Errata 6

Archer Forward: Campus Preservation and Improvement Plan Final Environmental Impact Report

A. Background and Introduction

In accordance with Section 15082 of the California Environmental Quality Act (CEQA) Guidelines, the City of Los Angeles prepared and circulated a Notice of Preparation for public comment to the State Clearinghouse, Office of Planning and Research, responsible agencies, and other interested parties for a 30-day review period, beginning January 3, 2012. Subsequently, a Draft Environmental Impact Report (EIR) was prepared and, in accordance with CEQA, the Draft EIR was initially circulated for a 46-day public comment period beginning February 27, 2014, and ending April 14, 2014. In response to public comments, the comment period was extended an additional 15 days through April 29, 2014, to provide more time for responsible and trustee agencies, as well as the public, to comment on the Draft EIR. A Final EIR that included responses to comments on the Draft EIR and corrections and additions to the Draft EIR was prepared and distributed in November 2014. An Errata to the Final EIR (referred to as Errata 1) that described further refinements to the Project was also prepared and made available to the public in December 2014.

Subsequent to completion of the Final EIR, the City of Los Angeles Hearing Officer, on behalf of the City Planning Commission, conducted a public hearing on December 8, 2014 at which members of the public had an opportunity to present oral and written testimony regarding the Project. In order to provide the opportunity for additional comments, written comments were also accepted for an additional week after the public hearing. An Errata to the Final EIR (referred to as Errata 2) was then prepared in April 2015 to address commonly raised topics during the public hearing process and provide further clarification on other topics previously raised during the public comment period for the Draft EIR.

On April 23, 2015, the City Planning Commission, as the initial decision-maker, conducted a meeting at which members of the public had an opportunity to present oral and written testimony. Written comments were also received prior to the City Planning Commission meeting. The City Planning Commission found that the Project conforms to

the purpose and intent of the findings required for a conditional use under the Los Angeles Municipal Code and approved the Project with modified conditions at the City Planning Commission meeting. Based on a review of the oral and written testimony presented at the City Planning Commission meeting and the written comments received prior to the meeting, the City determined that the environmental issues raised regarding the EIR have already been addressed. An Errata to the Final EIR (referred to as Errata 3) was prepared in June 2015 following the City Planning Commission meeting and provided additional clarifications. An additional Errata to the Final EIR (referred to as Errata 4) was also prepared in June 2015 to address specific corrections to the Final EIR.

Subsequent to the City Planning Commission, six appeals were submitted regarding the City Planning Commission's decision on the Project. Accordingly, the Planning and Land Use Management (PLUM) Committee conducted a public hearing on June 30, 2015 at which members of the public had an opportunity to present oral and written testimony. In response to the oral and written testimony presented at the PLUM Committee hearing, including the appeals, additional Project refinements were made by the PLUM Committee. An additional Errata to the Final EIR (referred to as Errata 5) was then prepared in July 2015, which described and evaluated the Project refinements made by the PLUM Committee.

This Errata to the Final EIR (referred to herein as Errata 6) addresses specific corrections to the Final EIR and provides additional clarifications regarding the proposed three-year construction schedule for the Project. The Draft EIR, Final EIR, Errata 1, Errata 2, Errata 3, Errata 4, Errata 5, and this Errata 6 comprise the EIR for the Project.

B. Corrections and Additions to the EIR

Additional changes have been made to the EIR based on comments received. Such changes to the EIR are indicated under the appropriate EIR section or appendix heading. Deletions are shown with strikethrough and additions are shown with <u>underline</u>.

1. Draft EIR

IV.B. Air Quality

Draft EIR, Volume 1, Section IV.B, Air Quality, page IV.B-42, revise first paragraph as follows:

Although the SCAQMD CEQA Handbook does not recommend a health risk assessment for short-term construction emissions, an assessment of diesel particulate emissions was conducted to assess this potential risk using the same assumptions used for the localized analysis discussed above. As such, this analysis includes all diesel exhaust emissions associated with on-site heavy equipment and haul trucks during the construction period. The results of this analysis for the construction of the Project yield a maximum incremental increase in offsite individual cancer risk of 9.1-5.7 in a million over the duration of construction and an excess cancer burden of 0.2, where the maximum impact occurs at residential uses directly northeast of the Project Site.¹ The chronic hazard index is approximately 0.01 and is less than the SCAQMD significance threshold of 1.0.2 As the Project would not emit carcinogenic or toxic air contaminants that individually or collectively exceed the maximum individual cancer risk of ten in one million or result in an excess cancer burden of 0.5 or more, Project-related toxic emission impacts from construction activities would be less than significant and no mitigation would be required.

2. Final EIR

Appendix F-2

Final EIR, Volume 6, Appendix F-2, Supplemental Air Quality Worksheets, Appendix F.1-1(d), Updated Construction Diesel Particular Matter (DPM) Exhaust Emissions Health Risk Assessment (HRA), Construction DPM HRA Methodology, page 2, revise paragraph as follows:

¹ Cancer burden is the estimated increase in the occurrence of cancer cases in a population as a result of exposure to TAC emissions. Cancer burden is calculated by multiplying the total population (in the zone of impact) greater than one in a million.

² Please note that diesel particulate matter does not have an acute exposure endpoint and, therefore, the SCAQMD acute index threshold of 1.0 is not applicable.

The Final EIR also incorporates mitigation measures included in the Draft EIR and this Final EIR into the HRA. Specifically, the HRA incorporates Mitigation Measure B-4, which requires the use of Tier 3 construction equipment throughout the duration of proposed construction activities and front-end loaders used for Phase 1-Excavation and Grading which would meet Tier 4 interim standards, as discussed in Response to Comment No. Mitigation Measure B-7 was also guantified in the HRA, which 28-15. minimizes exhaust emissions by requiring trucks and vehicles in loading and unloading queues to have their engines turned off after five minutes when not in use. Based on refined assessment, the HRA demonstrates that health risks from the Project would be 5.0 5.7 in a million for offsite receptors, which is below the applicable significance threshold (10 in one million). For potential onsite student and staff exposure at the School, the maximum mitigated cancer risk is 8.2 9.4 and 4.9 5.6 in a million, respectively, which is below the applicable significance threshold. It is noted that this risk assumes an outdoor exposure for the entire length of construction and does not account for any reductions from the time spent indoors where air quality tends Consistent with the results of the health risk assessment to be better. included in the Draft EIR, potential impacts to sensitive receptors within the Project area (i.e., nearby residences and Archer's students) would be less than significant with incorporation of proposed mitigation measures. The above calculation of student health risk conservatively assumes that student programs would be provided on campus during the summer months of construction. However, given the construction schedule, no extended student activities are planned for the Project Site during the summer months of North Wing Improvements and Phase I Excavation and Grading and onsite student risk would decrease to 7.4 8.5 in a million.

Final EIR, Volume 6, Appendix F-2, Supplemental Air Quality Worksheets, Appendix F.1-1(d), Updated Construction Diesel Particular Matter (DPM) Exhaust Emissions Health Risk Assessment (HRA), replace the Carcinogenic and Non Carcinogenic Risk Calculations with the revised Carcinogenic and Non Carcinogenic Risk Calculations attached to this Errata 6.

Final EIR, Volume 6, Appendix F-2, Supplemental Air Quality Worksheets, Appendix F.1-1(d), Updated Construction Diesel Particular Matter (DPM) Exhaust Emissions Health Risk Assessment (HRA), replace the DPM Construction HRA AERMOD Annual Scalar Concentration Isopleth with the revised DPM Construction HRA AERMOD Annual Scalar Concentration Isopleth attached to this Errata 6.

Final EIR, Volume 6, Appendix F-2, Supplemental Air Quality Worksheets, Appendix F.1-1(d), Updated Construction Diesel Particular Matter (DPM) Exhaust Emissions Health Risk Assessment (HRA), replace the DPM Construction HRA AERMOD Output File with the revised DPM Construction HRA AERMOD Output File attached to this Errata 6.

C. Three-Year Construction Schedule

As detailed in Errata 2, in response to additional comments raised regarding the construction duration after release of the Final EIR, the Project was refined to be implemented within a three-year construction timeframe. The EIR analyzed the potential impacts under an accelerated construction schedule during which Project construction activities could be concurrent and completed within a shorter time period. See pages II-39, IV.B-43, IV.I-71 to IV.I-77, IV.I-120 to IV.I-121, IV.K-96 to IV.K-102, and Appendix C-3 of the Draft EIR. Also see pages I-42, I-83 to I-85, I-97 to I-98 of the Final EIR. Based on the analysis included in Errata 2, an accelerated construction schedule could be implemented within a three-year construction timeframe and would not result in new significant environmental impacts to air quality, noise, and traffic or an increase in the severity of those impacts beyond those set forth in the Draft EIR (refer to pages 9 to 16 and Appendix A of Errata 2).

As discussed in Errata 2, the three-year construction schedule tiers off of the accelerated construction schedule analyzed in the Draft EIR where all phases of the Project would be constructed concurrently. The analysis of the accelerated construction schedule assumed maximum construction activities occurring within the Project Site. The three-year construction schedule assumes no increase in maximum numbers of construction equipment, grading, construction truck and construction worker trips, or construction day within the Draft EIR (see page 10 of Errata 2). Thus, while the intensity of activity on the peak construction days would be similar to those already analyzed in the Draft EIR, the difference between a three-year construction schedule and the schedule evaluated in the Draft EIR for the Project (six-year construction schedule) would be the number of days during which peak construction activities could occur.

As specifically explained in a memorandum prepared by Matt Construction regarding the three-year construction schedule (see *Archer Forward: Campus Preservation and Improvement Plan: 3-Year Construction Schedule* dated August 3, 2015 and attached as Appendix A of this Errata 6), Matt Construction conducted a planning exercise to determine if the Project could be constructed in 36 months.³ Under the three-year construction schedule, Matt Construction expects that the three-year construction schedule would commence with Preconstruction Activities followed by demolition of the existing North Wing and the residences on the Chaparal and Barrington Parcels. During demolition activities, shoring and site preparation of the Project Site would also occur. In addition, excavation and haul would begin. Excavation and haul is anticipated to occur over the summer months when Archer and other schools are not in session and would be of similar duration and construction intensity as the excavation and haul under the six-year construction schedule. During the excavation and haul, the Temporary Classroom Village would be installed and would involve minimal onsite activity because the modular classrooms are prefabricated. Construction of the North Wing Renovation and Phase 1 (underground parking garage, athletic field, and Multipurpose Facility) would then occur. Once Phase 1 is completed Phase 2 (Performing Arts Center and Visual Arts Center) would begin.

As additional overlap of construction activities would occur under a three-year construction schedule as compared to the six-year construction schedule, the maximum construction assumptions regarding construction equipment and construction truck or worker trips provided in the Draft EIR would be experienced on more days throughout the construction period. Nonetheless, as noted above, the three-year construction schedule would not result in an increase in the numbers of construction equipment, amount of grading, numbers of construction truck and construction worker trips, or construction hours of operation above that already evaluated for the peak construction day within the Draft EIR.

As discussed in the memorandum prepared by Matt Construction, while the construction duration has been reduced by expediting the sequencing of construction activities and providing for more overlap of construction activities, the assumptions for the maximum construction activity, and therefore the peak construction impacts, would remain the same as that evaluated in the Draft EIR because the maximum construction activity that can occur on the Project Site on any given day is limited by the Project's location in an infill site in a residential neighborhood that is impacted by traffic and on a Project Site with limited acreage, access points, and laydown areas. The activities that can occur on site on any given day are also limited by the Project's design and required construction

³ The 36 month construction schedule excludes Preconstruction and Post-construction Activities. Examples of Preconstruction Activities may include improvements necessary for fire safety and access, interior abatement of existing buildings prior to demolition, installation of campus electrical service upgrade, and site preparation. Examples of Post-construction Activities may include interior finishing work, exterior painting, and exterior hardscape and landscape improvements.

sequencing. Because of these limitations, the maximum on-site activities cannot be increased.

For instance, as provided in Appendix A, the activities associated with demolition of the existing North Wing and the residences on the Chaparal and Barrington Parcels, excavation and haul of the Project Site, or concrete pours under the three-year schedule would not exceed the maximum construction activity described in the Construction Activity Schedule (CAS) and the Round Trips per Vehicle Classification (RTVC) prepared by Paul W. Speer, Inc. and included in Appendix C-1 and Appendix C-2 of the Draft EIR, respectively, and the Accelerated Construction Memorandum, dated February 6, 2014, prepared by Matt Construction, included as Appendix C-3 of the Draft EIR, for similar activities. Specifically, during excavation and haul, which is when the maximum number of truck trips and the maximum use of heavy-duty construction equipment would occur on a given day, the maximum amount of excavation and haul and associated truck trips and use of equipment that could occur on a given day cannot increase beyond the maximum included in the CAS and RTVC. The six-year construction schedule already compressed the excavation and haul to the quickest time possible given the Project design and site constraints. It is not possible to increase the maximum number of truck trips or the use of heavy-equipment on-site that would occur during the peak day because of constraints such as the size of the Project Site, the time it takes to load a haul truck, the restrictions on haul hours, and traffic in the surrounding area. Therefore, the maximum numbers for construction equipment, grading, and construction truck and construction worker trips are limited and are consistent with those provided in the CAS, the RTVC, and the Accelerated Construction Memorandum. The acceleration of the construction schedule requires that additional days may utilize the maximum assumptions outlined in the CAS, RTVC, and the Accelerated Construction Memorandum. However, the maximum assumptions would not be exceeded on any given day because of the Project's limitations and constraints.

Therefore, because the maximum assumptions for construction activities would not be increased beyond those already analyzed in the Draft EIR, the Draft EIR construction analysis fully analyzed the peak impacts of the three-year construction schedule. While the number of peak days could be greater under the three-year construction schedule than under the six-year construction schedule, the intensity of the peak construction days (and thus the determination of the significance level) is unchanged from what was analyzed in the Draft EIR. The increase in the number of peak construction days would not result in new impacts under CEQA as construction-related impacts are determined based on a peak day. For example, as specified in the *L.A. CEQA Thresholds Guide*, project impacts with regard to air quality are determined based on an evaluation of the emissions from all construction-related activities, including equipment, earth moving, and worker travel, using the worst-case day. Similarly, project impacts with respect to construction traffic are determined based on the A.M. and P.M. peak traffic periods on a single day and construction

City of Los Angeles SCH. No. 2012011001 noise impacts are determined based on maximum construction activities on a single day. Therefore, as explained in detail in Errata 2, the potential impacts of the three-year construction timeframe have been addressed as part of the construction analysis in the Draft EIR and no additional analysis of the three-year construction schedule is required.

D. Effect of Corrections and Additions

This Errata 6 documents additional changes to the EIR. As demonstrated by the following discussion, the modifications to the EIR do not result in new significant impacts and do not warrant recirculation of the EIR.

CEQA Guidelines Section 15088.5 requires that an EIR that has been made available for public review, but not yet certified, be recirculated only if significant new information has been added to the EIR. Pursuant to CEQA Guidelines section 15088.5(c), the entire document need not be circulated if revisions are limited to specific portions of the document. The relevant portions of CEQA Guidelines section 15088.5 read as follows:

- (a) A lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the draft EIR for public review under Section 15087 but before certification. As used in this section, the term "information" can include changes in the project or environmental setting as well as additional data or other information. New information added to an EIR is not "significant" unless the EIR is changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect (including a feasible project alternative) that the project's proponents have declined to implement. "Significant new information" requiring recirculation include, for example, a disclosure showing that:
 - (1) A new significant environmental impact would result from the project or from a new mitigation measure proposed to be implemented.
 - (2) A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.
 - (3) A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the

environmental impacts of the project, but the project's proponents decline to adopt it.

- (4) The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.
- (b) Recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR.

The information contained in this Errata 6 merely clarifies, amplifies, or makes insignificant changes to the information that has already been presented in the EIR. In addition, the modifications to the EIR are not significant because the EIR is not changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the Project. Specifically, with the clarifications provided above regarding air quality, impacts associated with toxic air contaminants would continue to be less than significant. In addition, the clarifications provided regarding the three-year construction schedule confirm the analysis included in Errata 2. Therefore, the clarifications to the EIR would not result in any new significant impacts or a substantial increase in the severity of any impact already identified in the EIR. In addition, the clarifications to the EIR merely clarify, amplify or make insignificant refinements to the information that has already been presented in the EIR. Thus, none of the conditions in Section 15088.5 of the CEQA Guidelines are met, and recirculation is not required.





Memorandum Regarding Three-Year Construction Schedule



Ms. Stephanie Eyestone-Jones President Eyestone Environmental 6701 Center Drive, Suite 900 Los Angeles, CA 90045

RE: Archer Forward: Campus Preservation and Improvement Plan: 3-Year Construction Schedule

Dear Ms. Eyestone-Jones:

The Draft Environmental Impact Report ("EIR") for the Archer Forward: Campus Preservation and Improvement Plan (the "Project") proposed construction for the Project in phases over six years (approximately 75 months) commencing with the North Wing Renovation and followed by Phase 1 and Phase 2. In addition, the Draft EIR included an analysis of an accelerated construction schedule during which Project construction activities could be concurrent and completed within a shorter time period. The six-year construction schedule analysis was based on the Construction Activity Schedule ("CAS") and the Round Trips per Vehicle Classification ("RTVC") prepared by Paul W. Speer, Inc. and included at Appendix C-1 and Appendix C-2 of the Draft EIR, respectively. The accelerated construction scheduled was based on the Accelerated Construction Memorandum, dated February 6, 2014, prepared by Matt Construction, which was included as Appendix C-3 of the Draft EIR. In preparing the Accelerated Construction Memorandum, Matt Construction reviewed the CAS and RTVC.

In response to comments raised regarding the construction duration after release of the Final EIR, the Project was refined to be implemented within a 3-year construction timeframe, which was evaluated in Errata 2 to the EIR. Matt Construction provides clarification regarding construction assumptions for the 3year construction schedule.

<u>3-Year Construction Schedule</u>: In response to comments raised regarding the construction duration after the release of the Final EIR, Archer requested that Matt Construction and a professional construction management firm conduct a planning exercise to determine if the Project could be constructed in 36 months.¹ Matt Construction has determined that the Project can be constructed in 36 months. The construction duration has been reduced by expediting the sequencing of construction activities and providing for more overlap of construction activities.

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¹ The 36 month construction schedule excludes Preconstruction and Post-construction Activities. Examples of Preconstruction Activities may include improvements necessary for fire safety and access, interior abatement of existing buildings prior to demolition, installation of campus electrical service upgrade, and site preparation. Examples of Post-construction Activities may include interior finishing work, exterior painting, and exterior hardscape and landscape improvements.



It is expected that the 3-year construction schedule would commence with Preconstruction Activities followed by demolition of the existing North Wing and the residences

on the Chaparal and Barrington Parcels. During demolition activities shoring and site preparation of the Project site would also occur. Excavation and haul would then begin (which is anticipated to occur over the summer months when Archer and other schools are not in session, which is of similar duration and construction intensity as the excavation and haul under the six-year construction schedule). During the excavation and haul the Temporary Classroom Village would be installed, which would involve minimal onsite activity because the modular classrooms are prefabricated. Construction of the North Wing Renovation and Phase 1 (underground parking garage, athletic field, and Multipurpose Facility) would then occur. Once Phase 1 is completed Phase 2: Performing Arts Center and Visual Arts Center would begin. A graphic depiction of this schedule is included at Exhibit 1 to this memorandum.

Construction Assumptions: The 3-year construction schedule tiers off of the accelerated construction schedule and assumes no increase in maximum numbers of construction equipment, grading, construction truck and construction worker trips, or construction hours of operation that were assumed for the maximum construction activity under the CAS, the RTVC, and in Matt Construction's Accelerated Construction memorandum. While the construction duration has been reduced by expediting the sequencing of construction activities and providing for more overlap of construction activities, the assumptions for the maximum construction activity remain consistent because the maximum construction activity that can occur on the Project site on any given day is limited by the Project's location in an infill site in a residential neighborhood that is impacted by traffic and on a Project site with limited acreage, access points, and laydown areas. The activities that can occur on site on any given day are also limited by the Project's design and required construction sequencing. Because of these limitations, the maximum on-site activities cannot be increased.

For example, the activities associated with demolition of the existing North Wing and the residences on the Chaparal and Barrington Parcels, excavation and haul of the Project site, or concrete pours under the 3-year schedule would not exceed the maximum construction activity described in the CAS, the RTVC, and in Matt Construction's Accelerated Construction memorandum for similar activities. For instance, during excavation and haul, which is when the maximum number of truck trips and the maximum use of heavy-duty construction equipment would occur on a given day, the maximum amount of excavation and haul and associated truck trips and use of equipment that could occur on a given day cannot increase beyond the maximum included in the CAS and RTVC. The six-year construction schedule already compressed the excavation and haul to the quickest time possible given the Project design and site constraints. It is not possible to increase the maximum number of truck trips or the use of heavy-equipment on-site that would

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occur during the peak day because of constraints such as the size of the Project site, the time it takes to load a haul truck, the restrictions on haul hours, and traffic in the surrounding area.

Therefore, the maximum numbers for construction equipment, grading, and construction truck and construction worker trips are limited and are consistent with those provided in the CAS, the RTVC, and Matt Construction's Accelerated Construction memorandum. The acceleration of the construction schedule requires that additional days may utilize the maximum assumptions outlined in the CAS, RTVC, and the Accelerated Construction memorandum; however, the maximum assumptions would not be exceeded on any given day because of the Project's limitations and constraints.

Sincerely,

Manath. Wheat President & K

cc:

Rick Benfield, The Archer School for Girls



Exhibit 1 36-Month Construction Schedule

		2
	1 1 2 3 4 5 6 7 8 9 10 11 12	13 14 15 16 17 18 19
volition of Edisting Structures		
Preparation		
wation and Haul		
porary Classroom Village installation		
erground Parking Garage/Athletic Field Construction		The second second
tipurpose Facility Construction		
th Wing Renovation Construction		
Preparation (for Performing Arts Center and Visual Arts Center)		
watton and Haul (for Performing Arts Center and Visual Arts Center	1	
eming Arts Center and Visual Arts Center Construction		

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Revised Appendix F-2 Worksheets

Revised Carcinogenic and Non Carcinogenic Risk Calculations

Archer School for Girls DPM Risk Calculations Offsite Exposure (Construction)

Archer School for Girls (Off-site Senstive Receptor)

Adult Risk (Unmitigated)

Source	Mass GLC			Weight Contaminant			Carcinogenic Hazard		Noncarcinogenic Hazard / Toxicological Endpoints*			
	(ua/m3)	DPM Emissions	Adjusted C	oncentration	Fraction		URF	CPF (mg/kg/day) ⁻¹	RISK	REL	RfD	RESP
	(µg/m3)	DI M Emissions	Aujusieu Co			()	(µg/m3)	(mg/ng/uuy)		(µg/m3)	(mg/kg/uuy)	
(<i>a</i>)	(I g/s)	(g/s)	$(\mu g/m3)$	(<i>mg/m3</i>)	(<i>d</i>)	(<i>e</i>)	(f)	(g)	(<i>h</i>)	(1)	(j)	(k)
Construction DPM						Diesel Exhaust						
(Construction Duration)	38.04000	0.01356	0.51573	5.2E-04	1.00E+00	Particulate	3.0E-04	1.1E+00	1.01E-05	5.0E+00	1.4E-03	1.2E-02
Total									1.01E-05	3.6E+04	1.0E+01	1.18E-02
	DPM Total								10.1	in a million		
* Key to Toxocological Endpoints	Note: Exposure factors used to calculate contaminant intake									inant intake		
RESP			Respiratory Sy	ystem				365				
CNS/PNS			Central/Periph	neral Nervous S	ystem				4.8			
CV/BL			Cardiovascula	r/Blood System	1		inhalation rate (m3/day)					0.3
KIDN			Kidney						averaging time((cancer) (days)		25550
GI/LV			Gastrointestin	al System/Liver	r				averaging time((noncancer) (days)		14600
REPRO	Reproductive System (e.g., teratogenic and developmental effects)											
EYES	Eye irritation and/or other eff											

Archer School for Girls (Off-site Senstive Receptor) Adult Risk (Mitigated)

Source	Mass GLC		Weight	Contaminant		Carcinogenic Hazard		Noncarcinogenic Hazard / Toxicological Endpoints*				
				Fi			URF	CPF	DISV	REL	RfD	DESD
	(µg/m3)	DPM Emissions	Adjusted Co	oncentration			$(\mu g/m3)^{-1}$	$(mg/kg/day)^{-1}$	KISK	(µg/m3)	(mg/kg/day)	KESI
<i>(a)</i>	(1 g/s)	(g/s)	(µg/m3)	(mg/m3)	(<i>d</i>)	(e)	(f)	(g)	(h)	<i>(i)</i>	(j)	(k)
Construction DPM						Diesel Exhaust						
(Construction Duration)	38.04000	0.00764	0.29050	2.9E-04	1.00E+00	Particulate	3.0E-04	1.1E+00	5.71E-06	5.0E+00	1.4E-03	6.7E-03
Total									5.71E-06	3.6E+04	1.0E+01	6.66E-03
						DPM Total			5.7	in a million		

* Key to Toxocological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g., teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	365
exposure duration (years)	4.8
inhalation rate (m3/day)	0.3
averaging time(cancer) (days)	25550
averaging time(noncancer) (days)	14600
diesel particulate control efficiency	0%

Archer School for Girls DPM Risk Calculations Onsite Student Exposure (Construction)

Archer School for Girls (On-site Senstive Receptor) Student Risk (Unmitigated)

Source	Mass GLC				Weight	Contaminant		Carcinogenic Hazard		Noncarcinogenic Hazard / Toxicological Endpoints*		
					Fraction		URF CPF		RISK	REL	RfD	RESP
	$(\mu g/m3)$	DPM Emissions	Adjusted Co	oncentration			$(\mu g/m3)^{-1}$	(mg/kg/day) ⁻¹	Mon	(µg/m3)	(mg/kg/day)	REDI
<i>(a)</i>	(1 g/s)	(g/s)	$(\mu g/m3)$	(mg/m3)						<i>(i)</i>		
Construction DPM						Diesel Exhaust						
(Construction Duration)	37.600	0.014	0.50976	5.1E-04	1.00E+00	Particulate	3.0E-04	1.1E+00	1.67E-05	5.0E+00	1.4E-03	1.9E-02
Total									1.67E-05	3.6E+04	1.0E+01	1.95E-02
						DPM Total			16.7	in a million		
* Key to Toxocological Endpoints								Note:	Exposure factor	taminant intake		
RESP			Respiratory System						exposure freque	ency (days/year)		365
CNS/PNS			Central/Peripheral 1	Nervous System					exposure durati	on (years)		4.8
CV/BL			Cardiovascular/Blo	od System					m3/day)		0.5	
KIDN			Kidney						averaging time(cancer) (days)		25550
GI/LV			Gastrointestinal Sys	stem/Liver					averaging time(noncancer) (days)		14600
REPRO												
EYES	Eye irritation and/or other effects											

Archer School for Girls (On-site Senstive Receptor) Student Risk (Mitigated)

Source	Mass GLC				Weight	Contaminant		Carcinogenic Hazard		Noncarcinogenic Hazard / Toxicological Endpoints*		
					Fraction		URF	CPF	DISV	REL	RfD	DECD
	(µg/m3)	DPM Emissions	Adjusted Co	oncentration			$(\mu g/m3)^{-1}$	$(mg/kg/day)^{-1}$	KI SK	(µg/m3)	(mg/kg/day)	KLSI
<i>(a)</i>	(1 g/s)	(g/s)	(µg/m3)	(mg/m3)								
Construction DPM						Diesel Exhaust						
(Construction Duration)	37.406	0.008	0.28566	2.9E-04	1.00E+00	Particulate	3.0E-04	1.1E+00	9.36E-06	5.0E+00	1.4E-03	1.1E-02
Total									9.36E-06	3.6E+04	1.0E+01	1.09E-02
						DPM Total			9.4	in a million		

* Key to Toxocological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g., teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	365
exposure duration (years)	4.8
inhalation rate (m3/day)	0.5
averaging time(cancer) (days)	25550
averaging time(noncancer) (days)	14600
diesel particulate control efficiency	0%

DPM Summary Use This One

Archer School for Girls DPM Risk Calculations Onsite Staff Exposure (Construction)

Archer School for Girls (On-site Senstive Receptor)

Adult Risk (Unmitigated)

Source		Mass	Mass GLC			Contaminant		Carcinogenic Hazard		Noncarcinogenic Hazard / Toxicological Endpoints*			
	(())		411 416		Fraction		URF	CPF	RISK	REL	RfD	RESP	
	$(\mu g/m3)$	DPM Emissions	Aajustea Co	oncentration			$(\mu g/m S)$	(mg/kg/aay)		$(\mu g/m3)$	(mg/kg/aay)		
<i>(a)</i>	(1 g/s)	(g/s)	(µg/m3)	(mg/m3)	(<i>d</i>)	(e)	(f)	(g)	(h)	<i>(i)</i>	(j)	(k)	
Construction DPM						Diesel Exhaust							
(Construction Duration)	37.60	0.01356	0.50976	5.1E-04	1.00E+00	Particulate	3.0E-04	1.1E+00	1.00E-05	5.0E+00	1.4E-03	1.2E-02	
Total									1.00E-05	3.6E+04	1.0E+01	1.17E-02	
						DPM Total			10.0	in a million			
* Key to Toxocological Endpoints		Note: Exposure factors used to calc								rs used to calculate contami	inant intake		
RESP	Respiratory System exposure frequency (days/year)										365		
CNS/PNS			Central/Peripheral Ne	ervous System					exposure duration (years)				
CV/BL			Cardiovascular/Blood	l System					inhalation rate ((m3/day)		0.3	
KIDN			Kidney						averaging time((cancer) (days)		25550	
GI/LV		Gastrointestinal System/Liver averaging time(noncancer) (days)							14600				
REPRO		Reproductive System (e.g., teratogenic and developmental effects)											
EYES	Eye irritation and/or other effects												

Archer School for Girls (On-site Senstive Receptor) Adult Risk (Mitigated)

Source	Mass GLC			Weight	Contaminant	Carcinogenic Hazard			Noncarcinogenic Hazard / Toxicological Endpoints*			
					Fraction		URF	CPF	DISV	REL	RfD	DESD
	(µg/m3)	DPM Emissions	Adjusted Co	oncentration			$(\mu g/m3)^{-1}$	$(mg/kg/day)^{-1}$	NISK	(µg/m3)	(mg/kg/day)	KESI
<i>(a)</i>	(1 g/s)	(g/s)	(µg/m3)	(mg/m3)	<i>(d)</i>	(e)	(f)	(g)	(h)	<i>(i)</i>	(j)	(k)
Construction DPM						Diesel Exhaust						
(Construction Duration)	37.60	0.00764	0.28714	2.9E-04	1.00E+00	Particulate	3.0E-04	1.1E+00	5.64E-06	5.0E+00	1.4E-03	6.6E-03
Total									5.64E-06	3.6E+04	1.0E+01	6.58E-03
						DPM Total			5.6	in a million		

* Key to Toxocological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g., teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

DPM Total

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	365
exposure duration (years)	4.8
inhalation rate (m3/day)	0.3
averaging time(cancer) (days)	25550
averaging time(noncancer) (days)	14600
diesel particulate control efficiency	0%

Revised Appendix F-2 Worksheets

Revised DPM Construction HRA AERMOD Annual Scalar Concentration Isopleth



AERMOD View - Lakes Environmental Software

C:\Users\HES\Dropbox\Archer\Air Quality\Construction\Construction HRA\AERMOD\DPM5\DPM5.isc

Revised Appendix F-2 Worksheets

Revised DPM Construction HRA AERMOD Output File

```
*****
** AERMOD Input Produced by:
** AERMOD View Ver. 8.7.0
** Lakes Environmental Software Inc.
** Date: 7/31/2015
** File: C:\Users\HES\Dropbox\Archer\Air Quality\Construction\Construction HRA\AERMOD\DPM5\DPM5.ADI
*****
**
**
*****
** AERMOD Control Pathway
**
++
CO STARTING
 TITLEONE C:\Active\My Dropbox\Dropbox\Archer\Air Quality\Construction\AERMOD\
 MODELOPT DFAULT CONC
 AVERTIME PERIOD
 URBANOPT 9862049 Los_Angeles_County
 POLLUTID PM
 RUNORNOT RUN
 ERRORFIL DPM5.err
CO FINISHED
*****
** AERMOD Source Pathway
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = DPM
** DESCRSRC Diesel Exhaust
** PREFIX
** Length of Side = 5.00
** Configuration = Separated
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 23
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** 364224.849, 3770391.670, 152.22, 5.00, 4.61
** 364271.756, 3770429.681, 152.98, 5.00, 4.61
** 364267.982, 3770449.090, 152.56, 5.00, 4.61
** 364209.483, 3770396.792, 152.15, 5.00, 4.61
** 364162.037, 3770448.012, 153.06, 5.00, 4.61
** 364149.906, 3770435.881, 153.83, 5.00, 4.61
** 364188.995, 3770394.905, 152.23, 5.00, 4.61
** 364173.359, 3770381.156, 152.80, 5.00, 4.61
** 364135.887, 3770424.019, 153.43, 5.00, 4.61
** 364119.443, 3770408.384, 153.08, 5.00, 4.61
** 364157.184, 3770366.868, 152.49, 5.00, 4.61
** 364140.470, 3770347.728, 149.97, 5.00, 4.61
** 364103.538, 3770395.444, 152.27, 5.00, 4.61
** 364084.667, 3770377.652, 151.20, 5.00, 4.61
** 364124.026, 3770332.901, 147.98, 5.00, 4.61
** 364107.042, 3770315.918, 149.32, 5.00, 4.61
** 364066.336, 3770360.668, 152.73, 5.00, 4.61
** 364048.274, 3770342.067, 152.83, 5.00, 4.61
** 364101.920, 3770281.681, 150.43, 5.00, 4.61
** 364150.175, 3770322.927, 150.97, 5.00, 4.61
** 364141.279, 3770336.675, 150.00, 5.00, 4.61
** 364201.396, 3770388.704, 152.43, 5.00, 4.61
 LOCATION L0000001 VOLUME 364288.640 3770324.204 149.57
 LOCATION L0000002
                       VOLUME 364281.827 3770331.410 149.68
 LOCATION L0000003 VOLUME 364275.014 3770338.615 150.00
 LOCATION L0000004
                       VOLUME 364268.201 3770345.821 150.70
 LOCATION L0000005
                       VOLUME 364261.388 3770353.026 151.36
```

LOCATION L0000006 VOLUME 364254.575 3770360.232 151.86

LOCATION L0000007	VOLUME	364247.762 3770367.437 152.32
LOCATION L000008	VOLUME	364240.949 3770374.643 152.54
LOCATION L0000009	VOLUME	364234.136 3770381.848 152.52
LOCATION L0000010	VOLUME	364227.323 3770389.054 152.40
LOCATION L0000011	VOLUME	364229.756 3770395.646 152.15
LOCATION L0000012	VOLUME	364237.461 3770401.890 152.02
LOCATION L0000013	VOLUME	364245.165 3770408.133 152.14
LOCATION L0000014	VOLUME	364252.870 3770414.376 152.37
LOCATION L0000015	VOLUME	364260.574 3770420.619 152.67
LOCATION L0000016	VOLUME	364268.279 3770426.863 152.65
LOCATION L0000017	VOLUME	364270.718 3770435.021 152.48
LOCATION L0000018	VOLUME	364268.825 3770444.755 152.21
LOCATION L0000019	VOLUME	364263 882 3770445 425 152 36
LOCATION L0000020	VOLUME	364256 489 3770438 815 152 66
	VOLUME	364249 096 3770432 206 152 62
	VOLUME	364247.070 3770432.200 132.02
		2642241.703 3770423.377 132.33
	VOLUME	264224.010 0770410.700 102.07
	VOLUME	304220.917 3770405 770 152.00
	VOLUME	304219.525 3770405.769 152.00
LOCATION LOUDUU26	VOLUME	364212.132 3770399.160 152.04
LOCATION LOUDOU27	VOLUME	364205.159 3770401.460 152.00
LOCATION L0000028	VOLUME	364198.420 3770408.735 152.02
LOCATION L0000029	VOLUME	364191.681 3770416.010 152.15
LOCATION L0000030	VOLUME	364184.942 3770423.285 152.39
LOCATION L0000031	VOLUME	364178.203 3770430.560 152.75
LOCATION L0000032	VOLUME	364171.464 3770437.835 153.21
LOCATION L0000033	VOLUME	364164.725 3770445.110 153.68
LOCATION L0000034	VOLUME	364157.822 3770443.798 153.87
LOCATION L0000035	VOLUME	364150.810 3770436.786 153.87
LOCATION L0000036	VOLUME	364155.867 3770429.632 153.45
LOCATION L0000037	VOLUME	364162,712 3770422,456 152,93
LOCATION L0000038	VOLUME	364169.557 3770415.281 152.52
LOCATION L0000039	VOLUME	364176 402 3770408 106 152 21
LOCATION L0000040	VOLUME	364183 247 3770400 930 152 02
	VOLUME	364187 802 3770393 856 152 33
	VOLUME	364180 355 3770387 307 152 57
	VOLUME	364172 963 3770381 609 152 67
	VOLUME	264166 427 2770200 075 152 20
	VOLUME	24 41E0 010 2770204 E40 1E2 04
	VOLUME	264152 202 2770404 006 152 21
	VOLUME	304133.303 3770404.000 132.21
	VOLUME	264140.007 3770411.472 102.00
	VOLUME	26/122 502 2770/21 027 152 67
	VOLUME	244124 404 277041E 004 1E2 4E
	VOLUME	304120.400 3770415.004 153.45
	VOLUME	304119.000 3770408.100 103.22
LOCATION LOUDU052	VOLUME	364126.321 3770400.818 152.51
LOCATION LOODUD53	VOLUME	364132.992 3770393.480 151.91
LOCATION LOOD0054	VOLUME	364139.662 3770386.143 151.54
LOCATION LO000055	VOLUME	364146.333 3770378.805 151.59
LOCATION L0000056	VOLUME	364153.003 3770371.468 151.87
LOCATION L0000057	VOLUME	364154.750 3770364.081 151.88
LOCATION L0000058	VOLUME	364148.227 3770356.611 151.22
LOCATION L0000059	VOLUME	364141.705 3770349.142 150.46
LOCATION L0000060	VOLUME	364135.549 3770354.086 150.16
LOCATION L0000061	VOLUME	364129.480 3770361.928 150.19
LOCATION L0000062	VOLUME	364123.410 3770369.770 150.43
LOCATION L0000063	VOLUME	364117.340 3770377.611 150.88
LOCATION L0000064	VOLUME	364111.271 3770385.453 151.54
LOCATION L0000065	VOLUME	364105.201 3770393.295 152.49
LOCATION L0000066	VOLUME	364098.300 3770390.505 152.44
LOCATION L0000067	VOLUME	364091.084 3770383.702 152.00
LOCATION L0000068	VOLUME	364085.391 3770376.828 151.50
LOCATION L0000069	VOLUME	364091 940 3770369 382 150 55
LOCATION 1 0000070	VOLUME	364098.489 3770361 936 149 68
LOCATION L0000071	VOLUME	364105 038 3770354 490 148 70
LOCATION L 0000077	VOLUME	364111 587 3770347 043 147 84
LOCATION L0000072	VOLUME	364118 137 3770339 597 147 83
	VOLUME	364123 319 3770332 105 1/8 42
	VOLUME	364116 307 3770325 183 149.02
	VOLUME	364100 205 3770318 171 149 40
	VOLUME	364102 514 2770220 906 149 41
	VOLUME	364/005 8/1 3770320.070 140.01
		264020 160 2770225 E47 140 50
		304007.100 3770333.307 140.30 264003 405 2770343 003 140 04
	VOLUME	304002.473 3770362.903 149.04
	VOLUIVIE	304075.823 3770350.238 150.10
	VOLUME	304009.100 3770357.574 151.26
		304007 341 3770356 554 151 87

LOCATION L0000084	VOLUME	36405	5 433 37	70349	440 152 0	9
	VOLUME	364048	3 525 37	70342	326 152 20	n
	VOLUME	36405/	1 620 37	70342.	073 151 7	1
	VOLUME	304034	1 20/ 27	70334.	923 101.7 FOO 1F1 0	1
LUCATION LUUUU087	VOLUME	30400	1.200 37	10321.	509 151.30	J
LOCATION L0000088	VOLUME	36406	1.193.31	//0320.	096 150.8	3
LOCATION L0000089	VOLUME	364074	4.379 37	70312.	682 150.4	7
LOCATION L0000090	VOLUME	364080	0.965 37	70305.	269 150.13	3
LOCATION L0000091	VOLUME	36408	7.551 37	70297.	855 150.1	5
LOCATION L0000092	VOLUME	364094	1 1 3 7 3 7	70290	442 150 18	R
	VOLUME	36/10/	1 723 37	70290.	020 150 2	1
	VOLUME	2/ 4100		70203.	027130.2	י ר
LOCATION LOOD0094	VOLUME	304100	5.088 31	70280.	953 149.8	5
LOCATION LOUDOU95	VOLUME	364113	0.626 31	//0293.	396 149.74	4
LOCATION L0000096	VOLUME	364123	3.164 3	70299.	839 149.78	3
LOCATION L0000097	VOLUME	364130	0.702 37	70306.	282 149.8 [.]	1
LOCATION L0000098	VOLUME	364138	3.240 37	70312.	725 149.93	3
LOCATION L0000099	VOLUME	364145	5.778.37	70319.	169 150.44	4
	VOLUME	36414	7 930 37	70326	396 150 6	7
	VOLUME	36/11/	542 27	70320.	777 150.0	́л
	VOLUME	304142	2.040.07	70334.	/ 22 1JU.24	+ 1
	VOLUME	30414	1.018 31	70341.	042 100.74	4
LOCATION LO000103	VOLUME	364154	1.516 3	/0348.	131 151.5	9
LOCATION L0000104	VOLUME	364162	2.014 37	70354.	621 152.3	3
LOCATION L0000105	VOLUME	364169	9.512 37	70361.	110 152.9	6
LOCATION L0000106	VOLUME	36417	7.011 37	70367.	600 153.2	3
LOCATION L0000107	VOLUME	364184	1 509 37	70374	089 153 2	8
	VOLUME	36/10	2 007 37	70380	570 153 1	ົ
	VOLUME	26/100		70300.	040 150 0	<u>د</u>
		30419	7.000 31	10307.	000 102.00	J
End of LINE VOLUME	source ID =	DPIVI				
** Source Parameters **						
** LINE VOLUME Source	ID = DPM					
SRCPARAM L0000001	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000002	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000003	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000004	0.009174	3119	5.00	4 61	1 16	
SPCPARAM L0000005	0.00017/	2110	5.00	1.01	1.10	
	0.007174	0117 0110	5.00 E 00	4.01	1.10	
SRCPARAIN LUUUUUU0	0.009174	3119	5.00	4.01	1.10	
SRCPARAM L0000007	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000008	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000009	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000010	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000011	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000012	0.009174	3119	5.00	4 61	1 16	
SPCPARAM L0000012	0.00017/	2110	5.00	1.01	1.10	
	0.007174	2110	5.00	4.01	1.10	
	0.009174	0117 0110	5.00	4.01	1.10	
SRCPARAIN LUUUUU15	0.009174	3119	5.00	4.01	1.10	
SRCPARAM L0000016	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000017	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000018	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000019	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000020	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000021	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000022	0.009174	3119	5.00	4 61	1 16	
SPCPARAM L0000023	0.000174	2110	5.00	1.61	1 16	
SPCDADAM L0000024	0.000174	2110	5.00	1.61	1.10	
	0.009174	0117 0110	5.00	4.01	1.10	
SRUPARAIN LUUUUU23	0.009174	3119	5.00	4.01	1.10	
SRCPARAM L0000026	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000027	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000028	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000029	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000030	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000031	0 009174	3119	5.00	4 61	1 16	
SPCPARAM L0000032	0.000174	2110	5.00	1.61	1 16	
	0.007174	2110	5.00	4.01	1.10	
SRUPARAIN LUUUUUSS	0.009174	3119	5.00	4.01	1.10	
SRCPARAM L0000034	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000035	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000036	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000037	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000038	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000039	0.009174	3119	5.00	4.61	1.16	
SRCPARAM L0000040	0.009174	3119	5.00	4 61	1 16	
SRCPARAM L0000040	0.007174	3110	5.00	1 61	1 16	
SPCDADAM L0000041	0.007174	2110	5.00	1 61	1 1 4	
	0.007174	0117 0110	5.00	4.01	1.10	
SKUPAKAWI LUUUUU43	0.0091/4	3119	5.00	4.01	1.10	
SRCPARAM L0000044	0.009174	3119	5.00	4.61	1.16	
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SRCPARAM L0000048	0.009174	3119	5.00	4.61	1.16	

SRCPARAM L0000049	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000050	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000051	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000052	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000053	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000054	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000055	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000056	0 0091743119	5.00	4 61	1 16
SRCPARAM L0000057	0 0091743119	5.00	4 61	1 16
SRCPARAM L0000058	0.0091743119	5.00	4 61	1 16
SRCPARAM L0000059	0.0091743119	5.00	4 61	1 16
SRCPARAM L0000060	0.0091743119	5.00	4.61	1.10
SPCPARAM L0000061	0.0071743117	5.00	1.61	1.10
	0.0071743117	5.00	4.01	1.10
SPCDADAM L000002	0.0071743117	5.00	4.01	1.10
SDCDADAM L0000005	0.0071743117	5.00	4.01	1.10
SPCPARAIN L000004	0.0091743119	5.00 E 00	4.01	1.10
	0.0091743119	00.C	4.01	1.10
SRCPARAM L0000066	0.0091743119	5.00	4.61	1.10
SRCPARAM L000006/	0.0091743119	5.00	4.61	1.10
SRCPARAM L0000068	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000069	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000070	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000071	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000072	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000073	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000074	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000075	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000076	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000077	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000078	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000079	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000080	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000081	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000082	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000083	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000084	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000085	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000086	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000087	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000088	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000089	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000090	0.0091743119	5.00	4.61	1.16
SRCPARAM L0000091	0 0091743119	5.00	4 61	1 16
SRCPARAM L0000092	0 0091743119	5.00	4 61	1 16
SRCPARAM L0000093	0.0091743119	5.00	4 61	1 16
SRCPARAM L0000094	0.0091743119	5.00	4.61	1.10
SRCPARAM L0000074	0.0091743119	5.00	4.61	1.10
SRCPARAM L0000075	0.0071743117	5.00	4.01	1.10
	0.0071743117	5.00	4.01	1.10
	0.0071743117	5.00	4.01	1.10
	0.0071743117	5.00	4.01	1.10
SDCDADAM L0000077	0.0071743117	5.00	4.01	1.10
SPCPARAIN L0000100	0.0091743119	5.00	4.01	1.10
	0.0071743119	5.00	4.01	1.10
	0.0071/43119	5.00	4.01	1.10
SRUPARAIVI LUUUU 103	0.0091/43119	0.00	4.01 1/21	1.10
	0.0091743119	5.UU	4.01	1.10
SRUPARAIVI LUUUU 105	0.0091743119	5.00 E.00	4.01	1.10
SKUPAKAM LUUUU106	0.0091743119	5.00	4.61	1.10
SKUPAKAM LUUUU107	0.0091743119	5.00	4.61	1.10
SKCPARAM LOOD 108	0.0091743119	5.00	4.61	1.10
3KCPAKAIVI LUUUU 109	0.0091/43119	00.C	4.01	1.10

URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)" ** Variable Emission Scenario: "Scenario 2"

EMISFACT L0000001	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000001	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000001	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000002	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000002	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000003	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0

EMISFACT	L0000003	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000004	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000004	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000004	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000004	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000005	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000005	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000005	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000005	
ENISPACI		
ENISPACE	L0000006	
EMISEACT		
EMISFACT		
EMISFACT	0000007	
EMISEACT	0000000	HROEDY 0.0.0.0.1.0.1.0.1.0.1.0
EMISFACT	0000000	HROEDY 101010100000
EMISFACT	0000008	
EMISEACT	0000009	HROEDY 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FMISFACT	L0000009	HROEDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000009	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000009	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000010	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000010	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000010	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000010	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000011	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000011	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000011	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000011	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000012	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
ENISPACI	L0000012	
ENISPACT	L0000012	
	L0000012	
EMISFACT		
EMISFACT	0000013	HROEDY 1 0 1 0 1 0 1 0 0 0 0
EMISFACT	L0000013	HROEDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000014	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000014	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000014	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000014	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000015	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000015	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000015	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000015	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000016	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
ENISPACE	L0000016	
	L0000016	
	L0000010	
EMISEACT		
EMISFACT		HROEDY 1010101010000
EMISFACT		
EMISFACT	0000018	
EMISFACT	L0000018	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000018	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000018	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000019	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000019	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000019	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000019	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000020	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	LUUUU0020	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	LUUUUUU20	HRUFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	LUUUUUU2U	
EMISEACT		
EMISEACT		
EMISFACT	L0000022	HROFDY 0.0 0.0 1 0 1 0 1 0 1 0 1 0
EMISFACT	L0000022	HROFDY 1.0 1.0 1.0 1.0 0.0 0
EMISFACT	L0000022	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0

EMISFACT L0000023	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000023	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000023	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000024	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000024	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000025	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000025	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000026	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000026	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000027	HROFDY 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000027	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000028	HROFDY 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000028	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT LOODOO31	
EMISEACT LOODOO31	HROEDY 1010101010000
EMISEACT L0000037	
EMISEACT L0000032	HROEDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISEACT L0000032	HROEDY 101010100000
EMISEACT L0000032	
EMISEACT L 0000033	
EMISFACT L0000033	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000033	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000033	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000034	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000034	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000035	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000035	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000036	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000036	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000037	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000037	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000038	
EMISFACT L0000038	
EMISEACT LOUDUU39	
EMISEACT LOUDUUSY	
	HROFDAUUUUUUUUUUUU
EMISFACT L0000040	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1 0 1 0 1 0 1 0 0 0 0 0
EMISFACT L0000040 EMISFACT L0000040	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0 0 0 0 0 0 0 0 0 0 0
EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000041	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000041	HROFDY 0.0 0.0 1.0 1.0 1.0 0.0 HROFDY 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000041 EMISFACT L0000041 EMISFACT L0000041	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000040 EMISFACT L0000041 EMISFACT L0000041 EMISFACT L0000041	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0

EMISFACT L0000042	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000042	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000042	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000043	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000043	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT L0000044	HROEDY 0 0 0 0 1 0 1 0 1 0 1 0
EMISEACT L0000044	HROEDY 101010100000
EMISEACT L0000044	
EMISEACT L0000045	
EMISEACT L0000045	
ENIISPACT LOODOO46	HRUFDY 1.0 1.0 1.0 1.0 0.0 0.0
ENISPACT LOUDOU40	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000047	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000047	HRUFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048	HRUFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000048	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000048	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000049	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000049	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000050	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000050	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000051	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000051	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000052	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000052	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000053	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000053	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000054	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000054	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000055	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000055	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000056	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000056	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000057	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000057	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
ENISPACT LOODOUS8	
EIVIISFACT LOODOD58	
EIVIISFAUT LOODOOS	
EIVIISFACT LOODODS9	
EMISEACT LOUDUDY	
ENISPACT LOUUUUOU	
LIVII JI AGT LUUUUUUI	

EMISFACT	L0000061	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000061	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000062	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000062	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000062	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000062	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000063	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000063	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000063	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000063	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000064	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000064	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000064	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000064	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000065	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000065	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000065	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000065	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000066	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000066	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000066	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000066	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000067	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000067	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000067	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000067	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000068	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000068	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000068	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000068	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000069	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000069	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000069	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000069	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000070	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000070	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000070	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000070	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000071	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000071	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000071	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000071	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000072	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000072	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000072	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000072	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000073	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000073	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000073	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000073	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000074	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000074	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000074	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000074	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000075	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000075	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000075	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000075	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000076	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000076	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000076	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000076	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000077	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	LUUUUU077	HRUEDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000077	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000077	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT		
EMISFACT		HRUEDY 0.0 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT		
ENISPACI		

EMISFACT	L0000080	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000081	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000081	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000081	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000081	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000082	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000082	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000082	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000082	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000083	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000083	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000083	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000083	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000084	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000084	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000084	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000084	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000085	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000085	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000085	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000085	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000086	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000086	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISEACT	0000086	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISEACT	0000086	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000087	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000087	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISEACT	0000087	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISEACT	0000087	HROEDY 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
EMISEACT	0000088	HROFDY 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
EMISEACT	0000088	HROFDY 0 0 0 0 1 0 1 0 1 0 1 0 1 0
EMISEACT	0000088	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISEACT	0000088	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000089	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000089	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISEACT	0000089	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISEACT	0000089	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	1 0000090	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000090	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISEACT	0000090	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISEACT	0000090	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISEACT	0000091	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000091	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000091	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000091	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000092	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000092	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000092	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000092	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000093	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000093	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000093	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000093	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000094	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000094	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT	L0000094	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT	L0000094	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000095	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000095	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT		
EMISEACT	LUUUUU95	HRUFDY 1.0 1.0 1.0 1.0 0.0 0.0
LIVII JI ACT	L0000095 L0000095	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000095 L0000095 L0000096	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT	L0000095 L0000095 L0000096 L0000096	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096 L0000096	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096 L0000096 L0000097	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096 L0000097 L0000097	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000095 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000097	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 1.0 1.0 1.0 1.0 0.0 HROFDY 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000097 L0000098	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	LU000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000098 L0000098 L0000098	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 1.0 1.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 1.0 1.0 1.0 1.0 1.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000098 L0000098 L0000098	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000098 L0000098 L0000098 L0000098	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000098 L0000098 L0000098 L0000098 L0000099 L0000099	HROFDY 1.0 1.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 1.0 1.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0
EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT EMISFACT	L0000095 L0000096 L0000096 L0000096 L0000096 L0000097 L0000097 L0000097 L0000097 L0000098 L0000098 L0000098 L0000098 L0000099 L0000099 L0000099	HROFDY 1.0 1.0 1.0 1.0 1.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0 HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 HROFDY 0.0 0.0 1.0 1.0 1.0 1.0

EMISFACT L0000100	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000100	HROEDY 0 0 0 0 1 0 1 0 1 0 1 0
EMISEACT L0000100	HROEDY 10101010000
EMISEACT L0000100	
EMISEACT L0000101	
EMISEACT L0000101	
EMISEACT LOOOD101	
EMISEACT LOODOID1	
ENISPACT LOODID2	
ENISPACT LOODUTU2	
EMISFACT LOODUTU3	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000103	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000103	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000103	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000104	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000104	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000104	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000104	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000105	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000105	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000105	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000105	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000106	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000106	HROFDY 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000106	HROFDY 1.0 1.0 1.0 1.0 0.0 0.0
EMISEACT L0000106	
EMISFACT L0000107	
EMISEACT L0000107	
EMISEACT L0000107	
EMISFACT L0000107	
EMISEACT LOODOID8	
EMISEACT L0000108	
EMISFACT LUUUUTU9	HRUFDY 0.0 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP DPM	L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP DPM	L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP DPM	L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP DPM	L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP DPM	L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP DPM	L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP DPM	L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP DPM	L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP DPM	L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP DPM	L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
SRCGROUP DPM	L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
SRCGROUP DPM	L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
SRCGROUP DPM	L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
SRCGROUP DPM	L0000079 L0000080 L0000081 L0000082 L0000083 L0000084
SRCGROUP DPM	L0000085 L0000086 L0000087 L0000088 L0000089 L0000090
SRCGROUP DPM	L0000091 L0000092 L0000093 L0000094 L0000095 L0000096
SRCGROUP DPM	L0000097 L0000098 L0000099 L0000100 L0000101 L0000102
SRCGROUP DPM	L0000103 L0000104 L0000105 L0000106 L0000107 L0000108
SRCGROUP DPM	L0000109
SO FINISHED	
**	

** AERMOD Receptor Pathway

** **

RE STARTING INCLUDED DPM5.rou RE FINISHED

** AERMOD Meteorology Pathway

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ME STARTING SURFFILE Met\wsla7.sfc

PROFFILE Met\wsla7.pfl SURFDATA 0 2005 UAIRDATA 3190 2005 SITEDATA 99999 2005 PROFBASE 97.0 METERS ME FINISHED ***** ** AERMOD Output Pathway ** ** OU STARTING * Auto-Generated Plotfiles PLOTFILE PERIOD DPM DPM5.AD\PE00G001.PLT 31 SUMMFILE DPM5.sum OU FINISHED *** Message Summary For AERMOD Model Setup *** ----- Summary of Total Messages ------0 Fatal Error Message(s) A Total of 1 Warning Message(s) A Total of A Total of 0 Informational Message(s) ******** FATAL ERROR MESSAGES ******** *** NONE *** ******** WARNING MESSAGES ******** ME W396 776 MEOPEN: Met data from outdated version of AERMET, version: 12345 **** *** SETUP Finishes Successfully *** ***** **** AERMOD - VERSION 14134 *** *** C:\Active\My Dropbox\Dropbox\Archer\Air Quality\Construction\AERMOD\ ***
*** AERMET - VERSION 12345 *** ***
22:14:29 07/31/15 PAGE 1 **MODELOPTs: RegDFAULT CONC ELEV *** MODEL SETUP OPTIONS SUMMARY *** **Model Is Setup For Calculation of Average CONCentration Values. -- DEPOSITION LOGIC --**NO GAS DEPOSITION Data Provided. **NO PARTICLE DEPOSITION Data Provided. **Model Uses NO DRY DEPLETION. DRYDPLT = F **Model Uses NO WET DEPLETION. WETDPLT = F **Model Uses URBAN Dispersion Algorithm for the SBL for 109 Source(s), for Total of 1 Urban Area(s): Urban Population = 9862049.0; Urban Roughness Length = 1.000 m **Model Uses Regulatory DEFAULT Options: 1. Stack-tip Downwash. 2. Model Accounts for ELEVated Terrain Effects. 3. Use Calms Processing Routine. 4. Use Missing Data Processing Routine. 5. No Exponential Decay for URBAN/Non-SO2. 6. Urban Roughness Length of 1.0 Meter Assumed. **Model Assumes No FLAGPOLE Receptor Heights. **The User Specified a Pollutant Type of: PM **Model Calculates PERIOD Averages Only **This Run Includes: 109 Source(s); 1 Source Group(s); and 655 Receptor(s) **Model Set To Continue RUNning After the Setup Testing

The AERMET Input Meteorological Data Version Date: 12345 **Output Options Selected: Model Outputs Tables of PERIOD Averages by Receptor Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword) Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword) **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours m for Missing Hours b for Both Calm and Missing Hours **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 97.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07 Output Units = MICROGRAMS/M3 **Approximate Storage Requirements of Model = 3.6 MB of RAM. **Detailed Error/Message File: DPM5.err **File for Summary of Results: DPM5.sum ***** AERMOD - VERSION 14134 *** *** C:\Active\My Dropbox\Dropbox\Archer\Air Quality\Construction\AERMOD\ *** 07/31/15 *** AERMET - VERSION 12345 *** *** 22:14:29 PAGE 2 *** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS *** ** CONC OF PM IN MICROGRAMS/M**3 NETWORK AVERAGE CONC GROUP ID RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID 1ST HIGHEST VALUE IS 38.03862 AT (364212.79, 3770413.37, 152.00, 152.00, 0.00) DC DPM 2ND HIGHEST VALUE IS 37.60448 AT (364211.70, 3770386.27, 152.74, 152.74, 0.00) DC 37.27411 AT (364206.16, 3770420.84, 152.00, 152.00, 0.00) DC 36.30172 AT (364215.97, 3770389.67, 152.51, 152.51, 0.00) DC 3RD HIGHEST VALUE IS 4TH HIGHEST VALUE IS 5TH HIGHEST VALUE IS 35.39585 AT (364207.03, 3770423.09, 152.00, 152.00, 0.00) DC 6TH HIGHEST VALUE IS 35.17993 AT (364221.53, 3770422.62, 152.00, 152.00, 0.00) DC 34.89892 AT (364210.04, 3770382.33, 152.98, 152.98, 0.00) DC 7TH HIGHEST VALUE IS 8TH HIGHEST VALUE IS 34.73433 AT (364160.69, 3770339.10, 152.05, 153.00, 0.00) DC 9TH HIGHEST VALUE IS 34.37075 AT (364199.53, 3770428.30, 152.01, 152.01, 0.00) DC 10TH HIGHEST VALUE IS 34.21099 AT (364219.74, 3770419.34, 152.00, 152.00, 0.00) DC *** RECEPTOR TYPES: GC = GRIDCART GP = GRIDPOLR DC = DISCCART DP = DISCPOLR " " *** AERMOD - VERSION 14134 *** *** C:\Active\My Dropbox\Dropbox\Archer\Air Quality\Construction\AERMOD\ *** 07/31/15 *** AERMET - VERSION 12345 *** *** 22:14:29 PAGE 3 **MODELOPTs: RegDFAULT CONC ELEV *** Message Summary : AERMOD Model Execution *** ----- Summary of Total Messages ------A Total of 0 Fatal Error Message(s) A Total of 5 Warning Message(s) A Total of 775 Informational Message(s) A Total of 43824 Hours Were Processed A Total of 42 Calm Hours Identified 733 Missing Hours Identified (1.67 Percent) A Total of ******** FATAL ERROR MESSAGES ******* *** NONE *** ******** WARNING MESSAGES ******** MEOPEN: Met data from outdated version of AERMET, version: MF W396 776 12345 08010101 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap MX W450 35065 CHKDAT: Record Out of Sequence in Meteorological File at: 11010101

MX W450 35065 CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

*** AERMOD Finishes Successfully ***