	251059	4089753	11
489	GRID	1.95E-07	3.74E-04	3.97E-02	249109	4090353	11
807	GRID	8.81E-07	2.41E-03	3.96E-02	250309	4089153	11
727	GRID	1.33E-06	4.23E-03	3.90E-02	250009	4089153	11
648	GRID	2.23E-06	7.32E-03	3.89E-02	249709	4089303	11
570	GRID	2.07E-07	4.13E-04	3.88E-02	249409	4090203	11
551	GRID	6.13E-07	1.03E-03	3.86E-02	249409	4087353	11
894	GRID	4.75E-07	1.10E-03	3.86E-02	250609	4089303	11
527	GRID	2.51E-07	4.94E-04	3.85E-02	249259	4090203	11
611	GRID	2.76E-07	5.38E-04	3.84E-02	249559	4090053	11
591	GRID	9.14E-07	1.14E-03	3.83E-02	249559	4087053	11
853	GRID	2.43E-07	4.57E-04	3.80E-02	250459	4089603	11
895	GRID	2.91E-07	6.28E-04	3.78E-02	250609	4089453	11
852	GRID	3.66E-07	7.55E-04	3.74E-02	250459	4089453	11
590	GRID	6.06E-07	2.05E-03	3.74E-02	249559	4086903	11
366	GRID	3.78E-07	6.12E-04	3.73E-02	248659	4089753	11
769	GRID	1.85E-07	2.84E-04	3.72E-02	250159	4089903	11
893	GRID	5.37E-07	1.35E-03	3.72E-02	250609	4089153	11
405	GRID	4.12E-07	9.02E-04	3.71E-02	248809	4089603	11
548	GRID	9.20E-07	4.41E-03	3.70E-02	249409	4086903	11
812	GRID	1.54E-07	2.15E-04	3.65E-02	250309	4089903	11
766	GRID	7.73E-07	2.32E-03	3.64E-02	250159	4089003	11
650	GRID	2.34E-07	4.40E-04	3.60E-02	249709	4090053	11
449	GRID	2.06E-07	3.63E-04	3.56E-02	248959	4090353	11
369	GRID	2.58E-07	3.58E-04	3.55E-02	248659	4090203	11
410	GRID	2.12E-07	3.39E-04	3.54E-02	248809	4090353	11
483	GRID	6.47E-07	1.73E-03	3.48E-02	249109	4089453	11
634	GRID	6.58E-07	8.77E-04	3.46E-02	249709	4087203	11
892	GRID	4.99E-07	1.32E-03	3.45E-02	250609	4089003	11
983	GRID	1.99E-07	2.18E-04	3.43E-02	250909	4089753	11
687	GRID	1.15E-06	3.65E-03	3.42E-02	249859	4089153	11
633	GRID	8.79E-07	1.02E-03	3.41E-02	249709	4087053	11
1063	GRID	4.06E-07	1.68E-04	3.40E-02	251209	4089903	11
855	GRID	1.67E-07	2.29E-04	3.39E-02	250459	4089903	11
444	GRID	4.94E-07	1.29E-03	3.38E-02	248959	4089453	11
327	GRID	3.30E-07	4.24E-04	3.38E-02	248509	4089903	11
730	GRID	1.65E-07	2.49E-04	3.38E-02	250009	4090053	11
651	GRID	1.74E-07	3.10E-04	3.38E-02	249709	4090203	11
690	GRID	1.82E-07	2.90E-04	3.36E-02	249859	4090053	11
981	GRID	2.17E-07	3.96E-04	3.35E-02	250909	4089453	11
691	GRID	1.44E-07	2.07E-04	3.33E-02	249859	4090203	11
937	GRID	3.55E-07	8.08E-04	3.32E-02	250759	4089303	11
938	GRID	2.41E-07	4.98E-04	3.32E-02	250759	4089453	11
468	GRID	4.33E-07	1.25E-03	3.30E-02	249109	4087203	11
856	GRID	1.58E-07	1.34E-04	3.30E-02	250459	4090053	11
328	GRID	2.74E-07	3.54E-04	3.29E-02	248509	4090053	11
606	GRID	1.02E-06	3.09E-03	3.29E-02	249559	4089303	11
944	GRID	2.89E-07	1.25E-04	3.27E-02	250759	4090353	11
897	GRID	1.73E-07	2.90E-04	3.27E-02	250609	4089753	11
528	GRID	1.73E-07	3.48E-04	3.27E-02	249259	4090353	11
980	GRID	2.93E-07	6.35E-04	3.27E-02	250909	4089303	11
806	GRID	7.20E-07	2.15E-03	3.26E-02	250309	4089003	11
939	GRID	1.76E-07	3.01E-04	3.26E-02	250759	4089603	11
982	GRID	1.80E-07	2.48E-04	3.25E-02	250909	4089603	11

FILE: C:\Documents and Settings\vleo\Desktop\Vleo\Gateway 03\Rep_PMI.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
592	GRID	5.43E-06	2.79E-03	5.53E-02	249559	4087203	11
688	GRID	3.89E-06	1.32E-02	4.52E-02	249859	4089303	11
550	GRID	2.79E-06	1.52E-03	6.59E-02	249409	4087203	11
648	GRID	2.30E-06	7.62E-03	3.62E-02	249709	4089303	11
607	GRID	2.13E-06	6.80E-03	4.04E-02	249559	4089453	11
728	GRID	2.10E-06	6.61E-03	5.22E-02	250009	4089303	11
768	GRID	1.57E-06	3.56E-03	9.26E-02	250159	4089303	11
486	GRID	1.52E-06	8.76E-04	8.73E-02	249109	4089903	11
608	GRID	1.40E-06	3.75E-03	4.44E-02	249559	4089603	11
525	GRID	1.37E-06	1.37E-03	7.46E-02	249259	4089753	11
727	GRID	1.27E-06	4.05E-03	3.66E-02	250009	4089153	11
567	GRID	1.25E-06	1.73E-03	5.82E-02	249409	4089753	11
565	GRID	1.24E-06	3.67E-03	4.10E-02	249409	4089453	11
767	GRID	1.12E-06	3.35E-03	3.90E-02	250159	4089153	11
687	GRID	1.12E-06	3.54E-03	3.51E-02	249859	4089153	11
808	GRID	1.05E-06	2.07E-03	5.22E-02	250309	4089303	11
566	GRID	1.01E-06	2.32E-03	4.36E-02	249409	4089603	11
606	GRID	9.89E-07	3.00E-03	3.00E-02	249559	4089303	11
609	GRID	9.52E-07	1.87E-03	5.29E-02	249559	4089753	11
485	GRID	9.28E-07	9.71E-04	7.67E-02	249109	4089753	11
548	GRID	9.27E-07	4.54E-03	3.67E-02	249409	4086903	11
647	GRID	9.02E-07	2.83E-03	3.06E-02	249709	4089153	11
807	GRID	8.98E-07	2.49E-03	3.76E-02	250309	4089153	11
633	GRID	8.95E-07	1.04E-03	3.32E-02	249709	4087053	11
407	GRID	8.93E-07	5.22E-04	6.60E-02	248809	4089903	11
591	GRID	8.87E-07	1.13E-03	3.87E-02	249559	4087053	11
1064	GRID	8.83E-07	4.00E-04	3.01E-02	251209	4090053	11
549	GRID	8.76E-07	1.42E-03	5.99E-02	249409	4087053	11
524	GRID	7.66E-07	1.51E-03	4.74E-02	249259	4089603	11
564	GRID	7.65E-07	2.27E-03	2.77E-02	249409	4089303	11
523	GRID	7.64E-07	2.08E-03	3.39E-02	249259	4089453	11
446	GRID	7.33E-07	7.13E-04	6.60E-02	248959	4089753	11
766	GRID	7.32E-07	2.19E-03	3.21E-02	250159	4089003	11
806	GRID	7.28E-07	2.18E-03	3.13E-02	250309	4089003	11
568	GRID	7.17E-07	1.12E-03	5.53E-02	249409	4089903	11
850	GRID	7.15E-07	1.80E-03	4.28E-02	250459	4089153	11
634	GRID	7.12E-07	9.07E-04	3.37E-02	249709	4087203	11
851	GRID	6.88E-07	1.51E-03	4.56E-02	250459	4089303	11
508	GRID	6.67E-07	9.78E-04	4.88E-02	249259	4087203	11
551	GRID	6.64E-07	1.02E-03	3.69E-02	249409	4087353	11
809	GRID	6.38E-07	1.25E-03	5.53E-02	250309	4089453	11
849	GRID	6.15E-07	1.75E-03	2.86E-02	250459	4089003	11
590	GRID	6.14E-07	2.11E-03	3.68E-02	249559	4086903	11
547	GRID	6.12E-07	3.93E-03	2.53E-02	249409	4086753	11
355	GRID	6.09E-07	1.84E-02	2.13E-02	248659	4088103	11
726	GRID	6.06E-07	1.82E-03	2.92E-02	250009	4089003	11
275	GRID	6.02E-07	1.85E-02	1.98E-02	248359	4088253	11
484	GRID	5.89E-07	1.18E-03	4.53E-02	249109	4089603	11
483	GRID	5.87E-07	1.55E-03	3.55E-02	249109	4089453	11
943	GRID	5.83E-07	2.57E-04	3.10E-02	250759	4090203	11
487	GRID	5.77E-07	6.92E-04	6.34E-02	249109	4090053	11
522	GRID	5.66E-07	1.59E-03	2.63E-02	249259	4089303	11
686	GRID	5.35E-07	1.61E-03	2.55E-02	249859	4089003	11
893	GRID	5.35E-07	1.31E-03	3.77E-02	250609	4089153	11
892	GRID	5.19E-07	1.38E-03	3.52E-02	250609	4089003	11

610	GRID	5.06E-07	9.44E-04	4.43E-02	249559	4089903	11
274	GRID	4.91E-07	1.45E-02	2.56E-02	248359	4088103	11
646	GRID	4.90E-07	1.47E-03	2.43E-02	249709	4089003	11
447	GRID	4.88E-07	5.93E-04	5.84E-02	248959	4090053	11
673	GRID	4.87E-07	8.69E-04	2.60E-02	249859	4087053	11
894	GRID	4.87E-07	1.14E-03	3.90E-02	250609	4089303	11
408	GRID	4.80E-07	5.06E-04	5.54E-02	248809	4090053	11
445	GRID	4.72E-07	9.43E-04	4.16E-02	248959	4089603	11
605	GRID	4.71E-07	1.33E-03	2.56E-02	249559	4089153	11
848	GRID	4.67E-07	1.35E-03	2.31E-02	250459	4088853	11
632	GRID	4.66E-07	1.38E-03	3.08E-02	249709	4086903	11
805	GRID	4.65E-07	1.36E-03	2.49E-02	250309	4088853	11
482	GRID	4.48E-07	1.22E-03	2.63E-02	249109	4089303	11
444	GRID	4.47E-07	1.16E-03	3.28E-02	248959	4089453	11
406	GRID	4.43E-07	5.63E-04	4.69E-02	248809	4089753	11
526	GRID	4.40E-07	7.52E-04	5.27E-02	249259	4090053	11
891	GRID	4.35E-07	1.22E-03	2.39E-02	250609	4088853	11
672	GRID	4.32E-07	1.09E-03	2.70E-02	249859	4086903	11
367	GRID	4.30E-07	4.11E-04	4.49E-02	248659	4089903	11
765	GRID	4.25E-07	1.22E-03	2.55E-02	250159	4088853	11
935	GRID	4.19E-07	1.07E-03	3.06E-02	250759	4089003	11
468	GRID	4.17E-07	1.27E-03	3.27E-02	249109	4087203	11
936	GRID	4.13E-07	1.01E-03	3.36E-02	250759	4089153	11
852	GRID	4.04E-07	8.69E-04	3.68E-02	250459	4089453	11
1065	GRID	4.03E-07	1.80E-04	2.50E-02	251209	4090203	11
509	GRID	4.01E-07	8.97E-04	3.87E-02	249259	4087353	11
563	GRID	3.92E-07	1.08E-03	2.32E-02	249409	4089153	11
1107	GRID	3.88E-07	1.69E-04	2.41E-02	251359	4090053	11
1063	GRID	3.80E-07	1.58E-04	3.39E-02	251209	4089903	11
934	GRID	3.80E-07	1.01E-03	2.70E-02	250759	4088853	11
984	GRID	3.73E-07	1.65E-04	3.84E-02	250909	4090353	11
725	GRID	3.72E-07	1.07E-03	2.40E-02	250009	4088853	11
1106	GRID	3.72E-07	1.52E-04	2.69E-02	251359	4089903	11
937	GRID	3.68E-07	8.55E-04	3.58E-02	250759	4089303	11
443	GRID	3.67E-07	9.95E-04	2.68E-02	248959	4089303	11
649	GRID	3.66E-07	6.58E-04	4.07E-02	249709	4089903	11
405	GRID	3.58E-07	7.51E-04	3.64E-02	248809	4089603	11
404	GRID	3.53E-07	8.83E-04	3.11E-02	248809	4089453	11
521	GRID	3.52E-07	9.34E-04	2.52E-02	249259	4089153	11
569	GRID	3.48E-07	7.09E-04	4.70E-02	249409	4090053	11
546	GRID	3.45E-07	2.16E-03	2.14E-02	249409	4086603	11
890	GRID	3.39E-07	9.54E-04	1.96E-02	250609	4088703	11
978	GRID	3.38E-07	8.30E-04	2.66E-02	250909	4089003	11
366	GRID	3.34E-07	4.84E-04	3.37E-02	248659	4089753	11
368	GRID	3.33E-07	4.05E-04	4.02E-02	248659	4090053	11

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
275	GRID	6.02E-07	1.85E-02	1.98E-02	248359	4088253	11
355	GRID	6.09E-07	1.84E-02	2.13E-02	248659	4088103	11
274	GRID	4.91E-07	1.45E-02	2.56E-02	248359	4088103	11
688	GRID	3.89E-06	1.32E-02	4.52E-02	249859	4089303	11
648	GRID	2.30E-06	7.62E-03	3.62E-02	249709	4089303	11
607	GRID	2.13E-06	6.80E-03	4.04E-02	249559	4089453	11
728	GRID	2.10E-06	6.61E-03	5.22E-02	250009	4089303	11
354	GRID	2.73E-07	6.52E-03	1.83E-02	248659	4087953	11
356	GRID	2.60E-07	6.06E-03	2.15E-02	248659	4088253	11
395	GRID	2.56E-07	5.96E-03	1.98E-02	248809	4088103	11
394	GRID	2.50E-07	5.69E-03	1.96E-02	248809	4087953	11
316	GRID	2.27E-07	4.98E-03	2.26E-02	248509	4087953	11
548	GRID	9.27E-07	4.54E-03	3.67E-02	249409	4086903	11
232	GRID	1.97E-07	4.46E-03	1.47E-02	248209	4088253	11
727	GRID	1.27E-06	4.05E-03	3.66E-02	250009	4089153	11

231	GRID	1.87E-07	4.05E-03	1.84E-02	248209	4088103	11
547	GRID	6.12E-07	3.93E-03	2.53E-02	249409	4086753	11
608	GRID	1.40E-06	3.75E-03	4.44E-02	249559	4089603	11
276	GRID	1.81E-07	3.71E-03	1.64E-02	248359	4088403	11
565	GRID	1.24E-06	3.67E-03	4.10E-02	249409	4089453	11
768	GRID	1.57E-06	3.56E-03	9.26E-02	250159	4089303	11
687	GRID	1.12E-06	3.54E-03	3.51E-02	249859	4089153	11
434	GRID	1.87E-07	3.47E-03	1.94E-02	248959	4087953	11
767	GRID	1.12E-06	3.35E-03	3.90E-02	250159	4089153	11
606	GRID	9.89E-07	3.00E-03	3.00E-02	249559	4089303	11
647	GRID	9.02E-07	2.83E-03	3.06E-02	249709	4089153	11
592	GRID	5.43E-06	2.79E-03	5.53E-02	249559	4087203	11
435	GRID	1.62E-07	2.75E-03	1.94E-02	248959	4088103	11
433	GRID	1.77E-07	2.74E-03	2.01E-02	248959	4087803	11
233	GRID	1.49E-07	2.69E-03	1.50E-02	248209	4088403	11
393	GRID	1.70E-07	2.61E-03	1.82E-02	248809	4087803	11
807	GRID	8.98E-07	2.49E-03	3.76E-02	250309	4089153	11
273	GRID	1.48E-07	2.35E-03	2.31E-02	248359	4087953	11
566	GRID	1.01E-06	2.32E-03	4.36E-02	249409	4089603	11
189	GRID	1.33E-07	2.31E-03	1.32E-02	248059	4088253	11
188	GRID	1.32E-07	2.30E-03	1.48E-02	248059	4088103	11
564	GRID	7.65E-07	2.27E-03	2.77E-02	249409	4089303	11
766	GRID	7.32E-07	2.19E-03	3.21E-02	250159	4089003	11
806	GRID	7.28E-07	2.18E-03	3.13E-02	250309	4089003	11
507	GRID	3.26E-07	2.16E-03	2.84E-02	249259	4086603	11
546	GRID	3.45E-07	2.16E-03	2.14E-02	249409	4086603	11
472	GRID	1.61E-07	2.13E-03	2.03E-02	249109	4087803	11
353	GRID	1.52E-07	2.12E-03	1.76E-02	248659	4087803	11
590	GRID	6.14E-07	2.11E-03	3.68E-02	249559	4086903	11
523	GRID	7.64E-07	2.08E-03	3.39E-02	249259	4089453	11
808	GRID	1.05E-06	2.07E-03	5.22E-02	250309	4089303	11
473	GRID	1.43E-07	2.06E-03	1.90E-02	249109	4087953	11
396	GRID	1.45E-07	1.98E-03	2.07E-02	248809	4088253	11
589	GRID	3.32E-07	1.96E-03	1.94E-02	249559	4086603	11
315	GRID	1.43E-07	1.96E-03	1.76E-02	248509	4087803	11
317	GRID	1.36E-07	1.89E-03	1.97E-02	248509	4088403	11
309	GRID	2.63E-07	1.88E-03	2.01E-02	248509	4086903	11
609	GRID	9.52E-07	1.87E-03	5.29E-02	249559	4089753	11
467	GRID	2.66E-07	1.85E-03	2.81E-02	249109	4086603	11
726	GRID	6.06E-07	1.82E-03	2.92E-02	250009	4089003	11
850	GRID	7.15E-07	1.80E-03	4.28E-02	250459	4089153	11
849	GRID	6.15E-07	1.75E-03	2.86E-02	250459	4089003	11
310	GRID	2.50E-07	1.73E-03	1.81E-02	248509	4087053	11
567	GRID	1.25E-06	1.73E-03	5.82E-02	249409	4089753	11
471	GRID	1.78E-07	1.67E-03	2.21E-02	249109	4087653	11
389	GRID	2.95E-07	1.64E-03	2.39E-02	248809	4087203	11
686	GRID	5.35E-07	1.61E-03	2.55E-02	249859	4089003	11
474	GRID	1.26E-07	1.61E-03	1.93E-02	249109	4088103	11
522	GRID	5.66E-07	1.59E-03	2.63E-02	249259	4089303	11
631	GRID	2.93E-07	1.58E-03	1.90E-02	249709	4086603	11
349	GRID	2.57E-07	1.57E-03	2.15E-02	248659	4087203	11
190	GRID	1.14E-07	1.55E-03	1.29E-02	248059	4088403	11
483	GRID	5.87E-07	1.55E-03	3.55E-02	249109	4089453	11
429	GRID	3.32E-07	1.54E-03	2.77E-02	248959	4087203	11
432	GRID	1.63E-07	1.53E-03	2.01E-02	248959	4087653	11
512	GRID	1.40E-07	1.53E-03	2.24E-02	249259	4087803	11
146	GRID	1.07E-07	1.52E-03	1.13E-02	247909	4088253	11
550	GRID	2.79E-06	1.52E-03	6.59E-02	249409	4087203	11
524	GRID	7.66E-07	1.51E-03	4.74E-02	249259	4089603	11
851	GRID	6.88E-07	1.51E-03	4.56E-02	250459	4089303	11
145	GRID	1.04E-07	1.51E-03	1.25E-02	247909	4088103	11
230	GRID	1.17E-07	1.51E-03	1.73E-02	248209	4087953	11
234	GRID	1.21E-07	1.49E-03	1.46E-02	248209	4088553	11

646	GRID	4.90E-07	1.47E-03	2.43E-02	249709	4089003	11
511	GRID	1.73E-07	1.45E-03	2.53E-02	249259	4087653	11
549	GRID	8.76E-07	1.42E-03	5.99E-02	249409	4087053	11
428	GRID	2.09E-07	1.40E-03	2.38E-02	248959	4086603	11
632	GRID	4.66E-07	1.38E-03	3.08E-02	249709	4086903	11
892	GRID	5.19E-07	1.38E-03	3.52E-02	250609	4089003	11
392	GRID	1.48E-07	1.37E-03	1.94E-02	248809	4087653	11
525	GRID	1.37E-06	1.37E-03	7.46E-02	249259	4089753	11
805	GRID	4.65E-07	1.36E-03	2.49E-02	250309	4088853	11
848	GRID	4.67E-07	1.35E-03	2.31E-02	250459	4088853	11
311	GRID	2.02E-07	1.34E-03	2.02E-02	248509	4087203	11
513	GRID	1.20E-07	1.34E-03	1.89E-02	249259	4087953	11
605	GRID	4.71E-07	1.33E-03	2.56E-02	249559	4089153	11
314	GRID	1.31E-07	1.32E-03	1.83E-02	248509	4087653	11
893	GRID	5.35E-07	1.31E-03	3.77E-02	250609	4089153	11
277	GRID	1.18E-07	1.29E-03	1.58E-02	248359	4088553	11
588	GRID	2.23E-07	1.29E-03	1.66E-02	249559	4086453	11
468	GRID	4.17E-07	1.27E-03	3.27E-02	249109	4087203	11
809	GRID	6.38E-07	1.25E-03	5.53E-02	250309	4089453	11
191	GRID	1.13E-07	1.25E-03	1.36E-02	248059	4088553	11
545	GRID	2.13E-07	1.25E-03	1.78E-02	249409	4086453	11
352	GRID	1.36E-07	1.25E-03	1.83E-02	248659	4087653	11

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
768	GRID	1.57E-06	3.56E-03	9.26E-02	250159	4089303	11
486	GRID	1.52E-06	8.76E-04	8.73E-02	249109	4089903	11
485	GRID	9.28E-07	9.71E-04	7.67E-02	249109	4089753	11
525	GRID	1.37E-06	1.37E-03	7.46E-02	249259	4089753	11
446	GRID	7.33E-07	7.13E-04	6.60E-02	248959	4089753	11
407	GRID	8.93E-07	5.22E-04	6.60E-02	248809	4089903	11
550	GRID	2.79E-06	1.52E-03	6.59E-02	249409	4087203	11
487	GRID	5.77E-07	6.92E-04	6.34E-02	249109	4090053	11
549	GRID	8.76E-07	1.42E-03	5.99E-02	249409	4087053	11
447	GRID	4.88E-07	5.93E-04	5.84E-02	248959	4090053	11
567	GRID	1.25E-06	1.73E-03	5.82E-02	249409	4089753	11
408	GRID	4.80E-07	5.06E-04	5.54E-02	248809	4090053	11
568	GRID	7.17E-07	1.12E-03	5.53E-02	249409	4089903	11
592	GRID	5.43E-06	2.79E-03	5.53E-02	249559	4087203	11
809	GRID	6.38E-07	1.25E-03	5.53E-02	250309	4089453	11
609	GRID	9.52E-07	1.87E-03	5.29E-02	249559	4089753	11
526	GRID	4.40E-07	7.52E-04	5.27E-02	249259	4090053	11
808	GRID	1.05E-06	2.07E-03	5.22E-02	250309	4089303	11
728	GRID	2.10E-06	6.61E-03	5.22E-02	250009	4089303	11
508	GRID	6.67E-07	9.78E-04	4.88E-02	249259	4087203	11
524	GRID	7.66E-07	1.51E-03	4.74E-02	249259	4089603	11
488	GRID	3.11E-07	5.41E-04	4.71E-02	249109	4090203	11
569	GRID	3.48E-07	7.09E-04	4.70E-02	249409	4090053	11
406	GRID	4.43E-07	5.63E-04	4.69E-02	248809	4089753	11
851	GRID	6.88E-07	1.51E-03	4.56E-02	250459	4089303	11
810	GRID	3.18E-07	6.17E-04	4.55E-02	250309	4089603	11
484	GRID	5.89E-07	1.18E-03	4.53E-02	249109	4089603	11
688	GRID	3.89E-06	1.32E-02	4.52E-02	249859	4089303	11
367	GRID	4.30E-07	4.11E-04	4.49E-02	248659	4089903	11
608	GRID	1.40E-06	3.75E-03	4.44E-02	249559	4089603	11
610	GRID	5.06E-07	9.44E-04	4.43E-02	249559	4089903	11
448	GRID	3.21E-07	4.94E-04	4.38E-02	248959	4090203	11
566	GRID	1.01E-06	2.32E-03	4.36E-02	249409	4089603	11
409	GRID	3.10E-07	4.41E-04	4.35E-02	248809	4090203	11
850	GRID	7.15E-07	1.80E-03	4.28E-02	250459	4089153	11
445	GRID	4.72E-07	9.43E-04	4.16E-02	248959	4089603	11
565	GRID	1.24E-06	3.67E-03	4.10E-02	249409	4089453	11
649	GRID	3.66E-07	6.58E-04	4.07E-02	249709	4089903	11

811	GRID	2.18E-07	3.74E-04	4.05E-02	250309	4089753	11
607	GRID	2.13E-06	6.80E-03	4.04E-02	249559	4089453	11
368	GRID	3.33E-07	4.05E-04	4.02E-02	248659	4090053	11
1023	GRID	2.14E-07	2.09E-04	3.96E-02	251059	4089753	11
527	GRID	2.66E-07	5.42E-04	3.92E-02	249259	4090203	11
689	GRID	2.76E-07	4.39E-04	3.91E-02	249859	4089903	11
570	GRID	2.26E-07	4.71E-04	3.91E-02	249409	4090203	11
767	GRID	1.12E-06	3.35E-03	3.90E-02	250159	4089153	11
894	GRID	4.87E-07	1.14E-03	3.90E-02	250609	4089303	11
611	GRID	2.94E-07	6.04E-04	3.89E-02	249559	4090053	11
509	GRID	4.01E-07	8.97E-04	3.87E-02	249259	4087353	11
729	GRID	2.44E-07	3.99E-04	3.87E-02	250009	4089903	11
591	GRID	8.87E-07	1.13E-03	3.87E-02	249559	4087053	11
984	GRID	3.73E-07	1.65E-04	3.84E-02	250909	4090353	11
853	GRID	2.56E-07	5.06E-04	3.78E-02	250459	4089603	11
893	GRID	5.35E-07	1.31E-03	3.77E-02	250609	4089153	11
807	GRID	8.98E-07	2.49E-03	3.76E-02	250309	4089153	11
854	GRID	1.93E-07	3.15E-04	3.75E-02	250459	4089753	11
769	GRID	2.11E-07	3.46E-04	3.75E-02	250159	4089903	11
983	GRID	1.96E-07	2.28E-04	3.74E-02	250909	4089753	11
551	GRID	6.64E-07	1.02E-03	3.69E-02	249409	4087353	11
489	GRID	2.09E-07	4.10E-04	3.69E-02	249109	4090353	11
812	GRID	1.75E-07	2.61E-04	3.68E-02	250309	4089903	11
852	GRID	4.04E-07	8.69E-04	3.68E-02	250459	4089453	11
590	GRID	6.14E-07	2.11E-03	3.68E-02	249559	4086903	11
548	GRID	9.27E-07	4.54E-03	3.67E-02	249409	4086903	11
650	GRID	2.36E-07	4.43E-04	3.66E-02	249709	4090053	11
727	GRID	1.27E-06	4.05E-03	3.66E-02	250009	4089153	11
405	GRID	3.58E-07	7.51E-04	3.64E-02	248809	4089603	11
648	GRID	2.30E-06	7.62E-03	3.62E-02	249709	4089303	11
449	GRID	2.20E-07	4.02E-04	3.60E-02	248959	4090353	11
982	GRID	1.91E-07	3.06E-04	3.59E-02	250909	4089603	11
937	GRID	3.68E-07	8.55E-04	3.58E-02	250759	4089303	11
895	GRID	3.25E-07	7.35E-04	3.57E-02	250609	4089453	11
410	GRID	2.28E-07	3.73E-04	3.56E-02	248809	4090353	11
369	GRID	2.68E-07	3.85E-04	3.55E-02	248659	4090203	11
483	GRID	5.87E-07	1.55E-03	3.55E-02	249109	4089453	11
612	GRID	2.10E-07	4.23E-04	3.53E-02	249559	4090203	11
892	GRID	5.19E-07	1.38E-03	3.52E-02	250609	4089003	11
687	GRID	1.12E-06	3.54E-03	3.51E-02	249859	4089153	11
938	GRID	2.70E-07	5.86E-04	3.40E-02	250759	4089453	11
1063	GRID	3.80E-07	1.58E-04	3.39E-02	251209	4089903	11
523	GRID	7.64E-07	2.08E-03	3.39E-02	249259	4089453	11
855	GRID	1.73E-07	2.41E-04	3.38E-02	250459	4089903	11
981	GRID	2.32E-07	4.70E-04	3.38E-02	250909	4089453	11
366	GRID	3.34E-07	4.84E-04	3.37E-02	248659	4089753	11
690	GRID	1.85E-07	2.88E-04	3.37E-02	249859	4090053	11
634	GRID	7.12E-07	9.07E-04	3.37E-02	249709	4087203	11
936	GRID	4.13E-07	1.01E-03	3.36E-02	250759	4089153	11
898	GRID	1.66E-07	2.02E-04	3.36E-02	250609	4089903	11
327	GRID	2.87E-07	3.44E-04	3.35E-02	248509	4089903	11
571	GRID	1.65E-07	3.42E-04	3.34E-02	249409	4090353	11
633	GRID	8.95E-07	1.04E-03	3.32E-02	249709	4087053	11
941	GRID	1.73E-07	1.74E-04	3.31E-02	250759	4089903	11
730	GRID	1.77E-07	2.78E-04	3.29E-02	250009	4090053	11
651	GRID	1.72E-07	3.12E-04	3.28E-02	249709	4090203	11
593	GRID	2.33E-07	8.90E-04	3.28E-02	249559	4087353	11
444	GRID	4.47E-07	1.16E-03	3.28E-02	248959	4089453	11
897	GRID	1.72E-07	2.70E-04	3.28E-02	250609	4089753	11
468	GRID	4.17E-07	1.27E-03	3.27E-02	249109	4087203	11
896	GRID	2.10E-07	4.10E-04	3.27E-02	250609	4089603	11
939	GRID	1.98E-07	3.63E-04	3.21E-02	250759	4089603	11

FILE: C:\Documents and Settings\vleo\Desktop\Vleo\Gateway 04\Rep_PMI.txt

EXCEPTION REPORT
(there have been no changes or exceptions)

RECEPTORS WITH HIGHEST CANCER RISK

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
592	GRID	4.85E-06	2.46E-03	5.58E-02	249559	4087203	11
688	GRID	3.64E-06	1.24E-02	4.57E-02	249859	4089303	11
550	GRID	2.75E-06	1.47E-03	6.58E-02	249409	4087203	11
648	GRID	2.22E-06	7.39E-03	3.81E-02	249709	4089303	11
607	GRID	2.15E-06	6.91E-03	4.03E-02	249559	4089453	11
728	GRID	1.91E-06	6.01E-03	5.11E-02	250009	4089303	11
486	GRID	1.56E-06	8.42E-04	8.77E-02	249109	4089903	11
768	GRID	1.47E-06	3.32E-03	9.40E-02	250159	4089303	11
608	GRID	1.40E-06	3.85E-03	4.47E-02	249559	4089603	11
525	GRID	1.32E-06	1.35E-03	7.50E-02	249259	4089753	11
565	GRID	1.23E-06	3.69E-03	3.96E-02	249409	4089453	11
567	GRID	1.20E-06	1.77E-03	5.81E-02	249409	4089753	11
727	GRID	1.18E-06	3.75E-03	3.98E-02	250009	4089153	11
566	GRID	1.05E-06	2.52E-03	4.33E-02	249409	4089603	11
687	GRID	1.04E-06	3.31E-03	3.73E-02	249859	4089153	11
767	GRID	1.02E-06	3.04E-03	3.92E-02	250159	4089153	11
808	GRID	9.71E-07	1.90E-03	5.30E-02	250309	4089303	11
609	GRID	9.32E-07	1.88E-03	5.27E-02	249559	4089753	11
407	GRID	9.19E-07	5.91E-04	6.94E-02	248809	4089903	11
485	GRID	9.11E-07	1.08E-03	7.38E-02	249109	4089753	11
647	GRID	9.11E-07	2.90E-03	3.28E-02	249709	4089153	11
548	GRID	8.61E-07	4.05E-03	3.71E-02	249409	4086903	11
606	GRID	8.42E-07	2.51E-03	3.10E-02	249559	4089303	11
807	GRID	8.28E-07	2.28E-03	3.94E-02	250309	4089153	11
549	GRID	8.22E-07	1.23E-03	6.03E-02	249409	4087053	11
591	GRID	8.17E-07	9.52E-04	3.90E-02	249559	4087053	11
524	GRID	8.12E-07	1.75E-03	4.54E-02	249259	4089603	11
1064	GRID	8.12E-07	3.69E-04	2.92E-02	251209	4090053	11
633	GRID	8.01E-07	8.64E-04	3.30E-02	249709	4087053	11
523	GRID	7.55E-07	2.07E-03	3.21E-02	249259	4089453	11
446	GRID	7.23E-07	8.56E-04	6.62E-02	248959	4089753	11
551	GRID	6.79E-07	9.31E-04	3.86E-02	249409	4087353	11
766	GRID	6.74E-07	2.00E-03	3.26E-02	250159	4089003	11
508	GRID	6.71E-07	9.61E-04	5.56E-02	249259	4087203	11
850	GRID	6.69E-07	1.71E-03	4.34E-02	250459	4089153	11
568	GRID	6.68E-07	1.11E-03	5.41E-02	249409	4089903	11
806	GRID	6.55E-07	1.95E-03	3.21E-02	250309	4089003	11
564	GRID	6.50E-07	1.89E-03	2.73E-02	249409	4089303	11
484	GRID	6.35E-07	1.35E-03	4.38E-02	249109	4089603	11
851	GRID	6.30E-07	1.36E-03	4.77E-02	250459	4089303	11
275	GRID	6.25E-07	1.94E-02	2.22E-02	248359	4088253	11
943	GRID	6.02E-07	2.69E-04	3.25E-02	250759	4090203	11
634	GRID	5.94E-07	7.78E-04	3.21E-02	249709	4087203	11
547	GRID	5.86E-07	3.66E-03	2.60E-02	249409	4086753	11
483	GRID	5.85E-07	1.54E-03	3.55E-02	249109	4089453	11
487	GRID	5.83E-07	7.14E-04	6.37E-02	249109	4090053	11
726	GRID	5.82E-07	1.74E-03	2.73E-02	250009	4089003	11
590	GRID	5.62E-07	1.84E-03	3.76E-02	249559	4086903	11
355	GRID	5.60E-07	1.67E-02	2.17E-02	248659	4088103	11
849	GRID	5.60E-07	1.59E-03	2.87E-02	250459	4089003	11
809	GRID	5.48E-07	1.03E-03	5.60E-02	250309	4089453	11
522	GRID	5.15E-07	1.42E-03	2.52E-02	249259	4089303	11
893	GRID	5.09E-07	1.27E-03	3.74E-02	250609	4089153	11
646	GRID	5.01E-07	1.53E-03	2.61E-02	249709	4089003	11
408	GRID	4.95E-07	4.86E-04	5.76E-02	248809	4090053	11

686	GRID	4.92E-07	1.47E-03	2.82E-02	249859	4089003	11
610	GRID	4.91E-07	1.01E-03	4.18E-02	249559	4089903	11
447	GRID	4.90E-07	5.65E-04	5.84E-02	248959	4090053	11
445	GRID	4.89E-07	1.04E-03	4.44E-02	248959	4089603	11
274	GRID	4.74E-07	1.41E-02	2.55E-02	248359	4088103	11
892	GRID	4.74E-07	1.26E-03	3.25E-02	250609	4089003	11
367	GRID	4.59E-07	5.00E-04	4.60E-02	248659	4089903	11
673	GRID	4.54E-07	7.28E-04	2.59E-02	249859	4087053	11
406	GRID	4.53E-07	6.80E-04	4.82E-02	248809	4089753	11
605	GRID	4.52E-07	1.30E-03	2.54E-02	249559	4089153	11
444	GRID	4.45E-07	1.15E-03	3.35E-02	248959	4089453	11
526	GRID	4.41E-07	7.62E-04	5.41E-02	249259	4090053	11
894	GRID	4.35E-07	9.84E-04	3.94E-02	250609	4089303	11
632	GRID	4.30E-07	1.16E-03	3.06E-02	249709	4086903	11
509	GRID	4.27E-07	8.62E-04	3.99E-02	249259	4087353	11
482	GRID	4.25E-07	1.14E-03	2.60E-02	249109	4089303	11
468	GRID	4.24E-07	1.28E-03	3.34E-02	249109	4087203	11
805	GRID	4.21E-07	1.23E-03	2.49E-02	250309	4088853	11
848	GRID	4.18E-07	1.21E-03	2.26E-02	250459	4088853	11
765	GRID	4.07E-07	1.16E-03	2.55E-02	250159	4088853	11
936	GRID	3.97E-07	9.70E-04	3.39E-02	250759	4089153	11
891	GRID	3.96E-07	1.10E-03	2.30E-02	250609	4088853	11
935	GRID	3.93E-07	1.00E-03	3.17E-02	250759	4089003	11
984	GRID	3.83E-07	1.72E-04	4.61E-02	250909	4090353	11
672	GRID	3.82E-07	8.97E-04	2.60E-02	249859	4086903	11
1107	GRID	3.70E-07	1.64E-04	2.45E-02	251359	4090053	11
405	GRID	3.66E-07	8.08E-04	3.67E-02	248809	4089603	11
368	GRID	3.58E-07	4.24E-04	4.34E-02	248659	4090053	11
443	GRID	3.58E-07	9.56E-04	2.65E-02	248959	4089303	11
404	GRID	3.49E-07	8.78E-04	3.33E-02	248809	4089453	11
725	GRID	3.48E-07	9.82E-04	2.51E-02	250009	4088853	11
934	GRID	3.46E-07	9.20E-04	2.65E-02	250759	4088853	11
1063	GRID	3.45E-07	1.34E-04	3.19E-02	251209	4089903	11
649	GRID	3.44E-07	6.61E-04	3.83E-02	249709	4089903	11
852	GRID	3.44E-07	7.04E-04	3.72E-02	250459	4089453	11
429	GRID	3.43E-07	1.54E-03	2.84E-02	248959	4087203	11
366	GRID	3.40E-07	5.72E-04	3.66E-02	248659	4089753	11
563	GRID	3.38E-07	9.22E-04	2.37E-02	249409	4089153	11
546	GRID	3.31E-07	1.99E-03	2.16E-02	249409	4086603	11
569	GRID	3.31E-07	7.03E-04	4.41E-02	249409	4090053	11
448	GRID	3.30E-07	5.12E-04	4.51E-02	248959	4090203	11
645	GRID	3.30E-07	9.83E-04	2.10E-02	249709	4088853	11
1106	GRID	3.26E-07	1.37E-04	2.47E-02	251359	4089903	11
937	GRID	3.25E-07	7.20E-04	3.38E-02	250759	4089303	11
978	GRID	3.24E-07	8.02E-04	2.69E-02	250909	4089003	11

RECEPTORS WITH HIGHEST CHRONIC HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
275	GRID	6.25E-07	1.94E-02	2.22E-02	248359	4088253	11
355	GRID	5.60E-07	1.67E-02	2.17E-02	248659	4088103	11
274	GRID	4.74E-07	1.41E-02	2.55E-02	248359	4088103	11
688	GRID	3.64E-06	1.24E-02	4.57E-02	249859	4089303	11
648	GRID	2.22E-06	7.39E-03	3.81E-02	249709	4089303	11
607	GRID	2.15E-06	6.91E-03	4.03E-02	249559	4089453	11
354	GRID	2.59E-07	6.06E-03	2.04E-02	248659	4087953	11
728	GRID	1.91E-06	6.01E-03	5.11E-02	250009	4089303	11
395	GRID	2.39E-07	5.37E-03	2.14E-02	248809	4088103	11
394	GRID	2.41E-07	5.24E-03	2.16E-02	248809	4087953	11
356	GRID	2.26E-07	4.98E-03	2.09E-02	248659	4088253	11
316	GRID	2.22E-07	4.89E-03	2.28E-02	248509	4087953	11
232	GRID	2.05E-07	4.88E-03	1.67E-02	248209	4088253	11
548	GRID	8.61E-07	4.05E-03	3.71E-02	249409	4086903	11
276	GRID	1.83E-07	3.88E-03	1.91E-02	248359	4088403	11

608	GRID	1.40E-06	3.85E-03	4.47E-02	249559	4089603	11
727	GRID	1.18E-06	3.75E-03	3.98E-02	250009	4089153	11
231	GRID	1.74E-07	3.73E-03	1.90E-02	248209	4088103	11
565	GRID	1.23E-06	3.69E-03	3.96E-02	249409	4089453	11
547	GRID	5.86E-07	3.66E-03	2.60E-02	249409	4086753	11
768	GRID	1.47E-06	3.32E-03	9.40E-02	250159	4089303	11
687	GRID	1.04E-06	3.31E-03	3.73E-02	249859	4089153	11
434	GRID	1.85E-07	3.26E-03	2.29E-02	248959	4087953	11
767	GRID	1.02E-06	3.04E-03	3.92E-02	250159	4089153	11
647	GRID	9.11E-07	2.90E-03	3.28E-02	249709	4089153	11
233	GRID	1.47E-07	2.83E-03	1.68E-02	248209	4088403	11
566	GRID	1.05E-06	2.52E-03	4.33E-02	249409	4089603	11
433	GRID	1.78E-07	2.52E-03	2.27E-02	248959	4087803	11
189	GRID	1.34E-07	2.52E-03	1.58E-02	248059	4088253	11
606	GRID	8.42E-07	2.51E-03	3.10E-02	249559	4089303	11
393	GRID	1.68E-07	2.48E-03	2.13E-02	248809	4087803	11
592	GRID	4.85E-06	2.46E-03	5.58E-02	249559	4087203	11
435	GRID	1.55E-07	2.45E-03	2.24E-02	248959	4088103	11
273	GRID	1.45E-07	2.36E-03	2.13E-02	248359	4087953	11
807	GRID	8.28E-07	2.28E-03	3.94E-02	250309	4089153	11
188	GRID	1.26E-07	2.19E-03	1.72E-02	248059	4088103	11
523	GRID	7.55E-07	2.07E-03	3.21E-02	249259	4089453	11
317	GRID	1.37E-07	2.03E-03	2.11E-02	248509	4088403	11
507	GRID	3.11E-07	2.01E-03	2.85E-02	249259	4086603	11
766	GRID	6.74E-07	2.00E-03	3.26E-02	250159	4089003	11
546	GRID	3.31E-07	1.99E-03	2.16E-02	249409	4086603	11
315	GRID	1.44E-07	1.99E-03	1.91E-02	248509	4087803	11
473	GRID	1.45E-07	1.97E-03	2.00E-02	249109	4087953	11
472	GRID	1.61E-07	1.96E-03	2.17E-02	249109	4087803	11
353	GRID	1.48E-07	1.96E-03	2.03E-02	248659	4087803	11
806	GRID	6.55E-07	1.95E-03	3.21E-02	250309	4089003	11
310	GRID	2.71E-07	1.92E-03	2.05E-02	248509	4087053	11
808	GRID	9.71E-07	1.90E-03	5.30E-02	250309	4089303	11
564	GRID	6.50E-07	1.89E-03	2.73E-02	249409	4089303	11
609	GRID	9.32E-07	1.88E-03	5.27E-02	249559	4089753	11
309	GRID	2.57E-07	1.88E-03	2.40E-02	248509	4086903	11
590	GRID	5.62E-07	1.84E-03	3.76E-02	249559	4086903	11
589	GRID	3.15E-07	1.81E-03	1.95E-02	249559	4086603	11
567	GRID	1.20E-06	1.77E-03	5.81E-02	249409	4089753	11
190	GRID	1.12E-07	1.76E-03	1.55E-02	248059	4088403	11
524	GRID	8.12E-07	1.75E-03	4.54E-02	249259	4089603	11
726	GRID	5.82E-07	1.74E-03	2.73E-02	250009	4089003	11
467	GRID	2.59E-07	1.74E-03	2.67E-02	249109	4086603	11
850	GRID	6.69E-07	1.71E-03	4.34E-02	250459	4089153	11
389	GRID	3.08E-07	1.66E-03	2.58E-02	248809	4087203	11
349	GRID	2.71E-07	1.64E-03	2.35E-02	248659	4087203	11
146	GRID	1.04E-07	1.61E-03	1.47E-02	247909	4088253	11
849	GRID	5.60E-07	1.59E-03	2.87E-02	250459	4089003	11
483	GRID	5.85E-07	1.54E-03	3.55E-02	249109	4089453	11
429	GRID	3.43E-07	1.54E-03	2.84E-02	248959	4087203	11
471	GRID	1.84E-07	1.54E-03	2.47E-02	249109	4087653	11
646	GRID	5.01E-07	1.53E-03	2.61E-02	249709	4089003	11
396	GRID	1.29E-07	1.53E-03	2.11E-02	248809	4088253	11
234	GRID	1.12E-07	1.52E-03	1.61E-02	248209	4088553	11
145	GRID	1.02E-07	1.51E-03	1.63E-02	247909	4088103	11
631	GRID	2.73E-07	1.48E-03	1.84E-02	249709	4086603	11
432	GRID	1.66E-07	1.48E-03	2.14E-02	248959	4087653	11
550	GRID	2.75E-06	1.47E-03	6.58E-02	249409	4087203	11
686	GRID	4.92E-07	1.47E-03	2.82E-02	249859	4089003	11
311	GRID	2.17E-07	1.45E-03	2.29E-02	248509	4087203	11
522	GRID	5.15E-07	1.42E-03	2.52E-02	249259	4089303	11
512	GRID	1.46E-07	1.40E-03	2.20E-02	249259	4087803	11
314	GRID	1.39E-07	1.38E-03	2.04E-02	248509	4087653	11

474	GRID	1.26E-07	1.38E-03	2.19E-02	249109	4088103	11
277	GRID	1.12E-07	1.37E-03	1.77E-02	248359	4088553	11
851	GRID	6.30E-07	1.36E-03	4.77E-02	250459	4089303	11
525	GRID	1.32E-06	1.35E-03	7.50E-02	249259	4089753	11
484	GRID	6.35E-07	1.35E-03	4.38E-02	249109	4089603	11
428	GRID	2.06E-07	1.35E-03	2.57E-02	248959	4086603	11
511	GRID	1.75E-07	1.35E-03	2.43E-02	249259	4087653	11
392	GRID	1.52E-07	1.32E-03	2.18E-02	248809	4087653	11
230	GRID	1.10E-07	1.32E-03	1.76E-02	248209	4087953	11
513	GRID	1.29E-07	1.31E-03	1.91E-02	249259	4087953	11
605	GRID	4.52E-07	1.30E-03	2.54E-02	249559	4089153	11
272	GRID	1.18E-07	1.30E-03	1.95E-02	248359	4087803	11
468	GRID	4.24E-07	1.28E-03	3.34E-02	249109	4087203	11
267	GRID	1.90E-07	1.28E-03	1.84E-02	248359	4087053	11
893	GRID	5.09E-07	1.27E-03	3.74E-02	250609	4089153	11
892	GRID	4.74E-07	1.26E-03	3.25E-02	250609	4089003	11
191	GRID	1.01E-07	1.26E-03	1.59E-02	248059	4088553	11
549	GRID	8.22E-07	1.23E-03	6.03E-02	249409	4087053	11
805	GRID	4.21E-07	1.23E-03	2.49E-02	250309	4088853	11
266	GRID	1.78E-07	1.23E-03	2.08E-02	248359	4086903	11
147	GRID	9.34E-08	1.23E-03	1.59E-02	247909	4088403	11
848	GRID	4.18E-07	1.21E-03	2.26E-02	250459	4088853	11

RECEPTORS WITH HIGHEST ACUTE HI

REC	TYPE	CANCER	CHRONIC	ACUTE	UTME	UTMN	ZONE
768	GRID	1.47E-06	3.32E-03	9.40E-02	250159	4089303	11
486	GRID	1.56E-06	8.42E-04	8.77E-02	249109	4089903	11
525	GRID	1.32E-06	1.35E-03	7.50E-02	249259	4089753	11
485	GRID	9.11E-07	1.08E-03	7.38E-02	249109	4089753	11
407	GRID	9.19E-07	5.91E-04	6.94E-02	248809	4089903	11
446	GRID	7.23E-07	8.56E-04	6.62E-02	248959	4089753	11
550	GRID	2.75E-06	1.47E-03	6.58E-02	249409	4087203	11
487	GRID	5.83E-07	7.14E-04	6.37E-02	249109	4090053	11
549	GRID	8.22E-07	1.23E-03	6.03E-02	249409	4087053	11
447	GRID	4.90E-07	5.65E-04	5.84E-02	248959	4090053	11
567	GRID	1.20E-06	1.77E-03	5.81E-02	249409	4089753	11
408	GRID	4.95E-07	4.86E-04	5.76E-02	248809	4090053	11
809	GRID	5.48E-07	1.03E-03	5.60E-02	250309	4089453	11
592	GRID	4.85E-06	2.46E-03	5.58E-02	249559	4087203	11
508	GRID	6.71E-07	9.61E-04	5.56E-02	249259	4087203	11
568	GRID	6.68E-07	1.11E-03	5.41E-02	249409	4089903	11
526	GRID	4.41E-07	7.62E-04	5.41E-02	249259	4090053	11
808	GRID	9.71E-07	1.90E-03	5.30E-02	250309	4089303	11
609	GRID	9.32E-07	1.88E-03	5.27E-02	249559	4089753	11
728	GRID	1.91E-06	6.01E-03	5.11E-02	250009	4089303	11
406	GRID	4.53E-07	6.80E-04	4.82E-02	248809	4089753	11
851	GRID	6.30E-07	1.36E-03	4.77E-02	250459	4089303	11
488	GRID	3.19E-07	5.58E-04	4.74E-02	249109	4090203	11
409	GRID	3.09E-07	4.25E-04	4.62E-02	248809	4090203	11
984	GRID	3.83E-07	1.72E-04	4.61E-02	250909	4090353	11
367	GRID	4.59E-07	5.00E-04	4.60E-02	248659	4089903	11
688	GRID	3.64E-06	1.24E-02	4.57E-02	249859	4089303	11
524	GRID	8.12E-07	1.75E-03	4.54E-02	249259	4089603	11
448	GRID	3.30E-07	5.12E-04	4.51E-02	248959	4090203	11
608	GRID	1.40E-06	3.85E-03	4.47E-02	249559	4089603	11
445	GRID	4.89E-07	1.04E-03	4.44E-02	248959	4089603	11
569	GRID	3.31E-07	7.03E-04	4.41E-02	249409	4090053	11
484	GRID	6.35E-07	1.35E-03	4.38E-02	249109	4089603	11
850	GRID	6.69E-07	1.71E-03	4.34E-02	250459	4089153	11
368	GRID	3.58E-07	4.24E-04	4.34E-02	248659	4090053	11
566	GRID	1.05E-06	2.52E-03	4.33E-02	249409	4089603	11
610	GRID	4.91E-07	1.01E-03	4.18E-02	249559	4089903	11
810	GRID	2.73E-07	4.95E-04	4.15E-02	250309	4089603	11

811	GRID	1.93E-07	3.45E-04	4.07E-02	250309	4089753	11
607	GRID	2.15E-06	6.91E-03	4.03E-02	249559	4089453	11
509	GRID	4.27E-07	8.62E-04	3.99E-02	249259	4087353	11
727	GRID	1.18E-06	3.75E-03	3.98E-02	250009	4089153	11
565	GRID	1.23E-06	3.69E-03	3.96E-02	249409	4089453	11
807	GRID	8.28E-07	2.28E-03	3.94E-02	250309	4089153	11
894	GRID	4.35E-07	9.84E-04	3.94E-02	250609	4089303	11
767	GRID	1.02E-06	3.04E-03	3.92E-02	250159	4089153	11
591	GRID	8.17E-07	9.52E-04	3.90E-02	249559	4087053	11
570	GRID	2.32E-07	5.01E-04	3.88E-02	249409	4090203	11
551	GRID	6.79E-07	9.31E-04	3.86E-02	249409	4087353	11
410	GRID	2.36E-07	3.89E-04	3.86E-02	248809	4090353	11
611	GRID	2.99E-07	6.56E-04	3.85E-02	249559	4090053	11
1023	GRID	1.86E-07	1.54E-04	3.84E-02	251059	4089753	11
649	GRID	3.44E-07	6.61E-04	3.83E-02	249709	4089903	11
527	GRID	2.62E-07	5.25E-04	3.82E-02	249259	4090203	11
489	GRID	2.09E-07	4.01E-04	3.82E-02	249109	4090353	11
729	GRID	2.23E-07	3.79E-04	3.82E-02	250009	4089903	11
648	GRID	2.22E-06	7.39E-03	3.81E-02	249709	4089303	11
853	GRID	2.16E-07	3.93E-04	3.79E-02	250459	4089603	11
590	GRID	5.62E-07	1.84E-03	3.76E-02	249559	4086903	11
895	GRID	2.70E-07	5.75E-04	3.76E-02	250609	4089453	11
893	GRID	5.09E-07	1.27E-03	3.74E-02	250609	4089153	11
687	GRID	1.04E-06	3.31E-03	3.73E-02	249859	4089153	11
852	GRID	3.44E-07	7.04E-04	3.72E-02	250459	4089453	11
689	GRID	2.70E-07	4.88E-04	3.72E-02	249859	4089903	11
983	GRID	1.78E-07	1.71E-04	3.72E-02	250909	4089753	11
548	GRID	8.61E-07	4.05E-03	3.71E-02	249409	4086903	11
405	GRID	3.66E-07	8.08E-04	3.67E-02	248809	4089603	11
366	GRID	3.40E-07	5.72E-04	3.66E-02	248659	4089753	11
449	GRID	2.27E-07	4.22E-04	3.65E-02	248959	4090353	11
650	GRID	2.24E-07	4.38E-04	3.62E-02	249709	4090053	11
369	GRID	2.66E-07	3.61E-04	3.60E-02	248659	4090203	11
730	GRID	1.72E-07	2.82E-04	3.56E-02	250009	4090053	11
483	GRID	5.85E-07	1.54E-03	3.55E-02	249109	4089453	11
328	GRID	2.73E-07	3.76E-04	3.54E-02	248509	4090053	11
691	GRID	1.45E-07	2.37E-04	3.46E-02	249859	4090203	11
982	GRID	1.68E-07	2.36E-04	3.46E-02	250909	4089603	11
690	GRID	1.90E-07	3.36E-04	3.45E-02	249859	4090053	11
769	GRID	1.78E-07	2.91E-04	3.45E-02	250159	4089903	11
327	GRID	3.13E-07	4.28E-04	3.40E-02	248509	4089903	11
936	GRID	3.97E-07	9.70E-04	3.39E-02	250759	4089153	11
937	GRID	3.25E-07	7.20E-04	3.38E-02	250759	4089303	11
854	GRID	1.66E-07	2.79E-04	3.37E-02	250459	4089753	11
444	GRID	4.45E-07	1.15E-03	3.35E-02	248959	4089453	11
468	GRID	4.24E-07	1.28E-03	3.34E-02	249109	4087203	11
651	GRID	1.66E-07	3.04E-04	3.34E-02	249709	4090203	11
404	GRID	3.49E-07	8.78E-04	3.33E-02	248809	4089453	11
329	GRID	2.20E-07	3.24E-04	3.32E-02	248509	4090203	11
633	GRID	8.01E-07	8.64E-04	3.30E-02	249709	4087053	11
939	GRID	1.65E-07	2.79E-04	3.29E-02	250759	4089603	11
647	GRID	9.11E-07	2.90E-03	3.28E-02	249709	4089153	11
766	GRID	6.74E-07	2.00E-03	3.26E-02	250159	4089003	11
528	GRID	1.83E-07	3.80E-04	3.26E-02	249259	4090353	11
812	GRID	1.39E-07	2.09E-04	3.26E-02	250309	4089903	11
892	GRID	4.74E-07	1.26E-03	3.25E-02	250609	4089003	11
365	GRID	2.92E-07	6.60E-04	3.25E-02	248659	4089603	11
943	GRID	6.02E-07	2.69E-04	3.25E-02	250759	4090203	11
897	GRID	1.49E-07	2.22E-04	3.24E-02	250609	4089753	11
731	GRID	1.38E-07	2.01E-04	3.24E-02	250009	4090203	11
981	GRID	1.98E-07	3.60E-04	3.23E-02	250909	4089453	11
370	GRID	2.08E-07	3.28E-04	3.23E-02	248659	4090353	11