

## FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : SNACK FOOD PRODUCTION</b>					
<b>System 4 : CORN CHIP LINE</b>					
FRYER, AC HORN, NATURAL GAS, TORTILLA CHIP, 3.9 MMBTU/HR A/N:	D65	C154	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C1.3, C6.1, D323.1
FILTER, PRE-FILTER, 3.9 SQ. FEET SURFACE AREA, 304 STAINLESS STEEL A/N:	C154	D65 C153		PM: (9) [RULE 404,2-7-1986]	
OXIDIZER, REGENERATIVE THERMAL, ADWEST TECHNOLOGIES, MODEL NO. RETOX 1.5 RTO95, 22 FT. 3/4 IN. L. X 7 FT. 11 IN. W. X 10 FT H. WITH A/N:	C153	C154		CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	A72.2, A72.3, C8.3, D182.1, D323.1
BURNER, LOW NOX, NATURAL GAS, MAXON, MODEL KINEDIZER, 1 TOTAL; 0.433 MMBTU/HR	D155				
INJECTOR, .225 MMBTU/HR, NATURAL GAS	D156				

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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<b>Process 1 : SNACK FOOD PRODUCTION</b>					
<b>System 5 : TORTILLA CHIP LINE</b>					
OVEN, DRYING, NATURAL GAS, 4.77 MMBTU/HR A/N: 484103 Permit to Construct Issued: 09/19/08	D85		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 64 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D28.7, D323.2
OVEN, DRYING, NATURAL GAS, 4.77 MMBTU/HR A/N: 484104 Permit to Construct Issued: 09/19/08	D86		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 64 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D28.7, D323.2
<b>System 12 : EXTRUDED SNACK FOOD LINE</b>					S1.5
FRYER, HEAT & CONTROL, CC 1.5, NATURAL GAS WITH A/N: 455361 Permit to Construct Issued: 12/22/06	D68		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	C6.1, D12.3, D28.5

- \* (1)(1A)(1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
- (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : SNACK FOOD PRODUCTION</b>					
BURNER, HEAT EXCHANGER/ POLLUTION CONTROL, NATURAL GAS, HEAT AND CONTROL, MODEL KHX 1.2, 2 MMBTU/HR				NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012,5-6- 2005] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]	

- \* (1)(1A)(1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5)(5A)(5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2)(2A)(2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
  - (10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
FRITO-LAY NORTH AMERICA, INC.**

**SECTION H: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE  
FRITO-LAY NORTH AMERICA, INC.**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D65	1	1	4
D68	2	1	12
D85	2	1	5
D86	2	1	5
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C154	1	1	4
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## FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

#### FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F30.1 For the purpose of exemption from Title V requirements, the total emissions from this facility shall not equal or exceed the following specified amounts:

Pollutant	Emission Limit (Tons in any 12 consecutive calendar-month period)
NOx	10

#### SYSTEM CONDITIONS

## **FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- S1.2 The operator shall limit the material processed to no more than 5250 ton(s) in any 30-day period.

For the purpose of this condition, material processed shall be defined as pre-cleaned corn.

[Systems subject to this condition : Process 1, System 1]

- S1.3 The operator shall limit the material processed to no more than 6000 ton(s) in any 30-day period.

For the purpose of this condition, material processed shall be defined as corn meal.

[Systems subject to this condition : Process 1, System 2]

- S1.4 The operator shall limit the material processed to no more than 2880 ton(s) in any 30-day period.

For the purpose of this condition, material processed shall be defined as pre-cleaned corn.

[Systems subject to this condition : Process 1, System 3]

- S1.5 The operator shall limit the material processed to no more than 946 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as extruded snack food.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 12]

- S1.6 The operator shall limit the material processed to no more than 673 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as Tortilla chips.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 6]

## **FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

S1.7 The operator shall limit the material processed to no more than 1520 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as cornmeal.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 1, System 13]

### **DEVICE CONDITIONS**

#### **A. Emission Limits**

A72.2 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for PM10 during the normal operation of the equipment it vents.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C153]

A72.3 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 98 percent for VOC during the normal operation of the equipment it vents.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C153]

#### **C. Throughput or Operating Parameter Limits**

## FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- C1.3 The operator shall limit the material processed to no more than 450 ton(s) in any 30-day period.

To comply with this condition, the operator shall keep records, in a manner approved by the district for the following parameter(s) or item(s): A. The amount of material processed for every 30-day period, expressed in tons. B. The start date and end date for every 30-day period..

[Devices subject to this condition : D65]

- C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 425 Deg F.

The operator shall install and maintain a(n) temperature gauge to accurately measure and record the temperature of the oil.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D65, D68]

- C8.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1500 Deg F.

The operator shall install a continuous temperature recorder to measure and record the temperature in the combustion chamber of the oxidizer. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications. The temperature indicating and recording system shall be in operation whenever the equipment it serves is in operation.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C153]

### D. Monitoring/Testing Requirements

## **FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the oil.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D68]

D28.5 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine the PM10 emissions at the inlet of "connected to" APC and at the outlet simultaneously.

The test shall be conducted to determine the non-methane hydrocarbon emissions at the inlet of "connected to" APC and at the outlet simultaneously.

Source test shall be conducted when this equipment is operating at maximum load.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted only after a source test protocol has been approved by the District.

The test shall be conducted to measure the PM10 control efficiency.

The test shall be conducted to measure the non-methane hydrocarbon control efficiency.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D68]

**FACILITY PERMIT TO OPERATE  
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**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

D28.7 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted only after a source test protocol has been approved by the District.

Source test shall be conducted when this equipment is operating at maximum load.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least once every five years.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D85, D86]

## **FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

**D182.1** The operator shall test this equipment in accordance with the following specifications:

The test shall be conducted to demonstrate compliance with the VOC and PM10 destruction efficiency and VOC and PM10 overall control efficiency.

The source test shall be conducted no later than 180 days after the initial start-up of this equipment unless otherwise approved in writing by the district.

A source test protocol shall be submitted to the district no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the district. The test protocol shall be approved in writing by the district before the test commences. The test protocol shall include completed district forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, and the identity of the testing laboratory.

The source test protocol shall include a statement from the testing laboratory certifying it meets the criteria in district rule 304(k) and a description of the sampling and analytical procedures to be used.

The source test shall consist of, but may not be limited to, testing at the inlet and the exhaust of the oxidizer for: 1) Volatile Organic Compounds (VOC), in PPMV, and LBS/HR. 2) VOC destruction efficiency. 3) PM10, in LBS/HR. 4) PM10 destruction efficiency. 5) Oxides of Nitrogen (NOx) in PPMV and LBS/HR (Exhaust Only). 6. Carbon Monoxide (CO) in PPMV and LBS/HR (Exhaust Only). 7) Oxygen Content. 8) Moisture Content. 9) Flow Rate. 10) Temperature.

In addition to the test during normal operation, a source test for NOx emissions shall be conducted during the start-up of the oxidizer before the process air stream from the filling operation is introduced into the oxidizer.

A written notice of the source tests shall be submitted to the district at least 14 days prior to the source testing date so that an observer from the district may be present.

The test shall be conducted once every 5 year period with the first period ending July 1, 2010.

Two complete copies of the source test report shall be submitted to the district within 45 days after the source test date unless otherwise approved in writing by the district. The source test report shall include, but may not be limited to, all testing data required by this condition.

A testing laboratory certified by the California Air Resources Board in the required test methods for criteria pollutants to be measured, and in compliance with the district rule 304 (no conflict of interest) shall conduct the test.

Sampling facilities shall comply with the district guideline for construction of sampling and testing facilities, pursuant to rule 217.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C153]

## **FACILITY PERMIT TO OPERATE FRITO-LAY NORTH AMERICA, INC.**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D65, C153]

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The operator shall comply with the terms and conditions set forth below:

**D323.2** The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

**[Devices subject to this condition : D85, D86]**