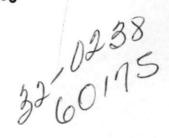


July 10, 2006

Barry Stephens, Technical Secretary Tennessee Air Pollution Control Division 9th Floor, L & C Annex 401 Church Street Nashville, Tennessee 37243-1531 JUL 1 4 2006

191 East Hanover Avenue P. O. Box 1928 Morristown, NJ 07962-1928



RE: Colgate-Palmolive Construction Permit Application in Morristown, TN

Dear Mr. Stephens:

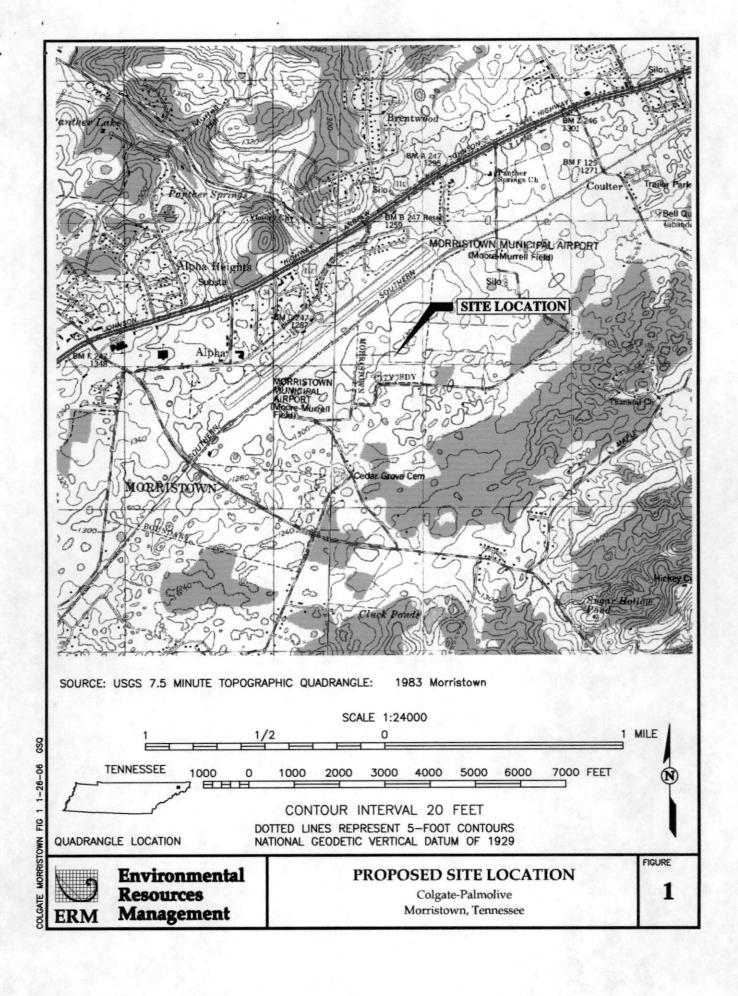
Attached you will find an application to construct a dental cream manufacturing facility in Morristown, Tennessee. Colgate-Palmolive and/or its representatives will be in touch with your staff soon to assist in the development of this permit.

If you or your staff has any questions, please feel free to call Don Haynes of ERM-Southeast at (615) 373-3350 or Eric Ikenberry of Colgate-Palmolive Company at (812) 284-8741. We look forward to working with you on this project and being an employer in Tennessee for many years to come.

Sincerely,

Alvaro Cantillo
Plant Manager

Dor. Hayres @ ERM. com



COLGATE-PALMOLIVE COMPANY



Application to Construct a Dental Cream Manufacturing Facility

Morristown, Tennessee

July 2006

Environmental Resources Management 7106 Crossroads Boulevard, Suite 228 Brentwood, Tennessee 37026





STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Air Pollution Control 9th Floor, L & C Annex 401 Church Street Nashville, TN 37243-1531

SEP 2 6 2008

Mr. Alvaro Cantillo Plant Manager Colgate-Palmolive 1410 S. Clark Blvd. Jeffersonville, IN 47131

Re:

32-0238-01,02-S2

960175P,960307P

Dear Mr. Cantillo:

Your permit applications for construction of the above referenced sources were received on July 14, 2006. Additional requested information was received on September 18, 2006. A determination has been made that the applications are now complete.

If you have any questions concerning this correspondence, please contact Jabari Martin at (615) 532-0554.

Sincerely,

John A. Trimmer, Chief

East Tennessee Permit Program

JAT/JDM APC-106

c: Knoxville Environmental Field Office



9th Floor, L & C Annex 401 Church Street Nashville, TN 37243-1531 Telephone: (615) 532-0554 FAX: (615) 532-0614

JUL 1 4 2006

APC 20

ESCRIPTION FO	PRINT AND SUBMI	T IN DUPLICATE FO	R EACH EMISS	SION SOI	URCE. ATTACH APPROPRIATE SOURCE
				1 /// 1	APC COMPANY-POINT NO
oRGANIZATIO	ON'S LEGAL NAME npany			FOR	22-0938-01
MAILING ADD 410 S. Clark Blvd.	RESS (ST/RD/P.O. BOX	9		/// APC	APC LOG/PERMIT NO. 60/75
CITY		STATE IN	ZIP CODE 47131		PHONE WITH AREA CODE 812-284-8241
PRINCIPAL TE	CHNICAL CONTACT				PHONE WITH AREA CODE 812-284-8241
SITE ADDRESS	(ST/RD/HWY)				COUNTY NAME Hamblen
forristown	NCE TO NEAREST TO		ZIP CODE 37816		PHONE WITH AREA CODE 812-284-8241
EMISSION SOU IDENTIFIES THE	JRCE NO. (NUMBER V IS SOURCE)	VHICH UNIQUELY	PERMIT RENEV	WAL NO (X)	
	AIT REQUESTED				
	N STARTING DATE	COMPLETION DATE	LAST PERMIT	NUMBER	R EMISSION SOURCE REFERENCE NUMBER
(X)	04-06	DATE 11-06	N/A		
(X) OPERATING		DATE			
	04-06 DATE CONSTRU-	DATE 11-06	N/A	NUMBE	R EMISSION SOURCE REFERENCE NUMBER
OPERATING () LOCATION	04-06 DATE CONSTRUCTION STARTED TRANSFER DATE	DATE 11-06	N/A LAST PERMIT	NUMBE	R EMISSION SOURCE REFERENCE NUMBER
OPERATING () LOCATION TRANSFER () ADDRESS OF LA DESCRIBE CHA OPERATING PI	04-06 DATE CONSTRUCTION STARTED TRANSFER DATE AST LOCATION ANGES THAT HAVE E	DATE 11-06 DATE COMPLETED BEEN MADE TO THIS	N/A LAST PERMIT LAST PERMIT	NUMBER NUMBER R OPERA	R EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER ATION SINCE THE LAST CONSTRUCTION OR
OPERATING () LOCATION TRANSFER () ADDRESS OF L. DESCRIBE CHA OPERATING PI	04-06 DATE CONSTRUCTION STARTED TRANSFER DATE AST LOCATION ANGES THAT HAVE E	DATE 11-06 DATE COMPLETED BEEN MADE TO THIS	N/A LAST PERMIT LAST PERMIT	NUMBER NUMBER R OPERA	R EMISSION SOURCE REFERENCE NUMBER R EMISSION SOURCE REFERENCE NUMBER

(OVER)

NOT TO BE USED FOR TITLE V APPLICATIONS



9th Floor, L & C Annex 401 Church Street Nashville, TN 37243-1531 Telephone:(615) 532-0554 FAX: (615) 532-0614

PROCESS OR FUEL BURNING SOURCE DESCRIPTION

PLEASE TYPE OR PRINT, SUBMIT IN DUPLICATE AND ATTACH TO THE PERMIT APPLICATION.

APC21(& 24)

1. ORGANIZATION NAME Colgate-Palmolive Company									
E. EMISSION SOURCE NO. (AS OFF)	ON PERMIT APP	LICATION)	SIC CODE 2844	/// APC	APC F	PERMIT/LOG NO.		
B. DESCRIPTION OF PROCESS OF KWA 650 Silo	R FUEL BURNIN	G UNIT							
NORMAL OPERATION: →	HOURS/DAY 24	DAYS/W	/EEK	WEEKS/YI 52	EAR	DAYS 52	YEAR		
. PERCENT ANNUAL THROUGHPUT: →						SEPT.	-NOV.		
TYPE OF BEDMIT ARM ICATIO	ON					(CHE	CK BELOW ONE ONLY)		
PROCESS SOURCE: APPLY FOR		FRMIT FOI	R FACH SOURCE	E. (CHECK A	Т	(0.11			
RIGHT, AND CO	MPLETE LINES 7	, 8, 13, ANI	D 14).			and the co	(X)		
PROCESS SOURCE WITH IN- MATERIALS HE (CHECK AT RIG	PROCESS FUEL: ATED. APPLY FO HIT, AND COMPL	PRODUCT OR A SEPA LETE LINES	S OF COMBUS RATE PERMIT S 7, 8, AND 10 T	FOR EACH SOU THROUGH 14)	JRCE.	()			
BURNER AND C	NG SOURCE: PR ATED. COMPLET COMPLETE AN EN CK. (CHECK AT	TE THIS FO	ORM FOR EACH DINT DESCRIPT	BOILER OR FU TON FORM (A	JEL PC 22)		()		
. TYPE OF OPERATION: CONT			ГСН	NORMAL TIME		NOR	MAL BATCHES/DAY		
8. PROCESS MATERIAL INPUTS	,	GRAM*	INPUT RAT	ATES (POUNDS/HOUR)		1	(FOR APC USE ONLY)		
IN-PROCESS SOLID FUELS		ERENCE	DESIGN	ACTUAL		1	SCC CODE		
A. Silica			35,000	35,00	00	/			
В.	7.32		e. Ga		13.	/			
C.						/			
D.					1				
E.			4.	//					
F.		estr.			- 7.4	//			
G.		8-5,				1			
						1			

TOTALS

^{*} A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

BOILER O	R BURNER DA	TA: (COMPLETE LI	NES 9 TO 14	USING A SEPA	RATE FOR	M FOR EA			
BOILER NUMBER	STACK NUMBER**			RATED BO	ILER R	ATED INPU	OTHER BOILER (SPECIFY CAP)	RATING ACITY AND UNITS)	
BOILER SE	ERIAL NO.	DATE CONSTRUCT	ED	DATE OF I	AST MOD	IFICATION	(EXPLAIN IN COMM	ENTS BELOW).	
*** CYCLO REINJE	ONE, SPREADE ECTION), OTHE	R (WITH OR WITHOU	JT REINJECT	TON), PULVER	IZED (WE	T OR DRY OR OTHER	BOTTOM, WITH OR V	WITHOUT ELOW	
FUEL DAT	A: (COMPLET	TE FOR A PROCESS S	OURCE WIT	H IN-PROCESS	FUEL OR	A NON-PRO	CESS FUEL BURNIN	G SOURCE)	
					STANDE	BY FUEL T	PE(S)(SPECIFY)		
FUELS USI	ED	ANNUAL USAGE			%	% D ASH	BTU VALUE	(FOR APC ONLY SCC CODE	
NATURAL	GAS:	10 ⁶ CUFT	CUFT	CUFT	111	1 11	1,000	Jec copp	
#2 FUEL O	IL:	10 ³ GAL	GAL	GAL		11			
#5 FUEL O	IL:	10 ³ GAL	GAL	GAL		11			
#6 FUEL O	IL:	10 ³ GAL	GAL	GAL	la P	11			
COAL:		TONS	LBS	LBS					
WOOD:		TONS	LBS	LBS					
LIQUID PR	OPANE:	10 ³ GAL	GAL	GAL			85,000		
					4.29				
IF WOOD	IS USED AS A	FUEL, SPECIFY TY	PES AND ES	TIMATE PER	CENT BY	WEIGHT C	F BARK		
IF WOOD	IS USED WITH	OTHER FUELS, SP	ECIFY PER	CENT BY WEIG	GIIT OF W	OOD CHA	RGED TO THE BUR	NER.	
COMMEN	ITS								
SIGNATU	RE							DATE	
	BOILER SE *** BOILER *** BOILER *** CYCLC REINJE IN COM FUEL DAT PRIMARY FUELS USE MATURAL #2 FUEL O #6 FUEL O COAL: WOOD: LIQUID PR OTHER (.S TYPE & UI IF WOOD COMMEN	BOILER STACK NUMBER** BOILER SERIAL NO. *** BOILERS WITH A COI *** CYCLONE, SPREADE REINJECTION), OTHE IN COMMENTS). FUEL DATA: (COMPLE' PRIMARY FUEL TYPE (S FUELS USED NATURAL GAS: #2 FUEL OIL: #6 FUEL OIL: COAL: WOOD: LIQUID PROPANE: OTHER (.SPECIFY TYPE & UNITS.): IF WOOD IS USED AS A	BOILER NUMBER ** BOILER SERIAL NO. DATE CONSTRUCT ** BOILERS WITH A COMMON STACK WILL *** CYCLONE, SPREADER (WITH OR WITHOR REINJECTION), OTHER STOKER (SPECIFY IN COMMENTS). FUEL DATA: (COMPLETE FOR A PROCESS SPRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE NATURAL GAS: 106 CUFT #2 FUEL OIL: 103 GAL #6 FUEL OIL: 103 GAL COAL: TONS WOOD: TONS LIQUID PROPANE: 103 GAL OTHER (SPECIFY TYPE & UNITS.): IF WOOD IS USED AS A FUEL, SPECIFY TYPE & UNITS.): IF WOOD IS USED WITH OTHER FUELS, SPECIMENTS	BOILER STACK NUMBER** BOILER SERIAL NO. DATE CONSTRUCTED *** BOILERS WITH A COMMON STACK WILL HAVE THE S *** CYCLONE, SPREADER (WITH OR WITHOUT REINJECT REINJECTION), OTHER STOKER (SPECIFY TYPE), HA IN COMMENTS). FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITHOUT REINJECT PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE HOURD DESIGN NATURAL GAS: 10 ⁵ CUFT CUFT #2 FUEL OIL: 10 ³ GAL GAL #5 FUEL OIL: 10 ³ GAL GAL COAL: TONS LBS LIQUID PROPANE: 10 ³ GAL GAL OTHER (SPECIFY TYPE & UNITS.): IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ES COMMENTS	BOILER NUMBER** TYPE OF FIRING*** RATED BO HORSEPON BOILER SERIAL NO. DATE CONSTRUCTED DATE OF L **BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK N **CYCLONE, SPREADER (WITH OR WITHOUT REINIECTION), PULVER REINIECTION), PULVER STOKER (SPECIFY TYPE), HAND FIRED, AVI IN COMMENTS). FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS PRIMARY FUEL TYPE (SPECIFY) FUELS USED	BOILER NUMBER** TYPE OF FIRING*** RATED BOILER R NUMBER NUMBER** POSILER SERIAL NO. DATE CONSTRUCTED DATE OF LAST MOD DATE OF LAST MOD THE STACK NUMBER.** PROBLERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER. PRINCETION, OTHER STOKER (SPECIFY TYPE), HAND FIRED, AUTOMATIC, IN COMMENTS). FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE DESIGN AVERAGE METER OF A PROCESS SOURCE WITH IN-PROCESS FUEL OR A PROCESS FUEL OR A PR	BOILER NUMBER** TYPE OF FIRING*** RATED BOILER NUMBER** BOILER SERIAL NO. DATE CONSTRUCTED DATE OF LAST MODIFICATION *** BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER. **** CYCLONE, SPREADER (WITH OR WITHOUT REINJECTION), PULVERIZED (WET OR DRY REINJECTION), OTHER STOKER (SPECIFY TYPE), HAND FIRED, AUTOMATIC, OR OTHER IN COMMENTS). FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A NON-PROPERTION OF THE PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE DESIGN AVERAGE DESIGN AVERAGE SULFUR ASH NATURAL GAS: 10° CUFT COFT COAL: 10° GAL GAL GAL GAL GAL COAL: TONS LBS LBS LBS COTHER (SPECIFY TYPE AND ESTIMATE PERCENT BY WEIGHT OF WOOD CHACOMMENTS).	HORSEPOWER CAPACITY (10° BTUJHR) (SPECIFY DATA: (COMMENTS). *** COCIONE, SPREADBER (WITH OR WITHOUT REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), OTHER STOKER (SPECIFY TYPE), HAND FIRED, AUTOMATIC, OR OTHER TYPE (DESCRIBE BY IN COMMENTS). ***CYCLONE, SPREADBER (WITH OR WITHOUT REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), OTHER TYPE (DESCRIBE BY IN COMMENTS). ***CYCLONE, SPREADBER (WITH OR WITHOUT REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), OTHER TYPE (DESCRIBE BY IN COMMENTS). ***CYCLONE, SPREADBER (WITH OR WITHOUT REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), OTHER COMMENTS. ***CYCLONE, SPREADBER (WITH OR WITHOUT REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVERIZED (WET OR DRY BOTTOM, WITH OR REINBECTION), PULLVER REINBECTION),	

NOT TO BE USED FOR TITLE V APPLICATIONS



9th Floor, L & C Annex 401 Church Street Nashville, TN 37243-1531 Telephone: (615) 532-0554 FAX: (615) 532-0614

EMISSION POINT DESCRIPTION

PLEASE TYPE OR PRINT ATTACH TO THE PERMI'			ATE FOR EACH STA	ACK OR EMISSION	POINT.			
ORGANIZATION NAME Colgate-Palmolive Company					/// FOR	APC COMPA	NY POINT NO.	
2. EMISSION SOURCE NO	. (FROM APPL	ICATION)	FLOW DIAGRAM PO	INT NUMBER	///	APC SEQUEN	NCE NO.	
3. LOCATION:	LATITUDE		LONGITUDE	UTM VERTICAL		UTM HORIZONTAL		
4. BRIEF EMISSION POIN XWA 650 Silo Baghouse (bin v	T DESCRIPTI vent). Used only	ON (ATTACH during silo load	A SKETCH IF APPROPI	RIATE): natic transfer.		DISTANCE T PROPERTY I 285		
COMPLETE LINES 5 AND 6	IF DIFFERENT	FROM THAT (ON THE PROCESS OR I	FUEL BURNING SOU	RCE DESCRIPTION	ON (APC 21)		
5. NORMAL OPERATION:	HOURS/DAY 24		DAYS/WEEK 1	WEEK/YEAR 52		DAYS/YEAR 52		
6. PERCENT ANNUAL THROUGHPUT: →	DECFEB.		MARCH-MAY 25	JUNE-AUG. 25		SEPTNOV. 25		
7. STACK OR EMISSION POINT DATA:	HEIGHT AB GRADE (F		DIAMETER (FT) 1	TEMPERATURE (°F) Ambient	% OF TIME OVER 125°F 0	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Horizontal MOISTURE (PERCENT) Ambient		
DATA AT EXIT CONDITIONS:	FLOW (ACT FT ³ /MIN.)	UNL	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³) Ambient				
DATA AT STANDARD CONDITIONS:	FLOW (DRY FT³/MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³) Ambient		MOISTURE (PERCENT) Ambient		
→	800	AC	TUAL EMISSIONS			1		
8. AIR CONTAMINANTS	EMISSIONS AVERAGE	The same of the sa	CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
PARTICULATES	0.16	0.16	**	0.18	4	018	95+	
SULFUR DIOXIDE			***					
CARBON MONOXIDE			PPM					
ORGANIC COMPOUNDS			PPM	0				
NITROGEN OXIDES			PPM					
FLUORIDES								
OTHER(SPECIFY)								
OTHER(SPECIFY)								

COMMENTS			
ions occur only during silo loading by pneumatic tra	r operations through a bin vent that	is process equipment and not co	ntrol equipment
SIGNATURE			DATE

- REFER TO THE BACK OF THE PERMIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES.
- ** EXIT GAS PARTICULATE CONCENTRATION UNITS: PROCESS GRAINS/DRY STANDARD FT3 (70°F); WOOD FIRED BOILERS —

 GRAINS/DRY STANDARD FT3 (70°F); ALL OTHER BOILERS LBS/MILLION BTU HEAT INPUT.

 *** EXIT GAS SULFUR DIOXIDE CONCENTRATIONS UNITS: PROCESS PPM BY VOLUME, DRY BASES; BOILERS LBS/MILLION BTU HEAT

NOT TO BE USED FOR TITLE V APPLICATIONS



9th Floor, L & C Annex 401 Church Street Nashville, TN 37243-1531 Telephone:(615) 532-0554 FAX: (615) 532-0614

PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

1. ORGANIZATION NAME Colgate-Palmolive Company					FOR	APC C	OMPANY-POINT NO.
2. EMISSION SOURCE NO. (AS ON	N PERMIT APPLIC	ATION)	SIC CODE 2844	/// APC	APC P	ERMITYLOG NO.
3. DESCRIPTION OF PROCESS OR I Zeodent silo	FUEL BURNING U	NIT					
	HOURS/DAY D	DAYS/W	EEK	WEEKS/YE	AR	DAYS/	YEAR
				JUNE-AUG 25		SEPT 25	NOV.
6. TYPE OF PERMIT APPLICATION			10.00	(CHE	CK BELOW ONE ONLY)		
PROCESS SOURCE: APPLY FOR A RIGHT, AND COM	SEPARATE PERM PLETE LINES 7, 8, 1	13, AND	14).				(X)
PROCESS SOURCE WITH IN-PR MATERIALS HEAT (CHECK AT RIGHT	ED. APPLY FOR A	SEPAR	RATE PERMIT FO	OR EACH SOU			()
NON-PROCESS FUEL BURNING MATERIALS HEAT BURNER AND COL FOR EACH STACK	ED. COMPLETE T	HIS FO	RM FOR EACH I	BOILER OR FU ON FORM (A)	JEL PC 22)		()
7. TYPE OF OPERATION: CONTIN		BAT (X)		NORMAL I TIME		NORM	IAL BATCHES/DAY
B. PROCESS MATERIAL INPUTS AN	ND DIAGRA		INPUT RATES	(POUNDS/HO	OUR)	1	(FOR APC USE ONLY)
IN-PROCESS SOLID FUELS	REFERE	NCE	DESIGN	ACTU	AL	1	SCC CODE
A. Zeodent			35,000	35,000		1	
В.						1	
C.			1 1 1			1	
D.						1	
E.						1	
F.		7				1	
G.						1	
		3		No like		/	
	-			1 4 7		1	The second secon

TOTALS

^{*} A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

9.	BOILER O	R BURNER DA	ATA: (COMPLETE L	INES 9 TO 14	USING A SEPA	RATE FOR	RM FOR EA	CH BOILER)			
	BOILER NUMBER	STACK NUMBER**	TYPE OF FIRING**		RATED BO HORSEPO	WER C	RATED INPU CAPACITY 10 ⁶ BTU/HR	OTHER BOILE (SPECIFY CAP	R RA'TING ACITY AND UNITS)		
	BOILER SE	ERIAL NO.	DATE CONSTRUCT	ΓED	DATE OF I	AST MOD	DIFICATION	(EXPLAIN IN COMM	IENTS BELOW).		
	*** CYCLO REINJE IN COM	ONE, SPREADE ECTION), OTHE MMENTS).	MMON STACK WILL R (WITH OR WITHOU ER STOKER (SPECIF	JT REINJECT Y TYPE), HA	TION), PULVER ND FIRED, AUT	IZED (WI FOMATIC,	OR OTHER	TYPE (DESCRIBE I	BELOW		
		FA: (COMPLETEL TYPE (S	TE FOR A PROCESS S PECIFY)	SOURCE WIT	H IN-PROCESS			PE(S)(SPECIFY)	G SOURCE)		
	FUELS USI	ED	ANNUAL USAGE	HOURI	LY USAGE AVERAGE	% SULFU	IR ASH	BTU VALUE OF FUEL	(FOR APC ONLY) SCC CODE		
	NATURAL	GAS:	106 CUFT	CUFT	CUFT	111	1 11	1,000			
	#2 FUEL O	IL:	10 ³ GAL	GAL	GAL		11				
	#5 FUEL O	IL:	10 ³ GAL	GAL	GAL		11				
	#6 FUEL O	IL:	10 ³ GAL	GAL	GAL	* 12	11				
	COAL:		TONS	LBS	LBS						
	WOOD:		TONS	LBS	LBS	111					
	LIQUID PR	OPANE:	10 ³ GAL	GAL	GAL	111		85,000			
	OTHER (.S TYPE & UI										
1.	IF WOOD	IS USED AS A	FUEL, SPECIFY TY	PES AND ES	TIMATE PERC	ENT BY	WEIGHT O	F BARK			
2.	IF WOOD	IS USED WITH	OTHER FUELS, SP	ECIFY PERC	CENT BY WEIG	GHT OF W	VOOD CHA	RGED TO THE BUR	NER.		
3.	COMMEN	TS			Total Control						

NOT TO BE USED FOR TITLE V APPLICATIONS



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EMISSION POINT DESCRIPTION

ATTACH TO THE PERMIT		1011.		0.000	111	APC COMPA	NY POINT NO.	
Colgate-Palmolive Company								
		IO LIMIOS D	ELOW DITCH TANK	INTENTIMENT	FOR ///	APC SEQUEN	NCE NO	
2. EMISSION SOURCE NO TF2	. (FROM APPL	LICATION)	FLOW DIAGRAM PO	INI NUMBER	APC			
3. LOCATION:	LATITUDE		LONGITUDE	UTM VERTICAL 4006200		UTM HORIZO 286628	ONTAL	
BRIEF EMISSION POIN Zeodent silo baghouse (bin vent	T DESCRIPTI t) Used only du	ION (ATTACH a	A SKETCH IF APPROP on for pneumatic transfer	RIATE):		DISTANCE T PROPERTY I 285		
COMPLETE LINES 5 AND 6 I	IF DIFFERENT	FROM THAT O	ON THE PROCESS OR	FUEL BURNING SOU	RCE DESCRIPTION	ON (APC 21)		
5. NORMAL OPERATION:	HOURS/DAY 24		DAYS/WEEK 1	WEEK/YEAR 52		DAYS/YEAR 52		
6. PERCENT ANNUAL THROUGHPUT:	DECFEB. 25		MARCH-MAY 25	JUNE-AUG. 25		SEPTNOV. 25		
7. STACK OR EMISSION POINT DATA: →	HEIGHT AB GRADE (F		DIAMETER (FT)	TEMPERATURE (°F) Ambient	% OF TIME OVER 125°F 0	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Horizontal		
DATA AT EXIT CONDITIONS:	FLOW (ACT FT ³ /MIN.)	UAL	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³) Ambient		MOISTURE (PERCENT) Ambient		
DATA AT STANDARD CONDITIONS:	FLOW (DRY FT ³ /MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³) Ambient		MOISTURE (PERCENT) Ambient		
8. AIR CONTAMINANTS	000	AC	TUAL EMISSIONS					
s. All containing to	EMISSIONS AVERAGE		CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
PARTICULATES	0.16	0.16	**	0.18	4	018	95+	
SULFUR DIOXIDE			***					
CARBON MONOXIDE			PPM					
ORGANIC COMPOUNDS			PPM					
NITROGEN OXIDES		7 7 7	PPM					
FLUORIDES		1.25	1. 1848					
OTHER(SPECIFY)				A COLD				
OTHER(SPECIFY)	ESTE SAX							

NOT TO BE USED FOR TITLE V APPLICATIONS



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JUL 1 4 2006

PERMIT APPLICATION

		IT IN DUPLICATE FO	OR EACH EMISS	SION SOU	JRCE. ATTACH APPROPRIATE SOURCE
DESCRIPTION FO 1. ORGANIZATION	RMS. ON'S LEGAL NAME		192 94	111	APC COMPANYPOINT NO.
Colgate-Palmolive Cor	mpany			FOR	32-0238-01
2. MAILING ADD 1410 S. Clark Blvd.	PRESS (ST/RD/P.O. BO	X)		APC APC	APC LOG/PERMIT NO. 60/75
CITY Jeffersonville		STATE IN	ZIP CODE 47131		PHONE WITH AREA CODE 812-284-8241
Bric Ikenberry	ECHNICAL CONTACT	r			PHONE WITH AREA CODE 812-284-8241
4. SITE ADDRESS	S (ST/RD/HWY)	ha w			COUNTY NAME Hamblen
CITY OR DISTA Morristown	NCE TO NEAREST TO	DWN	ZIP CODE 37816		PHONE WITH AREA CODE 812-284-8241
EMISSION SOU IDENTIFIES TH	JRCE NO. (NUMBER V IS SOURCE)	WHICH UNIQUELY	PERMIT RENEV YES ()	WAL NO (X)	
quipment, variou	s material handling p	processes and various	s minor sources	exempt fi	ge silos with fabric filter control on conveying from permitting.
equipment, various	material handling particular requested The starting date in the starting date in the starting date.	concesses and various	s minor sources	exempt fi	from permitting.
. TYPE OF PERM	MIT REQUESTED N STARTING DATE	COMPLETION DATE	s minor sources	exempt fi	from permitting.
quipment, various	s material handling p	concesses and various	s minor sources	exempt fi	from permitting.
. TYPE OF PERM CONSTRUCTION (X) OPERATING () LOCATION TRANSFER	AIT REQUESTED N STARTING DATE 04-06 DATE CONSTRU-	COMPLETION DATE 11-06	LAST PERMIT	NUMBER	From permitting. EMISSION SOURCE REFERENCE NUMBER
C. TYPE OF PERM CONSTRUCTION (X) OPERATING () LOCATION	AIT REQUESTED N STARTING DATE 04-06 DATE CONSTRUCTION STARTED TRANSFER DATE	COMPLETION DATE 11-06	LAST PERMIT N/A LAST PERMIT	NUMBER	EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER
7. TYPE OF PERM CONSTRUCTION (X) OPERATING () LOCATION TRANSFER () ADDRESS OF LA	AIT REQUESTED N STARTING DATE 04-06 DATE CONSTRUCTION STARTED TRANSFER DATE AST LOCATION ANGES THAT HAVE HERMIT APPLICATION	COMPLETION DATE 11-06 DATE COMPLETED BEEN MADE TO THIS	LAST PERMIT N/A LAST PERMIT LAST PERMIT	NUMBER NUMBER NUMBER	EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER TION SINCE THE LAST CONSTRUCTION OR
C. TYPE OF PERM CONSTRUCTION (X) OPERATING () LOCATION TRANSFER () ADDRESS OF LA DESCRIBE CHA OPERATING PH	AIT REQUESTED N STARTING DATE 04-06 DATE CONSTRUCTION STARTED TRANSFER DATE AST LOCATION ANGES THAT HAVE RERMIT APPLICATION	COMPLETION DATE 11-06 DATE COMPLETED	LAST PERMIT N/A LAST PERMIT LAST PERMIT	NUMBER NUMBER NUMBER	EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER

NOT TO BE USED FOR TITLE V APPLICATIONS



9th Floor, L & C Annex 401 Church Street Nashville, TN 37243-1531 Telephone:(615) 532-0554 FAX: (615) 532-0614

PROCESS OR FUEL BURNING SOURCE DESCRIPTION

PLEASE TYPE OR PRINT, SUBMIT IN DUPLICATE AND ATTACH TO THE PERMIT APPLICATION.

APC21(& 24)

1. ORGANIZATION NAME									
Colgate-Palmolive Company		3 4	A 30 L 3	1000	FOR	52	- 0208-01		
2. EMISSION SOURCE NO. (AS O	N PERMIT APP	PLICATION	1)	SIC CODE 2844	APC	APC PE	RMIT/LOG NO.		
3. DESCRIPTION OF PROCESS OR 800 hp natural gas fired boiler with low-N			reulation						
4. NORMAL OPERATION: →	HOURS/DAY 24	DAYS/V	VEEK	WEEKS/YE 52	EAR	DAYS/\\ 365	YEAR		
5. PERCENT ANNUAL THROUGHPUT: →						SEPTN 25	NOV.		
6. TYPE OF PERMIT APPLICATIO	TYPE OF PERMIT APPLICATION								
RIGHT, AND COM	6. TYPE OF PERMIT APPLICATION PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14).						()		
PROCESS SOURCE WITH IN-P MATERIALS HEA (CHECK AT RIGH	TED. APPLY FO	OR A SEPA	RATE PERMIT I	OR EACH SOU			()		
NON-PROCESS FUEL BURNIN MATERIALS HEA BURNER AND CO FOR EACH STACE	TED. COMPLETE AN EN	TE THIS FO	ORM FOR EACH	BOILER OR FU ION FORM (AI	JEL PC 22)		(X)		
7. TYPE OF OPERATION: CONTIN			ГСН	NORMAL I		NORMAL BATCHES/DAY			
8. PROCESS MATERIAL INPUTS A	ND DIAC	GRAM*	INPUT RATE	S (POUNDS/HO		1	(FOR APC USE ONLY)		
IN-PROCESS SOLID FUELS	REFI	ERENCE	DESIGN	ACTU.	AL	1	SCC CODE		
A. N/A		9.5				1			
В.	to a			1		/			
C.		Neg .				1			
D.		3000	1.4.2		A.	//			
E.						1	m grades with the		
F.						/			
G.					10 2017	/			
	TOTA	ALS				/			

^{*} A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

NOT TO BE USED FOR TITLE V APPLICATIONS



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EMISSION POINT DESCRIPTION

ATTACH TO THE PERMI		TON.					Tel 1989 1988	
1. ORGANIZATION NAMI Colgate-Palmolive Company	E				1//		ANY POINT NO.	
Colgate-1 almonve Company					FOR	152-0	238-0	
2. EMISSION SOURCE NO	. (FROM APP	LICATION)	FLOW DIAGRAM PO	DINT NUMBER	111	APC SEQUE		
O1			6		APC	(00	11/5	
3. LOCATION: →	LATITUDE		LONGITUDE	UTM VERTICAL 4006200		UTM HORIZONTAL 286628		
4. BRIEF EMISSION POIN Stack from Boiler U1 (Primary		ION (ATTACH	A SKETCH IF APPROP	PRIATE):		DISTANCE PROPERTY	TO NEAREST LINE (FT)	
COMPLETE LINES 5 AND 6	IF DIFFEREN	FROM THAT	ON THE PROCESS OR	FUEL BURNING SOU	RCE DESCRIPT	ION (APC 21)		
5. NORMAL	HOURS/DA		DAYS/WEEK	WEEK/YEAR	10 10 10 10 10 10 10 10 10 10 10 10 10 1	DAYS/YEAR	3	
OPERATION: →	24		7	52		365		
6. PERCENT ANNUAL THROUGHPUT: →	DECFEB. 25		MARCH-MAY 25	JUNE-AUG. 25		SEPTNOV. 25		
7. STACK OR EMISSION POINT DATA:	HEIGHT ABOVE GRADE (FT)		DIAMETER (FT)	TEMPERATURE (°F)	RATURE % OF TIME OVER 125°F		DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up	
→	25		1.5	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	100			
DATA AT EXIT CONDITIONS:	FLOW (ACT FT ³ /MIN.)	UAL	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
DATA AT STANDARD CONDITIONS:	FLOW (DRY FT ³ /MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
8. AIR CONTAMINANTS		AC	CTUAL EMISSIONS	1.75 4.87				
	EMISSIONS AVERAGE	(LBS/HR) MAXIMUM	CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
PARTICULATES		0.20	**	0.87	3	000		
SULFUR DIOXIDE		0.02	***	0.07	3	000		
CARBON MONOXIDE		2.20	PPM	9.66	3	000		
ORGANIC COMPOUNDS		0.14	PPM	0.63	3	000		
NITROGEN OXIDES		0.84	PPM	3.68	3	046	68 %	
FLUORIDES								
OTHER(SPECIFY)					- 21			
OTHER(SPECIFY)						-		

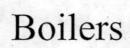
NOT TO BE USED FOR TITLE V APPLICATIONS



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EMISSION POINT DESCRIPTION

PLEASE TYPE OR PRINT ATTACH TO THE PERMI			ATE TOR EACH ST	Tell of Elimono				
1. ORGANIZATION NAME Colgate-Palmolive Company					FOR	1.0000	NY POINT NO. 238-01	
2. EMISSION SOURCE NO U2	. (FROM APPI	LICATION)	FLOW DIAGRAM PO	INT NUMBER	/// APC	APC SEQUENCE NO.		
3. LOCATION:	LATITUDE		LONGITUDE	UTM VERTICAL 4006200		UTM HORIZONTAL 286628		
4. BRIEF EMISSION POIN Stack from Boiler U2 (Back up		ION (ATTACH	I A SKETCH IF APPROP	RIATE):		DISTANCE T PROPERTY I		
COMPLETE LINES 5 AND 6	IF DIFFERENT	FROM THAT (ON THE PROCESS OR	FUEL BURNING SOU	RCE DESCRIPTI	ON (APC 21)		
5. NORMAL OPERATION:	HOURS/DA		DAYS/WEEK 0	WEEK/YEAR 0		DAYS/YEAR 0		
6. PERÇENT ANNUAL THROUGHPUT: →	OUGHPUT: 25			JUNE-AUG. 25		SEPTNOV. 25		
7. STACK OR EMISSION POINT DATA: →	HEIGHT AB GRADE (F		DIAMETER (FT)	TEMPERATURE (°F)	% OF TIME OVER 125°F	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up		
DATA AT EXIT CONDITIONS:	FLOW (ACT FT ³ /MIN.)	UAL	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
DATA AT STANDARD CONDITIONS:	FLOW (DRY FT ³ /MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
→ 8. AIR CONTAMINANTS	Dr. Barrer	AC	TUAL EMISSIONS					
	EMISSIONS AVERAGE		CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
PARTICULATES		0.20	**	0.87	3	000		
SULFUR DIOXIDE		0.02	***	0.07	3	000		
CARBON MONOXIDE		2.20	PPM	9.66	3	000		
ORGANIC COMPOUNDS		0.14	PPM	0.63	3	000		
NITROGEN OXIDES		0.84	PPM	3.68	3	046	68 %	
FLUORIDES								
OTHER(SPECIFY)								
OTHER(SPECIFY)				1	ling 8 to			





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EMISSION POINT DESCRIPTION

1. ORGANIZATION NAME	E				11	APC COMP	ANY POINT NO.	
Colgate-Palmolive Company					FOR		ANT FORVE NO.	
2. EMISSION SOURCE NO		NCE NO						
U2			FLOW DIAGRAM PO		APC		APC SEQUENCE NO.	
3. LOCATION: →	LATITUDE		LONGITUDE	UTM VERTICAL 4006200		UTM HORIZ 286628	CONTAL	
4. BRIEF EMISSION POIN Stack from Boiler U2 (Back up	p boiler)					PROPERTY 370	TO NEAREST LINE (FT)	
COMPLETE LINES 5 AND 6	IF DIFFEREN	FROM THAT	ON THE PROCESS OR	FUEL BURNING SOU	RCE DESCRIP	TION (APC 21)		
5. NORMAL OPERATION: →	HOURS/DA 0	Y	DAYS/WEEK 0	WEEK/YEAR 0		DAYS/YEAR 0	2	
6. PERCENT ANNUAL THROUGHPUT: →	DECFEB. 25		MARCH-MAY 25	JUNE-AUG. 25		SEPTNOV. 25		
7. STACK OR EMISSION POINT DATA: →	HEIGHT AE GRADE (F 25		DIAMETER (FT)	TEMPERATURE (°F)	% OF TIME OVER 125°F	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up MOISTURE (PERCENT)		
DATA AT EXIT CONDITIONS:	FLOW (ACT FT ³ /MIN.)	UAL	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)				
DATA AT STANDARD CONDITIONS:	FLOW (DRY FT ³ /MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
8. AIR CONTAMINANTS		AC	TUAL EMISSIONS				1	
	EMISSIONS AVERAGE		CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
PARTICULATES		0.20	**	0.87	3	000		
SULFUR DIOXIDE		0.02	***	0.07	3	000		
CARBON MONOXIDE		2.20	PPM	9.66	3	000		
ORGANIC COMPOUNDS		0.14	PPM	0.63	3	000		
NITROGEN OXIDES FLUORIDES		0.84	PPM	3.68	3	046	68 %	
OTHER(SPECIFY)			31,81					
OTTER(DECEMENT)								

•	A	D	~	2	1
500	4	-	100	1	1

 CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTA OPACITY MONITOR (), SO2 MONITOR (), NOX MONITOR (), OTHER (SPECIFY IN 	ACHED: N COMMENTS) ()
10. COMMENTS	
NOx control consists of low NOx burners and flue gas recirculation. Boilers U1 and U2 will not operate co.	ncurrently.
11 CLONATURE	
11. SIGNATURE	DATE

- REFER TO THE BACK OF THE PERMIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES.
- EXIT GAS PARTICULATE CONCENTRATION UNITS: PROCESS GRAINS/DRY STANDARD FT3 (70°F); WOOD FIRED BOILERS —
- GRAINS/DRY STANDARD FT3 (70°F); ALL OTHER BOILERS LBS/MILLION BTU HEAT INPUT.

 *** EXIT GAS SULFUR DIOXIDE CONCENTRATIONS UNITS: PROCESS PPM BY VOLUME, DRY BASES; BOILERS LBS/MILLION BTU HEAT



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EMISSION POINT DESCRIPTION

				1///	APC COMPA	ANY POINT NO.
				FOR		
. (FROM APP	LICATION)	FLOW DIAGRAM PO	OINT NUMBER	111	APC SEQUE	NCE NO.
LATITUDE		LONGITUDE	UTM HORIZONTAL 286628			
boiler)					PROPERTY 370	TO NEAREST LINE (FT)
F DIFFERENT	FROM THAT	ON THE PROCESS OR	FUEL BURNING SOU	RCE DESCRIPT	ION (APC 21)	
HOURS/DA 24	Y	DAYS/WEEK 7	WEEK/YEAR 52		DAYS/YEAF 365	
DECFEB. 25		MARCH-MAY 25	JUNE-AUG. 25		SEPTNOV. 25	
		DIAMETER (FT)	TEMPERATURE (°F)	% OF TIME OVER 125°F	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up MOISTURE (PERCENT)	
FLOW (ACT FT ³ /MIN.)	UAL	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)			
FLOW (DRY FT ³ /MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)	
	Δ(THAI EMISSIONS				
EMISSIONS AVERAGE		CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%
	0.20	* 5	0.87	3	000	
No. of	0.02	***	0.07	3	000	
	2.20	PPM	9.66	3	000	
	0.14	PPM	0.63	3	000	
	0.84	PPM	3.68	3	046	68 %
	17.74			1974		
	LATITUDE T DESCRIPT boiler) F DIFFERENT HOURS/DA 24 DECFEB. 25 HEIGHT AB GRADE (F: 25 FLOW (ACT FT³/MIN.) FLOW (DRY FT³/MIN)	LATITUDE T DESCRIPTION (ATTACH boiler) F DIFFERENT FROM THAT HOURS/DAY 24 DECFEB. 25 HEIGHT ABOVE GRADE (FT) 25 FLOW (ACTUAL FT³/MIN.) FLOW (DRY STD. FT³/MIN) ACEMISSIONS (LBS/HR) AVERAGE MAXIMUM 0.20 0.02 2.20 0.14	LATITUDE LONGITUDE T DESCRIPTION (ATTACH A SKETCH IF APPROFIBIOR) F DIFFERENT FROM THAT ON THE PROCESS OR HOURS/DAY 24 DAYS/WEEK 7 DECFEB. MARCH-MAY 25 HEIGHT ABOVE GRADE (FT) 25 1.5 FLOW (ACTUAL FT³/MIN.) (FT/SEC) FLOW (DRY STD. VELOCITY (FT/SEC) ACTUAL EMISSIONS EMISSIONS (LBS/HR) AVERAGE MAXIMUM 0.20	LATITUDE LONGITUDE UTM VERTICAL 4006200 T DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE): boiler) F DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOU HOURS/DAY 24 DAYS/WEEK 7 S2 DECFEB. MARCH-MAY 25 JUNE-AUG. 25 HEIGHT ABOVE GRADE (FT) (FT) (FT) (FT) (GRAINS/FT³) FLOW (ACTUAL FT³/MIN.) VELOCITY (FT/SEC) MOISTURE (GRAINS/FT³) FLOW (DRY STD. FT³/MIN) VELOCITY (GRAINS/FT³) ACTUAL EMISSIONS EMISSIONS (LBS/HR) CONCENTRATION AVG. EMISSIONS (TONS/YR)	FOR APPLICATION) FLOW DIAGRAM POINT NUMBER INTERPRETATION (ATTACH A SKETCH IF APPROPRIATE): FDIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPT HOURS/DAY 24 DAYS/WEEK 7 DECFEB. 25 MARCH-MAY 25 DIAMETER (FT) (FT) (FT) (FT) FLOW (ACTUAL FT³/MIN.) FLOW (DRY STD. FLOW (DRY STD. FLOW (DRY STD. FTOM (DRY STD. FTOM (DRY STD. FTOM (DRY STD. FTOM (DRY STD. FLOW (DRY STD. FT³/MIN.) ACTUAL EMISSIONS EMISSIONS (LBS/HR) AVERAGE MAXIMUM AVG. EMISSIONS EMISSIONS EMISSIONS EMISSIONS TONS/TP) 0.20 0.87 3 PPM 0.63 3 PPM 0.63	FOR FOR APC APC APC

10. COMMENTS NOx control consists of low NOx but Boilers U1 and U2 will not operate of	1 1 COMMINIO)()
II. SIGNATURE	DATE
2. 520.112.0112	DATE

EXIT GAS PARTICULATE CONCENTRATION UNITS: PROCESS — GRAINS/DRY STANDARD FT3 (70°F); WOOD FIRED BOILERS — GRAINS/DRY STANDARD FT3 (70°F); ALL OTHER BOILERS — LBS/MILLION BTU HEAT INPUT.

*** EXIT GAS SULFUR DIOXIDE CONCENTRATIONS UNITS: PROCESS — PPM BY VOLUME, DRY BASES; BOILERS — LBS/MILLION BTU HEAT

MIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES.

NOT TO BE USED FOR TITLE V APPLICATIONS



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PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

PLEASE TYPE OR PRINT, SUBM	IIT IN DUPLICA	TE AND	ATTACH TO TH	HE PERMIT A	APPLICA	ATION.	
1. ORGANIZATION NAME Colgate-Palmolive Company			A Comment		/// FOR		10238-01
2. EMISSION SOURCE NO. (AS U2	APC PER	MIT/LOG NO.					
 DESCRIPTION OF PROCESS Of 800 hp natural gas fired boiler with low Backup boiler to U1 which is primary 			rculation				
4. NORMAL OPERATION: →	HOURS/DAY 24	DAYS/\\7	WEEK	WEEKS/YE	EAR	DAYS/YE 365	EAR
5. PERCENT ANNUAL THROUGHPUT: →	DECFEB. 25	MARCI 25	I-MAY	JUNE-AUG 25		SEPTNC 25	OV.
6. TYPE OF PERMIT APPLICATI	ON	Magnilla.	35 E 4 - 5 E 5			(CHECK	BELOW ONE ONLY)
	MPLETE LINES 7	, 8, 13, AN	D 14).				()
	PROCESS FUEL EATED. APPLY FO GHT, AND COMPL	OR A SEPA	RATE PERMIT F	OR EACH SOL			()
NON-PROCESS FUEL BURNI MATERIALS HE BURNER AND (RODUCTS FE THIS FO MISSION P	OF COMBUSTION ORM FOR EACH OINT DESCRIPTI	N DO NOT CO BOILER OR FU ON FORM (A)	JEL PC 22)		(X)
7. TYPE OF OPERATION: CONT	TNUOUS,		ГСН	NORMAL I TIME		NORMAI	BATCHES/DAY
8. PROCESS MATERIAL INPUTS IN-PROCESS SOLID FUELS	AND DIAG	GRAM* ERENCE	INPUT RATE DESIGN	S (POUNDS/HO ACTU		1	(FOR APC USE ONLY) SCC CODE
A. N/A		Service 1		1		1	
В.		1				//	
C.						1	
D.	Andrew Trans					1	TO ASSES
E.						1	
F.						/	
G.			4			1	
	TOTA	ALS			f i	/	

^{*} A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.



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JUL 1 4 2006

DI EASE TYPE OP	PRINT AND SURMI	T IN DUPLICATE FO	D EACH EMISS	SION SOLI	RCE. ATTACH APPROPRIATE SOURCE
DESCRIPTION FOR		I IN DOFEICATE FO	R EACH EMIS.	100	
 ORGANIZATIO Colgate-Palmolive Con 				APC COMPANY-POINT NO 22 -0938-01	
2. MAILING ADD 1410 S. Clark Blvd.	RESS (ST/RD/P.O. BOX	X)		/// APC	APC LOG/PERMIT NO. 60175
CITY Jeffersonville		STATE IN	ZIP CODE 47131		PHONE WITH AREA CODE 812-284-8241
3. PRINCIPAL TE Eric Ikenberry	CHNICAL CONTACT				PHONE WITH AREA CODE 812-284-8241
4. SITE ADDRESS	S (ST/RD/HWY)				COUNTY NAME Hamblen
CITY OR DISTA Morristown	NCE TO NEAREST TO	WN	ZIP CODE 37816		PHONE WITH AREA CODE 812-284-8241
5. EMISSION SOU IDENTIFIES THE	JRCE NO. (NUMBER V IS SOURCE)	WHICH UNIQUELY	PERMIT RENEY YES ()	WAL NO (X)	
	AIT REQUESTED N STARTING DATE	COMPLETION	LAST PERMIT	NUMBER	EMISSION SOURCE REFERENCE NUMBER
	04-06 DATE CONSTRU-	COMPLETION DATE 11-06 DATE COMPLETED	LAST PERMIT N/A LAST PERMIT		
CONSTRUCTION (X)	N STARTING DATE 04-06	DATE 11-06	N/A	NUMBER	EMISSION SOURCE REFERENCE NUMBER
CONSTRUCTION (X) OPERATING () LOCATION	N STARTING DATE 04-06 DATE CONSTRUCTION STARTED TRANSFER DATE	DATE 11-06	N/A LAST PERMIT	NUMBER	EMISSION SOURCE REFERENCE NUMBER
CONSTRUCTION (X) OPERATING () LOCATION TRANSFER () ADDRESS OF LA 8. DESCRIBE CHA OPERATING PE N/A 9. SIGNATURE (A)	N STARTING DATE 04-06 DATE CONSTRUCTION STARTED TRANSFER DATE AST LOCATION ANGES THAT HAVE HERMIT APPLICATION	DATE 11-06 DATE COMPLETED BEEN MADE TO THIS	N/A LAST PERMIT LAST PERMIT	NUMBER NUMBER	EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER TION SINCE THE LAST CONSTRUCTION OR
CONSTRUCTION (X) OPERATING () LOCATION TRANSFER () ADDRESS OF LA 8. DESCRIBE CHA OPERATING PE N/A 9. SIGNATURE (A)	O4-06 DATE CONSTRUCTION STARTED TRANSFER DATE AST LOCATION ANGES THAT HAVE HERMIT APPLICATION PPLICATION MUST BE	DATE 11-06 DATE COMPLETED BEEN MADE TO THIS N.	N/A LAST PERMIT LAST PERMIT	NUMBER NUMBER	EMISSION SOURCE REFERENCE NUMBER EMISSION SOURCE REFERENCE NUMBER TION SINCE THE LAST CONSTRUCTION OR

NOT TO BE USED FOR TITLE V APPLICATIONS



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PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

PL	EASE TYPE OR PRINT, SUBMI	T IN DUPLICA	TE AND	ATTACH TO THE	E PERMIT A	PPLICA	ATION	
	ORGANIZATION NAME lgate-Palmolive Company					FOR	APC	COMPANY-POINT NO.
2. U3	EMISSION SOURCE NO. (AS O	ON PERMIT APP	LICATION	4)	SIC CODE 2844	/// APC	APC	PERMIT/LOG NO.
Ba Ca Mo	DESCRIPTION OF PROCESS OF the ck-up generator- exempt from permitting terpillar odel 3406		G UNIT					
4.	NORMAL OPERATION: →	HOURS/DAY 0	DAYS/\ 0	WEEK	WEEKS/YE 0	AR	DAY 0	S/YEAR
5.	PERCENT ANNUAL THROUGHPUT: →	DECFEB. 25	MARCI 25	H-MAY	JUNE-AUG 25		SEPT 25	rnov.
6.	TYPE OF PERMIT APPLICATION PROCESS SOURCE: APPLY FOR RIGHT, AND COM-	A SEPARATE PI			(CHECK A	T	(CH	ECK BELOW ONE ONLY)
	PROCESS SOURCE WITH IN-P	PROCESS FUEL: ATED. APPLY FO	PRODUCT R A SEPA		R EACH SOL			()
	NON-PROCESS FUEL BURNIN MATERIALS HEA BURNER AND CO	NG SOURCE: PR ATED. COMPLET OMPLETE AN EM	ODUCTS E THIS FO		DO NOT CO DILER OR FU N FORM (A	JEL PC 22)		(X)
7.	TYPE OF OPERATION: CONTI			тсн	NORMAL I TIME		NOR	MAL BATCHES/DAY
8.	PROCESS MATERIAL INPUTS A IN-PROCESS SOLID FUELS	AND DIAG	RAM* RENCE	INPUT RATES DESIGN	(POUNDS/HO		1	(FOR APC USE ONLY) SCC CODE
	A. N/A						1	
	В.						/	
	C.						1	
	D.						1	
	E.				7 .		1	
	F.			3 1 4 2 1	42		1	
	G.						1	
		TOTA	LS				1	

^{*} A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

*** BOILER SERIAL NO. DATE CONSTRUCTED *** BOILER SWITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER. *** BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER. *** CYCLONE, SPREADER (WITH OR WITHOUT REINJECTION), PULLVERZED (WIST OR DRY BOTTOM, WITH OR WITHOUT REINJECTION), OTHER STOKER (SPECIFY TYPE), HAND FIRED, AUTOMATIC, OR OTHER TYPE (DESCRIBE BELOW IN COMMENTS). 10. FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A NON-PROCESS FUEL BURNING SOUR PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE HOURLY USAGE %	9.			ATA: (COMPLETE L									
*** BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER **** CYCLONE, SPREADER (WITH OR WITHOUT REINJECTION), PULVERIZED (WIST OR DRY BOTTOM, WITH OR WITHOUT REINJECTION), OTHER STOKER (SPECIFY TYPE), HAND FIRED, AUTOMATIC, OR OTHER TYPE (DESCRIBE BELOW IN COMMENTS). 10. FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A NON-PROCESS FUEL BURNING SOUR PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE HOURLY USAGE SULFUR ASH OF FUEL TYPE (S) (SPECIFY) FUELS USED ANNUAL USAGE DISSIGN AVERAGE SULFUR ASH OF FUEL (F) NATURAL GAS: 10° CUFT CUFT CUFT () / / / / / / / / / / / / / / / / / /	U3		NUMBER**	Reciprocating Interne		HORSEPOWER CAPACITY (SPECIFY CAPACITY A							
****CYCLONE, SPREADER (WITH OR WITHOUT REINJECTION), PULVERIZED (WET OR DRY BOTTOM, WITHOUT REINJECTION), OTHER TYPE (DESCRIBE BELOW IN COMMENTS). 10. FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A NON-PROCESS FUEL BURNING SOUR PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE HOURLY USAGE STANDBY FUEL TYPE (S) (SPECIFY) FUELS USED ANNUAL USAGE HOURLY USAGE HO		BOILER SE	ERIAL NO.	DATE CONSTRUCT	TED	DATE OF	LAST MOI	ST MODIFICATION (EXPLAIN IN CO		EXPLAIN IN COMM	MENTS BELOW).		
10. FUEL DATA: (COMPLETE FOR A PROCESS SOURCE WITH IN-PROCESS FUEL OR A NON-PROCESS FUEL BURNING SOUR PRIMARY FUEL TYPE (SPECIFY) FUELS USED ANNUAL USAGE DESIGN AVERAGE SULFUR ASH OF FUEL NATURAL GAS: 10 ⁶ CUFT C		*** CYCLO REINJE	ONE, SPREADE	R (WITH OR WITHOU	UT REINJECT	TION), PULVER	NIZED (WI	ET OR I	DRY B	OTTOM, WITH OR TYPE (DESCRIBE)	WITHOUT BELOW		
FUELS USED ANNUAL USAGE DESIGN AVERAGE SULFUR ASH OF FUEL OF FUEL NATURAL GAS: 10° CUFT CUFT CUFT / / / / / / / / / / / / / / / / / / /	10.			TE FOR A PROCESS S	OURCE WIT	H IN-PROCESS	FUEL OR	A NON	4-PROC	CESS FUEL BURNIN	NG SOURCE)		
DESIGN AVERAGE SULFUR ASH OF FUEL NATURAL GAS: 10 ⁵ CUFT CUFT CUFT / / / / / / / / 1,000 #2 FUEL OIL: 10 ¹ GAL GAL GAL GAL / / / / / / / / #5 FUEL OIL: 10 ³ GAL GAL GAL / / / / / / / / / / / / #6 FUEL OIL: 10 ³ GAL GAL GAL / / / / / / / / / / / / / #6 FUEL OIL: 10 ³ GAL GAL GAL / / / / / / / / / / / / COAL: TONS LBS LBS / / / / / / / / / / LIQUID PROPANE: 10 ³ GAL GAL GAL / / / / / / / / / OTHER (SPECIFY TYPE & UNITS.):		PRIMARY	FUEL TYPE (S	PECIFY)			STAND	BY FUI	EL TYI	PE(S)(SPECIFY)			
DESIGN AVERAGE SULFUR ASH OF FUEL NATURAL GAS: 10 ⁶ CUFT CUFT CUFT / / / / / / 1,000 #2 FUEL OIL: 10 ³ GAL GAL GAL GAL / / 137,000 #5 FUEL OIL: 10 ³ GAL GAL GAL / / / / / / / / #6 FUEL OIL: 10 ³ GAL GAL GAL / / / / / / / / #6 FUEL OIL: 10 ³ GAL GAL GAL / / / / / / / / / / / COAL: TONS LBS LBS / / / / / / / / / / / / / / / / / /				T					0/ 1	permana I	T (COD ADC ONLY		
NATURAL GAS: 10° CUFT CUFT (1/1/ / 1,000 1,0		FUELS USI	ED	ANNUAL USAGE			1	10		The second secon	(FOR APC ONLY SCC CODE		
#2 FUEL OIL: 10 ³ GAL		NATURAL	GAS:	106 CUFT			111	1 1	1		SCC CODE		
#5 FUEL OIL: 10³ GAL GAL // / #6 FUEL OIL: 10³ GAL GAL GAL // / COAL: TONS LBS LBS // // / LIQUID PROPANE: 10³ GAL GAL // / / LIQUID PROPANE: 10³ GAL GAL // / / OTHER (SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF BARK 11. IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER. 13. COMMENTS 14. COMMENTS 15. COMMENTS		#2 FUEL O	IL:				0.5	1	1	137,000			
COAL: TONS LBS LBS WOOD: TONS LBS LBS //// /// /// // LIQUID PROPANE: 10 ³ GAL GAL GAL GAL //// /// // S5,000 OTHER (SPECIFY TYPE & AND ESTIMATE PERCENT BY WEIGHT OF BARK 11. IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER. 13. COMMENTS 1400-3-9 (04)(f)(37) source is exempt from permitting.		#5 FUEL O	IL:	10 ³ GAL	GAL	GAL		1	1				
WOOD: TONS LBS LBS //// /// /// // LIQUID PROPANE: 10 ³ GAL GAL GAL GAL //// /// // // // // // // // // // /		#6 FUEL O	IL:	10 ³ GAL	GAL	GAL		1					
LIQUID PROPANE: 10 ³ GAL GAL //// // 85,000 OTHER (SPECIFY TYPE & UNITS.): 11. IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF BARK 12. IF WOOD IS USED WITH OTHER FUELS, SPECIFY PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER. 13. COMMENTS 1200-3-9 (04)(f)(37) source is exempt from permitting.		COAL:		TONS	LBS	LBS							
LIQUID PROPANE: 10 ³ GAL GAL / / / / / 85,000 OTHER (.SPECIFY TYPE & UNITS.): 11. IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF BARK 12. IF WOOD IS USED WITH OTHER FUELS, SPECIFY PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER. 13. COMMENTS 1200-3-9 (04)(f)(37) source is exempt from permitting.		WOOD:		TONS	LBS	LBS	1	1 1					
OTHER (.SPECIFY TYPE & UNITS.): 11. IF WOOD IS USED AS A FUEL, SPECIFY TYPES AND ESTIMATE PERCENT BY WEIGHT OF BARK 12. IF WOOD IS USED WITH OTHER FUELS, SPECIFY PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER. 13. COMMENTS 1200-3-9 (04)(f)(37) source is exempt from permitting.		LIQUID PR	OPANE:	10 ³ GAL	GAL	GAL		1 1	/	85,000			
12. IF WOOD IS USED WITH OTHER FUELS, SPECIFY PERCENT BY WEIGHT OF WOOD CHARGED TO THE BURNER. 13. COMMENTS 1200-3-9 (04)(f)(37) source is exempt from permitting.								Í					
13. COMMENTS 1200-3-9 (04)(f)(37) source is exempt from permitting.	11.	IF WOOD	IS USED AS A	FUEL, SPECIFY TY	PES AND ES	TIMATE PER	CENT BY	WEIGI	HT OF	BARK			
1200-3-9 (04)(f)(37) source is exempt from permitting.	12.	IF WOOD	IS USED WITI	I OTHER FUELS, SP	ECIFY PERC	CENT BY WER	GHT OF W	YOOD	CHAR	GED TO THE BUR	NER.		
1200-3-9 (04)(f)(37) source is exempt from permitting.								1.00					
	13.	COMMEN	TS										
14. SIGNATURE DATE	1200	0-3-9 (04)(f)(37) source is exe	empt from permitting.									
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14. SIGNATURE DATE													
	14.	SIGNATUI	RE		16.15				1 11		DATE		

NOT TO BE USED FOR TITLE V APPLICATIONS



9th Floor, 1. & C Annex 401 Church Street Nashville, TN 37243-1531 Telephone: (615) 532-0554 FAX: (615) 532-0614

EMISSION POINT DESCRIPTION

		CATE FOR EACH STA	ACK OR EMISSION	POINT.				
E .	1011.			FOR	32-6	NY POINT NO. 1238-0		
, (FROM APPL	LICATION)	FLOW DIAGRAM POINT NUMBER ///			APC SEQUENCE NO.			
LATITUDE LONGITUDE UTM VERTICAL						ONTAL		
T DESCRIPT	ION (ATTACH	A SKETCH IF APPROP	RIATE):					
IF DIFFERENT	FROM THAT	ON THE PROCESS OR	FUEL BURNING SOU	RCE DESCRIPTION	ON (APC 21)			
		DAYS/WEEK 0	WEEK/YEAR 0					
DECFEB. 25	MARCH-MAY JUNE-AUG. 25 25				SEPTNOV. 25			
GRADE (F		DIAMETER (FT)	TEMPERATURE (°F)	(°F) OVER 125°F		DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up		
FLOW (ACT FT ³ /MIN.)	UAL	VELOCITY (FT/SEC)	VELOCITY MOISTURE (GRAINS/FT³)			MOISTURE (PERCENT)		
FLOW (DRY FT³/MIN)	STD.	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)			
1500	40				1			
EMISSIONS AVERAGE		CONCENTRATION	AVG. EMISSIONS (TONS/YR)	EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%		
	0.04	**	0.01	5	None			
	0.26		0.26	5	Nonc			
	0.37		0.09	5	None			
0.06 0.02 5			5	None				
	4.14		1.03	5	Nonc			
					1			
10 30			7 - 74					
	T APPLICAT C. (FROM APPLICAT T DESCRIPT IF DIFFERENT HOURS/DA' O DECFEB. 25 HEIGHT AB GRADE (FILL FLOW (ACT FT'S/MIN.) 3750 FLOW (DRY FT'S/MIN) 1500 EMISSIONS	T APPLICATION. C. (FROM APPLICATION) LATITUDE T DESCRIPTION (ATTACH m permitting IF DIFFERENT FROM THAT (ACTORDAY) DECFEB. 25 HEIGHT ABOVE GRADE (FT) 12 FLOW (ACTUAL FT3/MIN.) 3750 FLOW (DRY STD. FT3/MIN) 1500 ACTUAL FT3/MIN) 1500 ACTUAL FT3/MIN) 1500 ACTUAL FT3/MIN) 1004 0.04 0.26 0.37 0.06	TAPPLICATION. C. (FROM APPLICATION) LATITUDE LONGITUDE T DESCRIPTION (ATTACH A SKETCH IF APPROP m permitting F DIFFERENT FROM THAT ON THE PROCESS OR HOURS/DAY O DECFEB. 25 HEIGHT ABOVE GRADE (FT) 12 O.5 FLOW (ACTUAL FT³/MIN.) FLOW (DRY STD. FLOW (DRY STD. FLOW (DRY STD. FT³/MIN) SMERIESIONS (LBS/HR) AVERAGE MARCH-MAY 25 DIAMETER (FT) (FT/SEC) 120 ACTUAL EMISSIONS EMISSIONS (LBS/HR) AVERAGE O.04 *** O.06 PPM O.06 PPM O.06	TAPPLICATION. IF COMMAPPLICATION) FLOW DIAGRAM POINT NUMBER LATITUDE LONGITUDE UTM VERTICAL UT	FOR FOR FLOW DIAGRAM POINT NUMBER FOR FOR FLOW DIAGRAM POINT NUMBER FLOW DIAGRAM PROPRIATE FLOW DIAGRAM POINT NUMBER FLOW DIAGRAM POIN	APC COMPA Compa		

9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE AT	TACHED:
OPACITY MONITOR (), SO2 MONITOR (), NOX MONITOR (), OTHER (SPECIFY	Y IN COMMENTS) ()
10. COMMENTS	
Emissions based on manufacturers data at maximum firing rate and 500 hours of operation per year per	EPA guidance for back-up generators.
11. SIGNATURE	DATE

- * REFER TO THE BACK OF THE PERMIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES.

 ** EXIT GAS PARTICULATE CONCENTRATION UNITS: PROCESS GRAINS/DRY STANDARD FT3 (70°F); WOOD FIRED BOILERS —

 GRAINS/DRY STANDARD FT3 (70°F); ALL OTHER BOILERS LBS/MILLION BTU HEAT INPUT.

 *** EXIT GAS PULFUR DIOXIDE CONCENTRATIONS UNITS: PROCESS PPM BY VOLUME, DRY BASES; BOILERS LBS/MILLION BTU HEAT

Colgate-Palmolive Company Back-up Generator 400 KW

HP-HR = 536 4087

HE-HK-	ortho br	lb/hr	ton/yr**	
	gr/hp-hr	gr/hr		
NOx	3.5	1877.431	4.135	1.034
CO	0.31	166.287	0.366	0.092
HC	0.05	26.820	0.059	0.015
PM	0.031	16.629	0.037	0.009
SO2*	0.05%	37.200	0.262	0.066

^{*} SO2 emissions are based on sulfur content and max fuel usage per hour

** Tons per year are based on maximum of 500 hours per year for back up generator in accordance with EPA guidance