



**COLGATE-PALMOLIVE COMPANY**

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

JUL 14 2006

32-0238  
60175

July 10, 2006

Barry Stephens, Technical Secretary  
Tennessee Air Pollution Control Division  
9<sup>th</sup> Floor, L & C Annex  
401 Church Street  
Nashville, Tennessee 37243-1531

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

Dear Mr. Stephens:

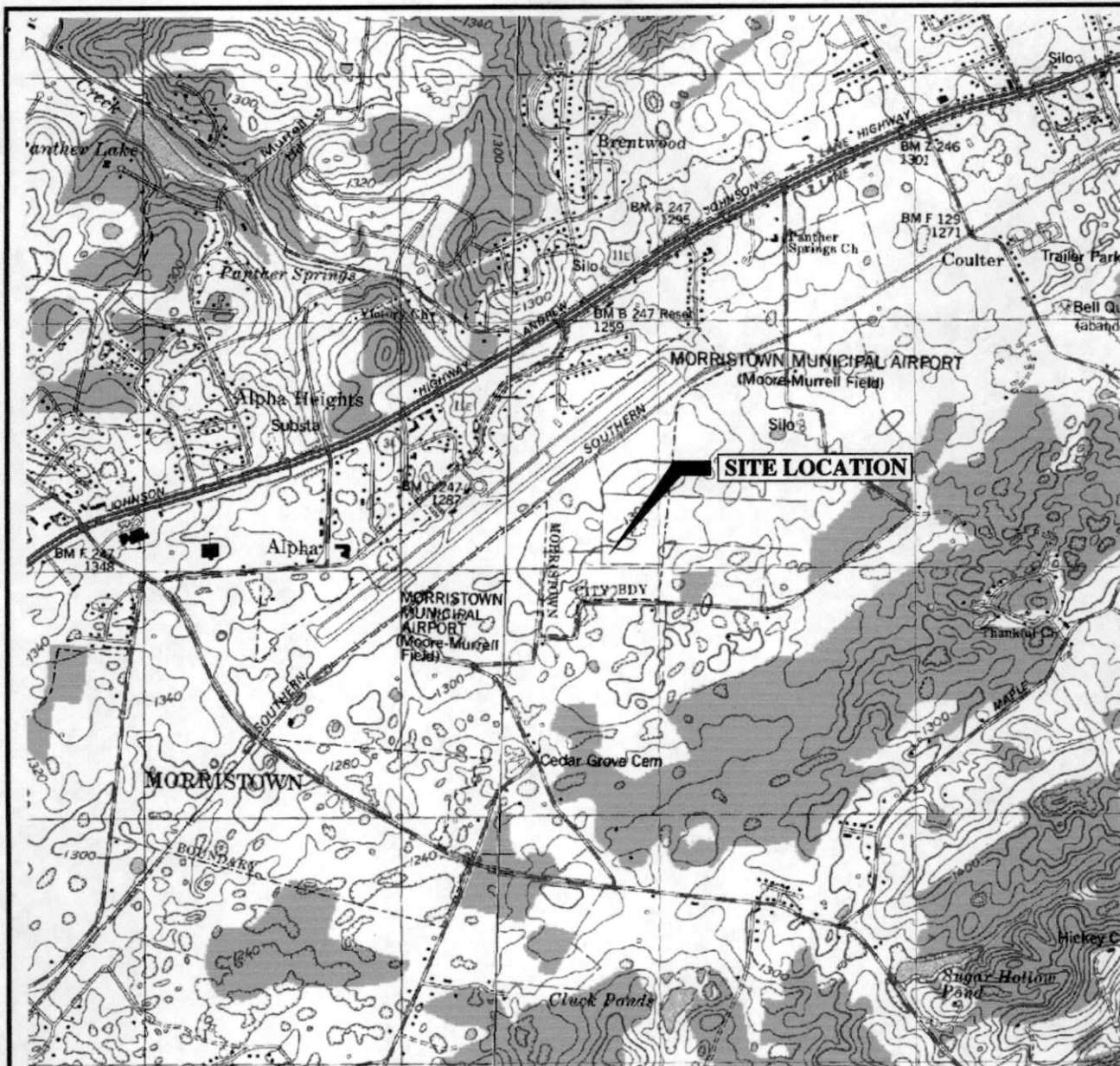
Attached you will find an application to construct a dental cream manufacturing facility in Morristown, Tennessee. Colgate-Palmolive and/or its representatives will be in touch with your staff soon to assist in the development of this permit.

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,

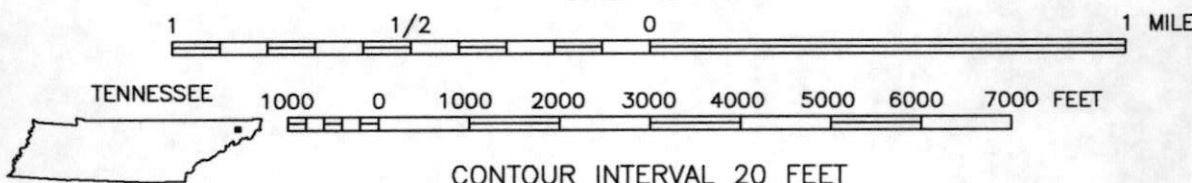
Alvaro Cantillo  
Plant Manager

Don.Haynes@ERM.com



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: 1983 Morristown

SCALE 1:24000



CONTOUR INTERVAL 20 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION



**Environmental  
Resources  
Management**

## PROPOSED SITE LOCATION

Colgate-Palmolive  
Morristown, Tennessee

FIGURE

**1**

 **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 26 2006

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*

John A. Trimmer, Chief  
East Tennessee Permit Program  
JAT/JDM APC-106

cc: Knoxville Environmental Field Office





NOT TO BE USED FOR TITLE V APPLICATIONS

PERMIT APPLICATION

JUL 14 2006

APC 20

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH EMISSION SOURCE. ATTACH APPROPRIATE SOURCE DESCRIPTION FORMS.

1. ORGANIZATION'S LEGAL NAME Colgate-Palmolive Company			/// FOR	APC COMPANY-POINT NO. 32-0238-01
2. MAILING ADDRESS (ST/RD/P.O. BOX) 1410 S. Clark Blvd.			/// APC	APC LOG/PERMIT NO. 60175
CITY Jeffersonville	STATE IN	ZIP CODE 47131	PHONE WITH AREA CODE 812-284-8241	
3. PRINCIPAL TECHNICAL CONTACT Eric Ikenberry			PHONE WITH AREA CODE 812-284-8241	
4. SITE ADDRESS (ST/RD/HWY)			COUNTY NAME Hamblen	
CITY OR DISTANCE TO NEAREST TOWN Morristown		ZIP CODE 37816	PHONE WITH AREA CODE 812-284-8241	
5. EMISSION SOURCE NO. (NUMBER WHICH UNIQUELY IDENTIFIES THIS SOURCE)		PERMIT RENEWAL YES ( ) NO (X)		
6. BRIEF DESCRIPTION OF EMISSION SOURCE Construction of a new dental cream manufacturing facility including: boilers, storage silos with fabric filter control on conveying equipment, various material handling processes and various minor sources exempt from permitting.				

7. TYPE OF PERMIT REQUESTED				
CONSTRUCTION (X)	STARTING DATE 04-06	COMPLETION DATE 11-06	LAST PERMIT NUMBER N/A	EMISSION SOURCE REFERENCE NUMBER
OPERATING ( )	DATE CONSTRUCTION STARTED	DATE COMPLETED	LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
LOCATION TRANSFER ( )	TRANSFER DATE		LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
ADDRESS OF LAST LOCATION				

8. DESCRIBE CHANGES THAT HAVE BEEN MADE TO THIS EQUIPMENT OR OPERATION SINCE THE LAST CONSTRUCTION OR OPERATING PERMIT APPLICATION. N/A
--

9. SIGNATURE (APPLICATION MUST BE SIGNED BEFORE IT WILL BE PROCESSED) <i>Amil Gantilo</i>		DATE 7/10/06
10. SIGNER'S NAME (TYPE OR PRINT) AMAR J. GANTILLO	TITLE PLANT MANAGER	PHONE WITH AREA CODE 423 - 946 - 0814

(OVER)

Copy all one file



NOT TO BE USED FOR TITLE V APPLICATIONS

# PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

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

1. ORGANIZATION NAME Colgate-Palmolive Company		/// FOR	APC COMPANY-POINT NO.
2. EMISSION SOURCE NO. (AS ON PERMIT APPLICATION) TF 1	SIC CODE 2844	/// APC	APC PERMIT/LOG NO.
3. DESCRIPTION OF PROCESS OR FUEL BURNING UNIT XWA 650 Silo			

4. NORMAL OPERATION: →	HOURS/DAY 24	DAYS/WEEK 1	WEEKS/YEAR 52	DAYS/YEAR 52
5. PERCENT ANNUAL THROUGHPUT: →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25
6. TYPE OF PERMIT APPLICATION				(CHECK BELOW ONE ONLY)
PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14).				(X )
PROCESS SOURCE WITH IN-PROCESS FUEL: PRODUCTS OF COMBUSTION CONTACT MATERIALS HEATED. APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, AND 10 THROUGH 14)				( )
NON-PROCESS FUEL BURNING SOURCE: PRODUCTS OF COMBUSTION DO NOT CONTACT MATERIALS HEATED. COMPLETE THIS FORM FOR EACH BOILER OR FUEL BURNER AND COMPLETE AN EMISSION POINT DESCRIPTION FORM (APC 22) FOR EACH STACK. (CHECK AT RIGHT, AND COMPLETE LINES 9 TO 14)				( )
7. TYPE OF OPERATION: CONTINUOUS, ( )		BATCH (X )		NORMAL BATCH TIME
8. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS		DIAGRAM* REFERENCE	INPUT RATES (POUNDS/HOUR)	
			DESIGN	ACTUAL
A.	Silica		35,000	35,000
B.				
C.				
D.				
E.				
F.				
G.				
TOTALS				

\* A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

( OVER )

9. BOILER OR BURNER DATA: ( COMPLETE LINES 9 TO 14 USING A SEPARATE FORM FOR EACH BOILER )					
BOILER NUMBER	STACK NUMBER**	TYPE OF FIRING***	RATED BOILER HORSEPOWER	RATED INPUT CAPACITY (10 <sup>6</sup> BTU/HR)	OTHER BOILER RATING (SPECIFY CAPACITY AND UNITS)
BOILER SERIAL NO.		DATE CONSTRUCTED	DATE OF LAST MODIFICATION (EXPLAIN IN COMMENTS BELOW).		

\*\* BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER.

\*\*\* CYCLONE, SPREADER ( WITH OR WITHOUT REINJECTION ), PULVERIZED ( WET 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 SOURCE )							
PRIMARY FUEL TYPE ( SPECIFY )				STANDBY FUEL TYPE( S ) ( SPECIFY )			
FUELS USED	ANNUAL USAGE	HOURLY USAGE		% SULFUR	% ASH	BTU VALUE OF FUEL	(FOR APC ONLY) SCC CODE
		DESIGN	AVERAGE				
NATURAL GAS:	10 <sup>6</sup> CUFT	CUFT	CUFT	/ / / / / / / /	/ / / / / /	1,000	
#2 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / / / /		
#5 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / / / /		
#6 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / / / /		
COAL:	TONS	LBS	LBS				
WOOD:	TONS	LBS	LBS	/ / / / / / / /	/ / / / / /		
LIQUID PROPANE:	10 <sup>3</sup> GAL	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

14. SIGNATURE	DATE
---------------	------





NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

1. ORGANIZATION NAME Colgate-Palmolive Company				/// FOR APC	APC COMPANY POINT NO.
2. EMISSION SOURCE NO. (FROM APPLICATION) TF 1		FLOW DIAGRAM POINT NUMBER		/// APC	APC SEQUENCE NO.
3. LOCATION: →	LATITUDE	LONGITUDE	UTM VERTICAL		UTM HORIZONTAL
4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE): XWA 650 Silo Baghouse (bin vent). Used only during silo loading operations for pneumatic transfer.					DISTANCE TO NEAREST PROPERTY LINE (FT) 285

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

5. NORMAL OPERATION: →	HOURS/DAY 24	DAYS/WEEK 1	WEEK/YEAR 52	DAYS/YEAR 52			
6. PERCENT ANNUAL THROUGHPUT: →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25			
7. STACK OR EMISSION POINT DATA: →	HEIGHT ABOVE GRADE (FT) 50	DIAMETER (FT) 1	TEMPERATURE (°F) Ambient	% OF TIME OVER 125°F 0			
DATA AT EXIT CONDITIONS: →	FLOW (ACTUAL FT <sup>3</sup> /MIN.) 800	VELOCITY (FT/SEC) 15	MOISTURE (GRAINS/FT <sup>3</sup> ) Ambient	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Horizontal			
DATA AT STANDARD CONDITIONS: →	FLOW (DRY STD. FT <sup>3</sup> /MIN) 800	VELOCITY (FT/SEC) 15	MOISTURE (GRAINS/FT <sup>3</sup> ) Ambient	MOISTURE (PERCENT) Ambient			
8. AIR CONTAMINANTS	ACTUAL EMISSIONS				EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%
	EMISSIONS (LBS/HR)		CONCENTRATION	AVG. EMISSIONS (TONS/YR)			
	AVERAGE	MAXIMUM					
PARTICULATES	0.16	0.16	**	0.18	4	018	95+
SULFUR DIOXIDE			***				
CARBON MONOXIDE			PPM				
ORGANIC COMPOUNDS			PPM				
NITROGEN OXIDES			PPM				
FLUORIDES							
OTHER( SPECIFY )							
OTHER( SPECIFY )							

( OVER )



---

**9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTACHED:**OPACITY MONITOR (    ), SO<sub>2</sub> MONITOR (    ), NOX MONITOR (    ), OTHER (SPECIFY IN COMMENTS) (    )

---

**10. COMMENTS**

Emissions occur only during silo loading by pneumatic transfer operations through a bin vent that is process equipment and not control equipment

---

**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 FT<sup>3</sup> ( 70°F ); WOOD FIRED BOILERS — GRAINS/DRY STANDARD FT<sup>3</sup> ( 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 INPUT.



NOT TO BE USED FOR TITLE V APPLICATIONS

## PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

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

1. ORGANIZATION NAME Colgate-Palmolive Company		/// FOR	APC COMPANY-POINT NO.
2. EMISSION SOURCE NO. (AS ON PERMIT APPLICATION) TF 2		SIC CODE 2844	/// APC APC PERMIT/LOG NO.
3. DESCRIPTION OF PROCESS OR FUEL BURNING UNIT Zeodent silo			
4. NORMAL OPERATION: →	HOURS/DAY 24	DAYS/WEEK 1	WEEKS/YEAR 52
5. PERCENT ANNUAL THROUGHPUT: →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25
6. TYPE OF PERMIT APPLICATION			(CHECK BELOW ONE ONLY)
PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14).			(X)
PROCESS SOURCE WITH IN-PROCESS FUEL: PRODUCTS OF COMBUSTION CONTACT MATERIALS HEATED. APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, AND 10 THROUGH 14)			( )
NON-PROCESS FUEL BURNING SOURCE: PRODUCTS OF COMBUSTION DO NOT CONTACT MATERIALS HEATED. COMPLETE THIS FORM FOR EACH BOILER OR FUEL BURNER AND COMPLETE AN EMISSION POINT DESCRIPTION FORM (APC 22) FOR EACH STACK. (CHECK AT RIGHT, AND COMPLETE LINES 9 TO 14)			( )
7. TYPE OF OPERATION: CONTINUOUS, ( )		BATCH (X)	NORMAL BATCH TIME NORMAL BATCHES/DAY
8. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS	DIAGRAM* REFERENCE	INPUT RATES (POUNDS/HOUR) DESIGN ACTUAL	
A. Zeodent		35,000	35,000
B.			
C.			
D.			
E.			
F.			
G.			
TOTALS			

\* A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

( OVER )

APC 21 (& 24)

9. BOILER OR BURNER DATA: ( COMPLETE LINES 9 TO 14 USING A SEPARATE FORM FOR EACH BOILER )					
BOILER NUMBER	STACK NUMBER**	TYPE OF FIRING***	RATED BOILER HORSEPOWER	RATED INPUT CAPACITY (10 <sup>6</sup> BTU/HR)	OTHER BOILER RATING (SPECIFY CAPACITY AND UNITS)
BOILER SERIAL NO.		DATE CONSTRUCTED	DATE OF LAST MODIFICATION (EXPLAIN IN COMMENTS BELOW).		

\*\* BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER.

\*\*\* CYCLONE, SPREADER ( WITH OR WITHOUT REINJECTION ), PULVERIZED ( WET 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 SOURCE )				STANDBY FUEL TYPE( S ) ( SPECIFY )			
PRIMARY FUEL TYPE ( SPECIFY )							
FUELS USED	ANNUAL USAGE	HOURLY USAGE		% SULFUR	% ASH	BTU VALUE OF FUEL	(FOR APC ONLY) SCC CODE
		DESIGN	AVERAGE				
NATURAL GAS:	10 <sup>6</sup> CUFT	CUFT	CUFT	/ / / / / / / /	/ / / /	1,000	
#2 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / /		
#5 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / /		
#6 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		/ / / /		
COAL:	TONS	LBS	LBS				
WOOD:	TONS	LBS	LBS	/ / / / / / / /	/ / / /		
LIQUID PROPANE:	10 <sup>3</sup> GAL	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

14. SIGNATURE	DATE
---------------	------





NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

1. ORGANIZATION NAME Colgate-Palmolive Company				/// FOR APC	APC COMPANY POINT NO.
2. EMISSION SOURCE NO. (FROM APPLICATION) TF2		FLOW DIAGRAM POINT NUMBER		/// APC	APC SEQUENCE NO.
3. LOCATION: →	LATITUDE	LONGITUDE	UTM VERTICAL 4006200	UTM HORIZONTAL 286628	
4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE): Zeodent silo baghouse (bin vent) Used only during silo operation for pneumatic transfer					DISTANCE TO NEAREST PROPERTY LINE (FT) 285

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

5. NORMAL OPERATION: →	HOURS/DAY 24	DAYS/WEEK 1	WEEK/YEAR 52	DAYS/YEAR 52			
6. PERCENT ANNUAL THROUGHPUT: →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25			
7. STACK OR EMISSION POINT DATA: →	HEIGHT ABOVE GRADE (FT) 50	DIAMETER (FT) 1	TEMPERATURE (°F) Ambient	% OF TIME OVER 125°F 0	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Horizontal		
DATA AT EXIT CONDITIONS: →	FLOW (ACTUAL FT <sup>3</sup> /MIN.) 800	VELOCITY (FT/SEC) 15	MOISTURE (GRAINS/FT <sup>3</sup> ) Ambient	MOISTURE (PERCENT) Ambient			
DATA AT STANDARD CONDITIONS: →	FLOW (DRY STD. FT <sup>3</sup> /MIN.) 800	VELOCITY (FT/SEC) 15	MOISTURE (GRAINS/FT <sup>3</sup> ) Ambient	MOISTURE (PERCENT) Ambient			
8. AIR CONTAMINANTS	ACTUAL EMISSIONS			EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
	EMISSIONS (LBS/HR) AVERAGE      MAXIMUM		CONCENTRATION				AVG. EMISSIONS (TONS/YR)
PARTICULATES	0.16	0.16	**	0.18	4	018	95+
SULFUR DIOXIDE			***				
CARBON MONOXIDE			PPM				
ORGANIC COMPOUNDS			PPM				
NITROGEN OXIDES			PPM				
FLUORIDES							
OTHER( SPECIFY )							
OTHER( SPECIFY )							

( OVER )



NOT TO BE USED FOR TITLE V APPLICATIONS

JUL 14 2006

PERMIT APPLICATION

APC 20

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH EMISSION SOURCE. ATTACH APPROPRIATE SOURCE DESCRIPTION FORMS.

1. ORGANIZATION'S LEGAL NAME Colgate-Palmolive Company			/// FOR	APC COMPANY--POINT NO. 32-0238-01
2. MAILING ADDRESS (ST/RD/P.O. BOX) 1410 S. Clark Blvd.			/// APC	APC LOG/PERMIT NO. 60175
CITY Jeffersonville	STATE IN	ZIP CODE 47131	PHONE WITH AREA CODE 812-284-8241	
3. PRINCIPAL TECHNICAL CONTACT Eric Ikenberry			PHONE WITH AREA CODE 812-284-8241	
4. SITE ADDRESS (ST/RD/HWY)			COUNTY NAME Hamblen	
CITY OR DISTANCE TO NEAREST TOWN Morristown		ZIP CODE 37816	PHONE WITH AREA CODE 812-284-8241	
5. EMISSION SOURCE NO. (NUMBER WHICH UNIQUELY IDENTIFIES THIS SOURCE)		PERMIT RENEWAL YES ( ) NO (X)		
6. BRIEF DESCRIPTION OF EMISSION SOURCE Construction of a new dental cream manufacturing facility including: boilers, storage silos with fabric filter control on conveying equipment, various material handling processes and various minor sources exempt from permitting.				

7. TYPE OF PERMIT REQUESTED				
CONSTRUCTION (X)	STARTING DATE 04-06	COMPLETION DATE 11-06	LAST PERMIT NUMBER N/A	EMISSION SOURCE REFERENCE NUMBER
OPERATING ( )	DATE CONSTRUCTION STARTED	DATE COMPLETED	LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
LOCATION TRANSFER ( )	TRANSFER DATE		LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
ADDRESS OF LAST LOCATION				

8. DESCRIBE CHANGES THAT HAVE BEEN MADE TO THIS EQUIPMENT OR OPERATION SINCE THE LAST CONSTRUCTION OR OPERATING PERMIT APPLICATION. N/A
--

9. SIGNATURE (APPLICATION MUST BE SIGNED BEFORE IT WILL BE PROCESSED) [Signature]		DATE 7/10/06
10. SIGNER'S NAME (TYPE OR PRINT) ANABO J. GANTILLO	TITLE PLANT MANAGER	PHONE WITH AREA CODE 423 - 946 - 0814



NOT TO BE USED FOR TITLE V APPLICATIONS

## PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

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

<b>1. ORGANIZATION NAME</b> Colgate-Palmolive Company		/// FOR	APC COMPANY-POINT NO. <b>32-0238-01</b>
<b>2. EMISSION SOURCE NO. (AS ON PERMIT APPLICATION)</b> U1	SIC CODE 2844	/// APC	APC PERMIT/LOG NO. <b>60195</b>
<b>3. DESCRIPTION OF PROCESS OR FUEL BURNING UNIT</b> 800 hp natural gas fired boiler with low-NOx burners and flue gas recirculation			

<b>4. NORMAL OPERATION:</b> →	HOURS/DAY 24	DAYS/WEEK 7	WEEKS/YEAR 52	DAYS/YEAR 365
<b>5. PERCENT ANNUAL THROUGHPUT:</b> →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25
<b>6. TYPE OF PERMIT APPLICATION</b>				(CHECK BELOW ONE ONLY)
PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14).				( )
PROCESS SOURCE WITH IN-PROCESS FUEL: PRODUCTS OF COMBUSTION CONTACT MATERIALS HEATED. APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, AND 10 THROUGH 14)				( )
NON-PROCESS FUEL BURNING SOURCE: PRODUCTS OF COMBUSTION DO NOT CONTACT MATERIALS HEATED. COMPLETE THIS FORM FOR EACH BOILER OR FUEL BURNER AND COMPLETE AN EMISSION POINT DESCRIPTION FORM (APC 22) FOR EACH STACK. (CHECK AT RIGHT, AND COMPLETE LINES 9 TO 14)				(X)
<b>7. TYPE OF OPERATION:</b> CONTINUOUS, (X) ( )		BATCH	NORMAL BATCH TIME	NORMAL BATCHES/DAY
<b>8. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS</b>	DIAGRAM* REFERENCE	INPUT RATES (POUNDS/HOUR) DESIGN ACTUAL		(FOR APC USE ONLY) SCC CODE
A. N/A				/
B.				/
C.				/
D.				/
E.				/
F.				/
G.				/
TOTALS				/

\* A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

(OVER)





NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

<b>1. ORGANIZATION NAME</b> Colgate-Palmolive Company				///	APC COMPANY POINT NO.
				FOR	32-0238-01
<b>2. EMISSION SOURCE NO. (FROM APPLICATION)</b> U1		<b>FLOW DIAGRAM POINT NUMBER</b>		///	APC SEQUENCE NO.
				APC	60175
<b>3. LOCATION:</b>	<b>LATITUDE</b>	<b>LONGITUDE</b>	<b>UTM VERTICAL</b> 4006200	<b>UTM HORIZONTAL</b> 286628	
→					
<b>4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE):</b> Stack from Boiler U1 (Primary boiler)					<b>DISTANCE TO NEAREST PROPERTY LINE (FT)</b>

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

<b>5. NORMAL OPERATION:</b>	<b>HOURS/DAY</b> 24	<b>DAYS/WEEK</b> 7	<b>WEEK/YEAR</b> 52	<b>DAYS/YEAR</b> 365		
→						
<b>6. PERCENT ANNUAL THROUGHPUT:</b>	<b>DEC.-FEB.</b> 25	<b>MARCH-MAY</b> 25	<b>JUNE-AUG.</b> 25	<b>SEPT.-NOV.</b> 25		
→						
<b>7. STACK OR EMISSION POINT DATA:</b>	<b>HEIGHT ABOVE GRADE ( FT )</b>	<b>DIAMETER (FT)</b>	<b>TEMPERATURE (°F)</b>	<b>% OF TIME OVER 125°F</b>	<b>DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up</b>	
→	25	1.5		100		
<b>DATA AT EXIT CONDITIONS:</b>	<b>FLOW (ACTUAL FT<sup>3</sup>/MIN. )</b>	<b>VELOCITY (FT/SEC)</b>	<b>MOISTURE (GRAINS/FT<sup>3</sup>)</b>	<b>MOISTURE (PERCENT)</b>		
→						
<b>DATA AT STANDARD CONDITIONS:</b>	<b>FLOW (DRY STD. FT<sup>3</sup>/MIN)</b>	<b>VELOCITY (FT/SEC)</b>	<b>MOISTURE (GRAINS/FT<sup>3</sup>)</b>	<b>MOISTURE (PERCENT)</b>		
→						
<b>8. AIR CONTAMINANTS</b>	<b>ACTUAL EMISSIONS</b>			<b>EMISSIONS* EST.</b>	<b>CONTROL DEVICES*</b>	<b>CONTROL EFFICIENCY%</b>
	<b>EMISSIONS (LBS/HR)</b>		<b>CONCENTRATION</b>			
	<b>AVERAGE</b>	<b>MAXIMUM</b>				
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
FLUORIDES						68 %
OTHER( SPECIFY )						
OTHER( SPECIFY )						

( OVER )



NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

<b>1. ORGANIZATION NAME</b> Colgate-Palmolive Company				/// FOR	APC COMPANY POINT NO. <b>32-0238-01</b>
<b>2. EMISSION SOURCE NO. (FROM APPLICATION)</b> U2		<b>FLOW DIAGRAM POINT NUMBER</b>		/// APC	APC SEQUENCE NO.
<b>3. LOCATION:</b> →	<b>LATITUDE</b>	<b>LONGITUDE</b>	<b>UTM VERTICAL</b> 4006200	<b>UTM HORIZONTAL</b> 286628	
<b>4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE):</b> Stack from Boiler U2 ( Back up boiler)					<b>DISTANCE TO NEAREST PROPERTY LINE (FT)</b>

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

<b>5. NORMAL OPERATION:</b> →	<b>HOURS/DAY</b> 0	<b>DAYS/WEEK</b> 0	<b>WEEK/YEAR</b> 0	<b>DAYS/YEAR</b> 0		
<b>6. PERCENT ANNUAL THROUGHPUT:</b> →	<b>DEC.-FEB.</b> 25	<b>MARCH-MAY</b> 25	<b>JUNE-AUG.</b> 25	<b>SEPT.-NOV.</b> 25		
<b>7. STACK OR EMISSION POINT DATA:</b> →	<b>HEIGHT ABOVE GRADE ( FT )</b> 25	<b>DIAMETER (FT)</b> 1.5	<b>TEMPERATURE (°F)</b>	<b>% OF TIME OVER 125°F</b> 100	<b>DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL)</b> Up	
<b>DATA AT EXIT CONDITIONS:</b> →	<b>FLOW (ACTUAL FT<sup>3</sup>/MIN. )</b>	<b>VELOCITY (FT/SEC)</b>	<b>MOISTURE (GRAINS/FT<sup>3</sup>)</b>		<b>MOISTURE (PERCENT)</b>	
<b>DATA AT STANDARD CONDITIONS:</b> →	<b>FLOW (DRY STD. FT<sup>3</sup>/MIN)</b>	<b>VELOCITY (FT/SEC)</b>	<b>MOISTURE (GRAINS/FT<sup>3</sup>)</b>		<b>MOISTURE (PERCENT)</b>	
<b>8. AIR CONTAMINANTS</b>	<b>ACTUAL EMISSIONS</b>			<b>EMISSIONS* EST.</b>	<b>CONTROL DEVICES*</b>	<b>CONTROL EFFICIENCY%</b>
	<b>EMISSIONS (LBS/HR)</b>		<b>CONCENTRATION</b>	<b>AVG. EMISSIONS (TONS/YR)</b>		
	<b>AVERAGE</b>	<b>MAXIMUM</b>				
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
FLUORIDES						
OTHER( SPECIFY )						
OTHER( SPECIFY )						

( OVER )

# Boilers





NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

<b>1. ORGANIZATION NAME</b> Colgate-Palmolive Company				///	APC COMPANY POINT NO.
<b>2. EMISSION SOURCE NO. (FROM APPLICATION)</b> U2				FOR	APC SEQUENCE NO.
FLOW DIAGRAM POINT NUMBER				APC	
<b>3. LOCATION:</b> →	LATITUDE	LONGITUDE	UTM VERTICAL 4006200	UTM HORIZONTAL 286628	
<b>4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE):</b> Stack from Boiler U2 ( Back up boiler)					DISTANCE TO NEAREST PROPERTY LINE (FT)  370

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

<b>5. NORMAL OPERATION:</b> →	HOURS/DAY 0	DAYS/WEEK 0	WEEK/YEAR 0	DAYS/YEAR 0			
<b>6. PERCENT ANNUAL THROUGHPUT:</b> →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25			
<b>7. STACK OR EMISSION POINT DATA:</b> →	HEIGHT ABOVE GRADE ( FT ) 25	DIAMETER (FT) 1.5	TEMPERATURE (°F)	% OF TIME OVER 125°F 100	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up		
DATA AT EXIT CONDITIONS: →	FLOW (ACTUAL FT³/MIN. )	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
DATA AT STANDARD CONDITIONS: →	FLOW (DRY STD. FT³/MIN)	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT³)		MOISTURE (PERCENT)		
<b>8. AIR CONTAMINANTS</b>	ACTUAL EMISSIONS				EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%
	EMISSIONS (LBS/HR)		CONCENTRATION	AVG. EMISSIONS (TONS/YR)			
	AVERAGE	MAXIMUM					
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 )							

( OVER )

**9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTACHED:**OPACITY MONITOR (    ), SO<sub>2</sub> MONITOR (    ), NO<sub>x</sub> MONITOR (    ), OTHER (SPECIFY IN COMMENTS) (    )**10. COMMENTS**NO<sub>x</sub> control consists of low NO<sub>x</sub> burners and flue gas recirculation. Boilers U1 and U2 will not operate concurrently.**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 FT<sup>3</sup> ( 70°F ); WOOD FIRED BOILERS — GRAINS/DRY STANDARD FT<sup>3</sup> ( 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 INPUT.



NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

<b>1. ORGANIZATION NAME</b> Colgate-Palmolive Company				///	APC COMPANY POINT NO.
<b>2. EMISSION SOURCE NO. (FROM APPLICATION)</b> U1				FOR	APC SEQUENCE NO.
FLOW DIAGRAM POINT NUMBER				APC	
<b>3. LOCATION:</b> →	LATITUDE	LONGITUDE	UTM VERTICAL 4006200	UTM HORIZONTAL 286628	
<b>4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE):</b> Stack from Boiler U1 (Primary boiler)					DISTANCE TO NEAREST PROPERTY LINE (FT)  370

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

<b>5. NORMAL OPERATION:</b> →	HOURS/DAY 24	DAYS/WEEK 7	WEEK/YEAR 52	DAYS/YEAR 365			
<b>6. PERCENT ANNUAL THROUGHPUT:</b> →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25			
<b>7. STACK OR EMISSION POINT DATA:</b> →	HEIGHT ABOVE GRADE ( FT ) 25	DIAMETER (FT) 1.5	TEMPERATURE (°F)	% OF TIME OVER 125°F 100	DIRECTION OF EXIT (UP, DOWN OR HORIZONTAL) Up		
DATA AT EXIT CONDITIONS: →	FLOW (ACTUAL FT <sup>3</sup> /MIN. )	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT <sup>3</sup> )		MOISTURE (PERCENT)		
DATA AT STANDARD CONDITIONS: →	FLOW (DRY STD. FT <sup>3</sup> /MIN)	VELOCITY (FT/SEC)	MOISTURE (GRAINS/FT <sup>3</sup> )		MOISTURE (PERCENT)		
<b>8. AIR CONTAMINANTS</b>	ACTUAL EMISSIONS				EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%
	EMISSIONS (LBS/HR) AVERAGE      MAXIMUM		CONCENTRATION	AVG. EMISSIONS (TONS/YR)			
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 )							

( OVER )



**9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTACHED:**

OPACITY MONITOR ( ), SO2 MONITOR ( ), NOX MONITOR ( ), OTHER (SPECIFY IN COMMENTS) ( )

**10. COMMENTS**

NOx control consists of low NOx burners and flue gas recirculation.  
Boilers U1 and U2 will not operate concurrently.

**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 INPUT.



NOT TO BE USED FOR TITLE V APPLICATIONS

## PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

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

<b>1. ORGANIZATION NAME</b> Colgate-Palmolive Company		/// FOR	APC COMPANY-POINT NO. <b>32-0238-01</b>
<b>2. EMISSION SOURCE NO. (AS ON PERMIT APPLICATION)</b> U2	SIC CODE 2844	/// APC	APC PERMIT/LOG NO.

**3. DESCRIPTION OF PROCESS OR FUEL BURNING UNIT**  
800 hp natural gas fired boiler with low-NOx burners and flue gas recirculation  
Backup boiler to U1 which is primary

<b>4. NORMAL OPERATION:</b> →	HOURS/DAY 24	DAYS/WEEK 7	WEEKS/YEAR 52	DAYS/YEAR 365
<b>5. PERCENT ANNUAL THROUGHPUT:</b> →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25

<b>6. TYPE OF PERMIT APPLICATION</b>	(CHECK BELOW ONE ONLY)
PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14).	( )
PROCESS SOURCE WITH IN-PROCESS FUEL: PRODUCTS OF COMBUSTION CONTACT MATERIALS HEATED. APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, AND 10 THROUGH 14)	( )
NON-PROCESS FUEL BURNING SOURCE: PRODUCTS OF COMBUSTION DO NOT CONTACT MATERIALS HEATED. COMPLETE THIS FORM FOR EACH BOILER OR FUEL BURNER AND COMPLETE AN EMISSION POINT DESCRIPTION FORM (APC 22) FOR EACH STACK. (CHECK AT RIGHT, AND COMPLETE LINES 9 TO 14)	(X)

<b>7. TYPE OF OPERATION:</b> CONTINUOUS, BATCH	NORMAL BATCH TIME	NORMAL BATCHES/DAY
(X) ( )		
<b>8. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS</b>	DIAGRAM* REFERENCE	INPUT RATES (POUNDS/HOUR) DESIGN ACTUAL
A.		/
N/A		/
B.		/
C.		/
D.		/
E.		/
F.		/
G.		/
TOTALS		/

\* A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

( OVER )



NOT TO BE USED FOR TITLE V APPLICATIONS

JUL 14 2006

PERMIT APPLICATION

APC 20

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH EMISSION SOURCE. ATTACH APPROPRIATE SOURCE DESCRIPTION FORMS.

1. ORGANIZATION'S LEGAL NAME Colgate-Palmolive Company			/// FOR	APC COMPANY-POINT NO. 32-0238-01
2. MAILING ADDRESS (ST/RD/P.O. BOX) 1410 S. Clark Blvd.			/// APC	APC LOG/PERMIT NO. 60175
CITY Jeffersonville	STATE IN	ZIP CODE 47131	PHONE WITH AREA CODE 812-284-8241	
3. PRINCIPAL TECHNICAL CONTACT Eric Ikenberry			PHONE WITH AREA CODE 812-284-8241	
4. SITE ADDRESS (ST/RD/HWY)			COUNTY NAME Hamblen	
CITY OR DISTANCE TO NEAREST TOWN Morristown		ZIP CODE 37816	PHONE WITH AREA CODE 812-284-8241	
5. EMISSION SOURCE NO. (NUMBER WHICH UNIQUELY IDENTIFIES THIS SOURCE)		PERMIT RENEWAL YES ( ) NO (X)		
6. BRIEF DESCRIPTION OF EMISSION SOURCE Construction of a new dental cream manufacturing facility including: boilers, storage silos with fabric filter control on conveying equipment, various material handling processes and various minor sources exempt from permitting.				

7. TYPE OF PERMIT REQUESTED				
CONSTRUCTION (X)	STARTING DATE 04-06	COMPLETION DATE 11-06	LAST PERMIT NUMBER N/A	EMISSION SOURCE REFERENCE NUMBER
OPERATING ( )	DATE CONSTRUCTION STARTED	DATE COMPLETED	LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
LOCATION TRANSFER ( )	TRANSFER DATE		LAST PERMIT NUMBER	EMISSION SOURCE REFERENCE NUMBER
ADDRESS OF LAST LOCATION				

8. DESCRIBE CHANGES THAT HAVE BEEN MADE TO THIS EQUIPMENT OR OPERATION SINCE THE LAST CONSTRUCTION OR OPERATING PERMIT APPLICATION. N/A
--

9. SIGNATURE (APPLICATION MUST BE SIGNED BEFORE IT WILL BE PROCESSED) Am/Gmuh		DATE 7/10/06
10. SIGNER'S NAME (TYPE OR PRINT) ANARO J. GANTILO	TITLE PLANT MANAGER	PHONE WITH AREA CODE 423 - 946 - 0814.

(OVER)





NOT TO BE USED FOR TITLE V APPLICATIONS

## PROCESS OR FUEL BURNING SOURCE DESCRIPTION

APC21(& 24)

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

1. ORGANIZATION NAME Colgate-Palmolive Company			/// FOR	APC COMPANY-POINT NO.
2. EMISSION SOURCE NO. (AS ON PERMIT APPLICATION) U3		SIC CODE 2844	/// APC	APC PERMIT/LOG NO.
3. DESCRIPTION OF PROCESS OR FUEL BURNING UNIT Back up generator- exempt from permitting  Caterpillar Model 3406 400KW				
4. NORMAL OPERATION: →	HOURS/DAY 0	DAYS/WEEK 0	WEEKS/YEAR 0	DAYS/YEAR 0
5. PERCENT ANNUAL THROUGHPUT: →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25
6. TYPE OF PERMIT APPLICATION				(CHECK BELOW ONE ONLY)
PROCESS SOURCE: APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, 13, AND 14).				( )
PROCESS SOURCE WITH IN-PROCESS FUEL: PRODUCTS OF COMBUSTION CONTACT MATERIALS HEATED. APPLY FOR A SEPARATE PERMIT FOR EACH SOURCE. (CHECK AT RIGHT, AND COMPLETE LINES 7, 8, AND 10 THROUGH 14)				( )
NON-PROCESS FUEL BURNING SOURCE: PRODUCTS OF COMBUSTION DO NOT CONTACT MATERIALS HEATED. COMPLETE THIS FORM FOR EACH BOILER OR FUEL BURNER AND COMPLETE AN EMISSION POINT DESCRIPTION FORM (APC 22) FOR EACH STACK. (CHECK AT RIGHT, AND COMPLETE LINES 9 TO 14)				(X)
7. TYPE OF OPERATION: CONTINUOUS, (X) ( )		BATCH	NORMAL BATCH TIME	NORMAL BATCHES/DAY
8. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS	DIAGRAM* REFERENCE	INPUT RATES (POUNDS/HOUR) DESIGN      ACTUAL		(FOR APC USE ONLY) SCC CODE
A. N/A				/
B.				/
C.				/
D.				/
E.				/
F.				/
G.				/
TOTALS				/

\* A SIMPLE PROCESS FLOW DIAGRAM MUST BE ATTACHED.

( OVER )

9. BOILER OR BURNER DATA: ( COMPLETE LINES 9 TO 14 USING A SEPARATE FORM FOR EACH BOILER )					
BOILER NUMBER	STACK NUMBER**	TYPE OF FIRING***	RATED BOILER HORSEPOWER	RATED INPUT CAPACITY (10 <sup>6</sup> BTU/HR)	OTHER BOILER RATING (SPECIFY CAPACITY AND UNITS)
U3	U3	Reciprocating Internal Combustion Engine			
BOILER SERIAL NO.		DATE CONSTRUCTED	DATE OF LAST MODIFICATION (EXPLAIN IN COMMENTS BELOW).		

\*\* BOILERS WITH A COMMON STACK WILL HAVE THE SAME STACK NUMBER.

\*\*\* CYCLONE, SPREADER ( WITH OR WITHOUT REINJECTION ), PULVERIZED ( WET 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 SOURCE )							
PRIMARY FUEL TYPE ( SPECIFY )				STANDBY FUEL TYPE( S ) ( SPECIFY )			
FUELS USED	ANNUAL USAGE	HOURLY USAGE		%	%	BTU VALUE OF FUEL	(FOR APC ONLY) SCC CODE
		DESIGN	AVERAGE	SULFUR	ASH		
NATURAL GAS:	10 <sup>6</sup> CUFT	CUFT	CUFT	///	///	1,000	
#2 FUEL OIL:	10 <sup>3</sup> GAL <16.3	GAL 32.7	GAL 19.9	0.5	///	137,000	
#5 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		///		
#6 FUEL OIL:	10 <sup>3</sup> GAL	GAL	GAL		///		
COAL:	TONS	LBS	LBS				
WOOD:	TONS	LBS	LBS	///	///		
LIQUID PROPANE:	10 <sup>3</sup> GAL	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.

14. SIGNATURE	DATE



NOT TO BE USED FOR TITLE V APPLICATIONS

## EMISSION POINT DESCRIPTION

APC 22

PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH STACK OR EMISSION POINT.  
ATTACH TO THE PERMIT APPLICATION.

1. ORGANIZATION NAME Colgate-Palmolive Company				/// FOR	APC COMPANY POINT NO. <b>32-0238-13</b>
2. EMISSION SOURCE NO. (FROM APPLICATION) U3		FLOW DIAGRAM POINT NUMBER		/// APC	APC SEQUENCE NO. <b>60524</b>
3. LOCATION: →	LATITUDE	LONGITUDE	UTM VERTICAL	UTM HORIZONTAL	
4. BRIEF EMISSION POINT DESCRIPTION (ATTACH A SKETCH IF APPROPRIATE): Backup Generator – exempt from permitting					DISTANCE TO NEAREST PROPERTY LINE (FT)  370

COMPLETE LINES 5 AND 6 IF DIFFERENT FROM THAT ON THE PROCESS OR FUEL BURNING SOURCE DESCRIPTION (APC 21)

5. NORMAL OPERATION: →	HOURS/DAY 0	DAYS/WEEK 0	WEEK/YEAR 0	DAYS/YEAR 0			
6. PERCENT ANNUAL THROUGHPUT: →	DEC.-FEB. 25	MARCH-MAY 25	JUNE-AUG. 25	SEPT.-NOV. 25			
7. STACK OR EMISSION POINT DATA: →	HEIGHT ABOVE GRADE (FT) 12	DIAMETER (FT) 0.5	TEMPERATURE (°F) 900	% OF TIME OVER 125°F 100			
DATA AT EXIT CONDITIONS: →	FLOW (ACTUAL FT <sup>3</sup> /MIN.) 3750	VELOCITY (FT/SEC) 300	MOISTURE (GRAINS/FT <sup>3</sup> ) ----	MOISTURE (PERCENT) 6			
DATA AT STANDARD CONDITIONS: →	FLOW (DRY STD. FT <sup>3</sup> /MIN) 1500	VELOCITY (FT/SEC) 120	MOISTURE (GRAINS/FT <sup>3</sup> ) -----	MOISTURE (PERCENT) 0			
8. AIR CONTAMINANTS	ACTUAL EMISSIONS			EMISSIONS* EST.	CONTROL DEVICES*	CONTROL EFFICIENCY%	
	EMISSIONS (LBS/HR) AVERAGE      MAXIMUM <sup>1</sup>		CONCENTRATION				
PARTICULATES		0.04	**	0.01	5	None	
SULFUR DIOXIDE		0.26	***	0.26	5	None	
CARBON MONOXIDE		0.37	PPM	0.09	5	None	
ORGANIC COMPOUNDS		0.06	PPM	0.02	5	None	
NITROGEN OXIDES		4.14	PPM	1.03	5	None	
FLUORIDES							
OTHER( SPECIFY )							
OTHER( SPECIFY )							

( OVER )



---

**9. CHECK TYPES OF MONITORING AND RECORDING INSTRUMENTS THAT ARE ATTACHED:**OPACITY MONITOR (    ), SO<sub>2</sub> MONITOR (    ), NO<sub>x</sub> MONITOR (    ), OTHER (SPECIFY 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 FT<sup>3</sup> ( 70°F ); WOOD FIRED BOILERS — GRAINS/DRY STANDARD FT<sup>3</sup> ( 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 INPUT.

Colgate-Palmolive Company  
Back-up Generator  
400 KW

HP-HR = 536.4087

	gr/hp-hr	gr/hr	lb/hr	ton/yr**
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