

AP-42 Section 9.13.3  
Reference 6  
Report Sect. \_\_\_\_\_  
Reference \_\_\_\_\_

AP-42: REFERENCE 6  
SECTION: 4: REFERENCE 5

# **EMISSION PERFORMANCE TESTING OF TWO FRYER LINES**

**SITE: EAGLE SNACKS, INC.**  
**Visalia, California**

**DATE: NOVEMBER 1990**

Note: This is a reference cited in AP 42, *Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources*. AP42 is located on the EPA web site at [www.epa.gov/ttn/chief/ap42/](http://www.epa.gov/ttn/chief/ap42/)

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## 1.0 INTRODUCTION

At the request of Anheuser Busch, Inc., St. Louis, Missouri, Western Environmental Services (WES) conducted a compliance test at Eagle Snacks, Visalia, California. The testing consisted of collecting particulate samples and particle sizing samples from the Continuous Fryer and the Tortilla Line. The testing was performed on October 10 thru October 12, 1990 to provide compliance test data for the Tulare County Air Pollution Control District.

Triplicate particulate and particle sizing samples were collected at two locations, the stack exhaust from a continuous fryer line and the stack exhaust from tortilla fryer line. The testing of each unit was conducted on separate consecutive days. The particulate tests were conducted using EPA Method 5. The particle sizing was performed by using an Anderson Impactor Mark III.

The following sections will be presented in this report: Summary of Results, Site Description, Sampling and Analytical Procedures, Quality Assurance, and Appendices. The appendices contain the Field and Laboratory Data sheets, Calibration Information, Sample Calculations, and Process Data.

## 2.0 SUMMARY OF RESULTS

### 2.1 Discussion of Results

Table 2.1 through 2.6 show the test results. Table 2.1 and Table 2.3 present the particulate sampling results while Tables 2.2 and 2.4 show the particulate analysis. Table 2.5 and 2.6 depicts the particle sizing results.

The test data is summarized below:

| Test #                                | Charge Rate<br>#/Hr | Particulates              |                       |
|---------------------------------------|---------------------|---------------------------|-----------------------|
|                                       |                     | Concentration<br>Grs/SDCF | Emission Rate<br>#/Hr |
| -----                                 |                     |                           |                       |
| Continuous Fryer Input (1100 to 4000) |                     |                           |                       |
| Test #1                               | 9,820               | 0.0488                    | 1.13                  |
| Test #2                               | 10,930              | 0.0368                    | 0.84                  |
| Test #3                               | 11,230              | 0.0487                    | 1.03                  |
| Average                               | 10,660              | 0.0448                    | 1.00                  |
| -----                                 |                     |                           |                       |
| Tortilla Line #1 output               |                     |                           |                       |
| Test #1                               | 1,525               | 0.0064                    | 0.09                  |
| Test #2                               | 1,535               | 0.0093                    | 0.13                  |
| Test #3                               | 1,176               | 0.0207                    | 0.29                  |
| Average                               | 1,412               | 0.0122                    | 0.17                  |
| -----                                 |                     |                           |                       |

-----  
Particle Size (noncondensable only)

| Particle Size (microns) Test                    |     |    |    |         |
|-------------------------------------------------|-----|----|----|---------|
| ug                                              | 1   | 2  | 3  | Average |
| Cumulative Percent Less Than Stated Micron Size |     |    |    |         |
| -----                                           |     |    |    |         |
| Continuous Fryer                                |     |    |    |         |
| 10                                              | 75  | 83 | 99 | 86      |
| 5                                               | 60  | 69 | 72 | 67      |
| 3                                               | 48  | 56 | 29 | 44      |
| 1                                               | 26  | 29 | 2  | 19      |
| Tortilla Line                                   |     |    |    |         |
| 10                                              | 100 | 85 | 55 | 80      |
| 5                                               | 100 | 60 | 23 | 61      |
| 3                                               | 100 | 37 | 8  | 48      |
| 1                                               | 100 | 6  | 2  | 36      |

The Particle Size Test Data does not include condensable particles.

The condensable particulates, less than 0.1 micron diameter, for the continuous fryer represents 86.4 % of the total particulates. The condensable particulates, less than 0.1 micron diameter, for the tortilla line shows 92.7 % of the total particulates.

## 2.2 Quality Assurance

The particulate sampling train was checked for leaks prior to and after each test. The sampling equipment was calibrated according to the Quality Assurance Handbook for Air Pollution Measurement Systems.

# TABLE 2.1 PARTICULATE SAMPLING

SITE: Eagle Snacks, Inc.

UNIT: Continuous Fryer

DATE: October 10, 1990

| STACK PARAMETERS        | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
|-------------------------|--------|--------|--------|---------|
| Barometric Pressure "Hg | 29.95  | 29.85  | 29.85  | 29.88   |
| Static Pressure "H2O    | -0.21  | -0.21  | -0.21  | -0.21   |
| CO2 %                   | 0.00   | 0.00   | 0.00   | 0.00    |
| O2 %                    | 20.95  | 20.95  | 20.95  | 20.95   |
| N2 %                    | 79.054 | 79.054 | 79.054 | 79.05   |
| CO ppm                  | 10     | 10     | 10     | 10.00   |
| Stack Diameter "        | 30     | 30     | 30     | 30.00   |
| Stack Temperature F     | 235    | 235    | 235    | 235.00  |
| Stack Pressure "Hg      | 29.93  | 29.83  | 29.83  | 29.87   |
| TEST CONDITIONS         | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
| Sample Volume Ft3       | 27.151 | 22.777 | 20.93  | 23.62   |
| Meter F                 | 90     | 102    | 100    | 97.33   |
| Nozzle Dia "            | 0.39   | 0.33   | 0.33   | 0.35    |
| Time Min                | 60     | 60     | 60     | 60.00   |
| Points                  | 12     | 12     | 12     | 12.00   |
| Pitot Tube Factor cp    | 0.79   | 0.79   | 0.79   | 0.79    |
| Orifice Press "H2O      | 0.67   | 0.5    | 0.4    | 0.52    |
| Condensate mls          | 795    | 756    | 659    | 736.67  |
| Velocity Pressure "H2O  | 0.184  | 0.214  | 0.173  | 0.19    |
| Meter Calibration       | 0.987  | 0.987  | 0.987  | 0.99    |
| TEST CALCULATIONS       | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
| Water Vapor SDCF        | 37.421 | 35.585 | 31.019 | 34.67   |
| Gas Sampled SDCF        | 25.784 | 21.089 | 19.443 | 22.11   |
| Moisture %              | 59.21  | 62.79  | 61.47  | 61.15   |
| Molecular Weight Dry    | 28.84  | 28.84  | 28.84  | 28.84   |
| Molecular Weight Wet    | 22.42  | 22.03  | 22.18  | 22.21   |
| Gas Velocity Ft/Sec     | 29.48  | 32.13  | 28.79  | 30.13   |
| Flow Rate ACFM          | 8683   | 9462   | 8480   | 8875    |
| Flow Rate DSCFM         | 2692   | 2667   | 2475   | 2611    |
| Isokinetics %           | 94.5   | 109.0  | 108.3  | 103.92  |

# TABLE 2.2 PARTICULATE ANALYSIS

SITE: Eagle Snacks, Inc.

UNIT: Continuous Fryer

DATE: October 10, 1990

| ANALYTICAL DATA      | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
|----------------------|--------|--------|--------|---------|
| FRONT HALF           |        |        |        |         |
| Probe mg             | 34.5   | 26.1   | 30.6   | 30.40   |
| Filter mg            | 0.0    | 0.0    | 8.9    | 2.97    |
| Blanks mg            | 0.5    | 0.5    | 0.5    | 0.50    |
| Subtotal mg          | 34.0   | 25.6   | 39.0   | 32.87   |
| BACK HALF            |        |        |        |         |
| Impingers Inorg mg   | 0.0    | 0.0    | 0.3    | 0.10    |
| Impingers Org mg     | 48.1   | 25.2   | 22.6   | 31.97   |
| Blank mg             | 0.5    | 0.5    | 0.5    | 0.50    |
| Subtotal mg          | 47.6   | 24.7   | 22.4   | 31.57   |
| Total Weight Gain mg | 81.6   | 50.3   | 61.4   | 64.43   |
| EMISSION DATA        | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
| FRONT HALF           |        |        |        |         |
| Grs/SDCF             | 0.0203 | 0.0187 | 0.0310 | 0.0233  |
| Lbs/Hr               | 0.469  | 0.428  | 0.656  | 0.518   |
| BACK HALF            |        |        |        |         |
| Grs/SDCF             | 0.0285 | 0.0181 | 0.0178 | 0.0214  |
| Lbs/Hr               | 0.657  | 0.413  | 0.377  | 0.482   |
| TOTAL EMISSIONS      | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
| Grs/SDCF             | 0.0488 | 0.0368 | 0.0487 | 0.0448  |
| Lbs/Hrs              | 1.126  | 0.841  | 1.033  | 1.000   |



# TABLE 2.3 PARTICULATE SAMPLING

SITE: Eagle Snacks, Inc.  
UNIT: Tortilla Line  
DATE: October 11, 1990

| STACK PARAMETERS        | TEST 1  | TEST 2  | TEST 3  | AVERAGE |
|-------------------------|---------|---------|---------|---------|
| Barometric Pressure °Hg | 29.85   | 29.85   | 29.85   | 29.85   |
| Static Pressure °H2O    | -0.08   | -0.08   | -0.08   | -0.08   |
| CO2 %                   | 0.00    | 0.00    | 0.00    | 0.00    |
| O2 %                    | 20.95   | 20.95   | 20.95   | 20.95   |
| N2 %                    | 79.054  | 79.054  | 79.054  | 79.05   |
| CO ppm                  | 10      | 10      | 10      | 10.00   |
| Stack Diameter "        | 18      | 18      | 18      | 18.00   |
| Stack Temperature F     | 179     | 136     | 173     | 162.67  |
| Stack Pressure °Hg      | 29.84   | 29.84   | 29.84   | 29.84   |
| TEST CONDITIONS         | TEST 1  | TEST 2  | TEST 3  | AVERAGE |
| Sample Volume Ft3       | 105.099 | 113.776 | 103.441 | 107.44  |
| Meter F                 | 94      | 117     | 88      | 99.67   |
| Nozzle Dia "            | 0.325   | 0.325   | 0.325   | 0.33    |
| Time Min                | 180     | 180     | 180     | 180.00  |
| Points                  | 10      | 10      | 10      | 10.00   |
| Pitot Tube Factor cp    | 0.79    | 0.79    | 0.79    | 0.79    |
| Orifice Press °H2O      | 1.1     | 1.24    | 1.08    | 1.14    |
| Condensate mls          | 376     | 426     | 325     | 375.67  |
| Velocity Pressure °H2O  | 0.131   | 0.132   | 0.129   | 0.13    |
| Meter Calibration       | 0.987   | 0.987   | 0.987   | 0.99    |
| TEST CALCULATIONS       | TEST 1  | TEST 2  | TEST 3  | AVERAGE |
| Water Vapor SDCF        | 17.698  | 20.052  | 15.298  | 17.68   |
| Gas Sampled SDCF        | 98.861  | 102.792 | 98.362  | 100.00  |
| Moisture %              | 15.18   | 16.32   | 13.46   | 14.99   |
| Molecular Weight Dry    | 28.84   | 28.84   | 28.84   | 28.84   |
| Molecular Weight Wet    | 27.19   | 27.07   | 27.38   | 27.21   |
| Gas Velocity F/Sec      | 21.69   | 21.08   | 21.35   | 21.37   |
| Flow Rate ACFM          | 2300    | 2235    | 2264    | 2266    |
| Flow Rate DSCFM         | 1608    | 1652    | 1630    | 1630    |
| Isokinetics %           | 104.9   | 106.1   | 102.9   | 104.61  |

# TABLE 2.4 PARTICULATE ANALYSIS

SITE: Eagle Snacks, Inc.  
 UNIT: Tortilla Line No. 1  
 DATE: October 11, 1990

| ANALYTICAL DATA      | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
|----------------------|--------|--------|--------|---------|
| FRONT HALF           |        |        |        |         |
| Probe mg             | 23.7   | 20.6   | 20.4   | 21.57   |
| Filter mg            | 2.8    | 7.8    | 90.1   | 33.57   |
| Blanks mg            | 0.5    | 0.5    | 0.5    | 0.50    |
| Subtotal mg          | 26.0   | 27.9   | 110.0  | 54.63   |
| BACK HALF            |        |        |        |         |
| Impingers Inorg mg   | 0.0    | 0.0    | 0.0    | 0.00    |
| Impingers Org mg     | 15.6   | 34.8   | 22.6   | 24.33   |
| Blank mg             | 0.5    | 0.5    | 0.5    | 0.50    |
| Subtotal mg          | 15.1   | 34.3   | 22.1   | 23.83   |
| Total Weight Gain mg | 41.1   | 62.2   | 132.1  | 78.47   |
| EMISSION DATA        | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
| FRONT HALF           |        |        |        |         |
| Grs/SDCF             | 0.0041 | 0.0042 | 0.0173 | 0.0085  |
| Lbs/Hr               | 0.056  | 0.059  | 0.241  | 0.119   |
| BACK HALF            |        |        |        |         |
| Grs/SDCF             | 0.0024 | 0.0051 | 0.0035 | 0.0037  |
| Lbs/Hr               | 0.032  | 0.073  | 0.048  | 0.051   |
| TOTAL EMISSIONS      | TEST 1 | TEST 2 | TEST 3 | AVERAGE |
| Grs/SDCF             | 0.0064 | 0.0093 | 0.0207 | 0.0122  |
| Lbs/Hrs              | 0.088  | 0.132  | 0.289  | 0.170   |

## TABLE 2.5 PARTICLE SIZING TEST DATA

Site: Eagle Snacks, Inc.

Unit: Continuous Fryer

Date: October 10, 1990

| Micron Cutoff<br>ug | Cumulative Percent Less Than Stated Micron Size |    |    | Average |
|---------------------|-------------------------------------------------|----|----|---------|
|                     | Test                                            |    |    |         |
|                     | 1                                               | 2  | 3  |         |
| 10                  | 75                                              | 83 | 99 | 86      |
| 5                   | 60                                              | 69 | 72 | 67      |
| 3                   | 48                                              | 56 | 29 | 44      |
| 1                   | 26                                              | 29 | 2  | 19      |

## TABLE 2.6 PARTICLE SIZING TEST DATA

Site: Eagle Snacks, Inc.

Unit: Tortilla Line

Date: October 11 and 12, 1990

| Micron Cutoff<br>ug | Cumulative Percent Less Than Stated Micron Size<br>Test |    |    | Average |
|---------------------|---------------------------------------------------------|----|----|---------|
|                     | 1                                                       | 2  | 3  |         |
| 10                  | 100                                                     | 85 | 55 | 80      |
| 5                   | 100                                                     | 60 | 23 | 61      |
| 3                   | 100                                                     | 37 | 8  | 48      |
| 1                   | 100                                                     | 6  | 2  | 36      |

### 3.0 SITE DESCRIPTION

#### 3.1 Tortilla Chip Line

Samples were collected from a 18" diameter vertical stack located on the roof. The sampling ports are located at 90 degrees of each other on the same horizontal plane. Figure 3.1 is the site diagram.

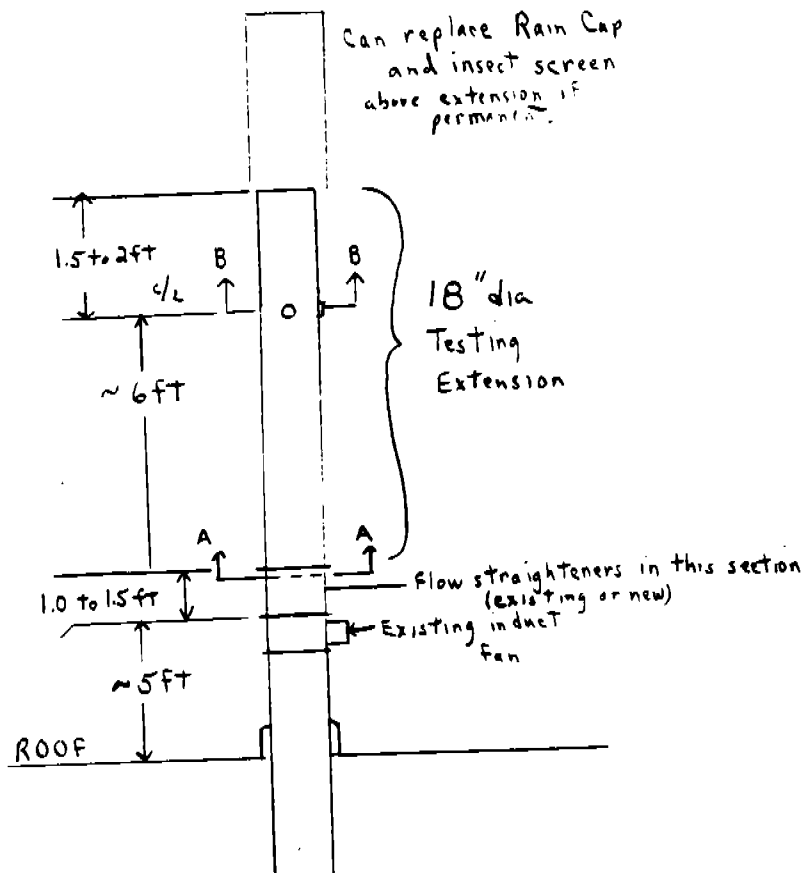
#### 3.2 Continuous Fryer

Samples were collected from a 30 inch diameter duct located above the roof. The sampling ports are two 3" diameter ports at 90 degrees of each other on the same horizontal plane. Figure 3.2 is the site diagram.

Eagle Snacks Inc  
Visalia, CA

# TESTING STACK TORTILLA FRYER NO. 1

FIGURE 3.1



2-3 to 4 in. dia. holes  
in duct  
90°  
Section BB  
Sample Ports  
(any two accessible directions on  
duct w/ 90° between ports)

2 pieces of heavy sheet  
metal crossed in duct  
center for entire  
height of 1.0 to  
1.5 ft section.  
Section AA  
Flow Straighteners

DMD

8-29-90

Eagle Snacks Inc  
Visalia, CA

# TEMPORARY TESTING STACKS

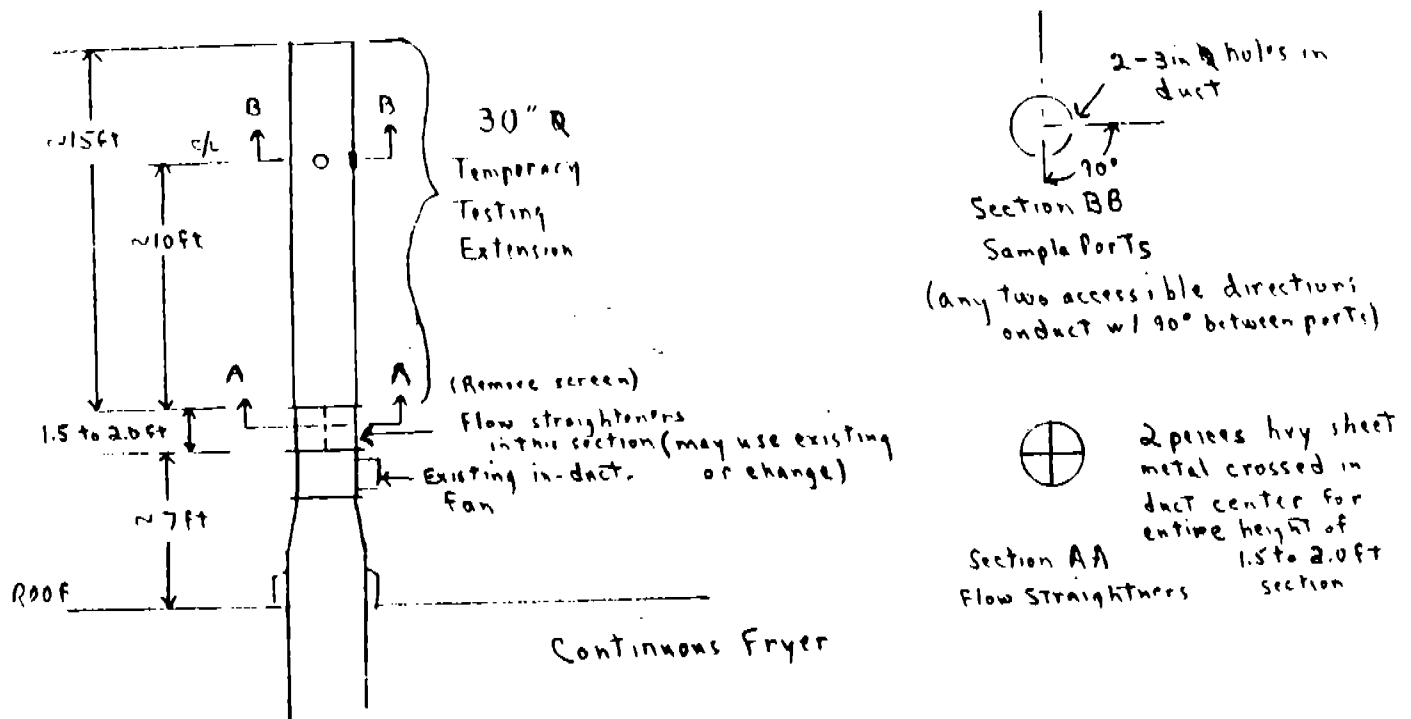


FIGURE 3.2

## 4.0 SAMPLING AND ANALYTICAL PROCEDURES

### 4.1 Traverse Point Location

Traverse point locations were determined by utilizing EPA Method 1, "Sample and Velocity Traverses for Stationary Sources." Twenty four sampling points were used at the continuous fryer and twenty points were used at the tortilla stack.

### 4.2 Particulate Sampling and Analysis

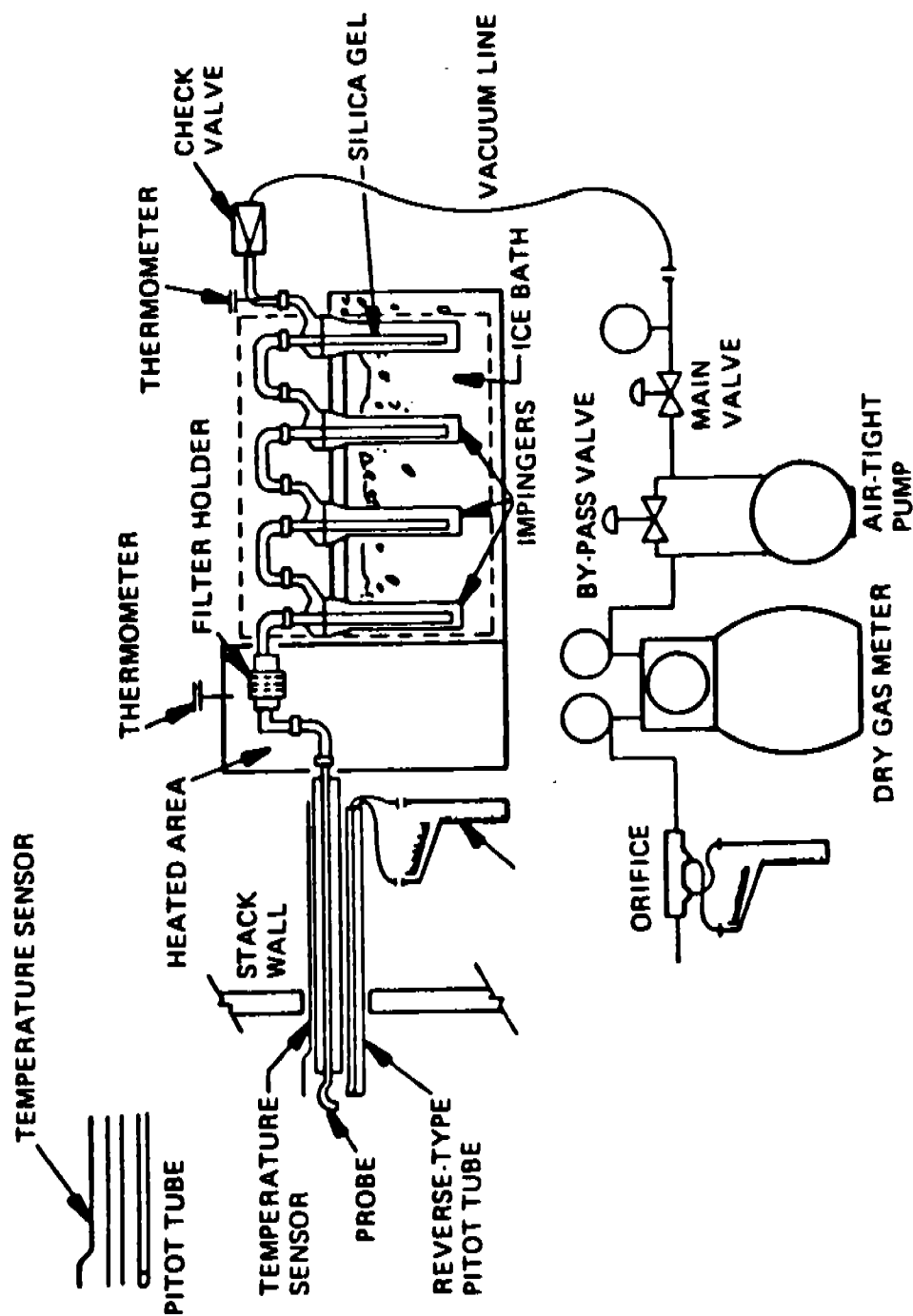
Six EPA Method Five samples were collected during the testing program. Triplicate tests were performed at each location.

The sampling train consisted of a glass nozzle, glass probe, heated four inch filter, four glass impingers, silica gel impinger, pump, and a calibrated dry gas meter. The first and second impingers each contained 100 milliliters of distilled water. The third impinger was empty. Figure 4.1 depicts the sampling train.

After assembling the sampling train, it was checked for leaks and the sampling was not started until a leak rate of less than 0.02 cfm at 15 inches of mercury was achieved.

During the testing, the sampling was performed isokinetically at each traverse point. The velocity measurements were made at individual traverse points using a Type "S" pitot tube connected to an magnehlic with divisions measuring 0.05 inches of water. The stack temperature was measured by using a Type K thermocouple wire attached to a calibrated digital readout.





EPA METHOD 5 PARTICULATE SAMPLE APPARATUS

FIGURE 4.1

Upon completion of each test, the sampling train was checked for leaks before disassembling the sampling system. The nozzle and the probe were removed from the train. The probe was rinsed and brushed with a nylon brush on a stainless steel handle. The probe and nozzle were rinsed with acetone. The solutions were placed into a 500 milliliter amber glass bottle. The bottle was labeled and retained for analysis.

The impinger solutions were re-measured and recovered with distilled water. The solutions were placed into 950 milliliter amber glass bottles. The bottles were labeled and retained for analysis. In addition, the impingers were rinsed with acetone, and the solutions were placed into the probe rinse bottle labeled for acetone.

The glass fiber filter was removed from the filter holder and was placed into a petri dish. The front half of the filter holder was rinsed with acetone. The back-half of the filter holder was rinsed with distilled water. The distilled water rinses were placed with the impinger solutions and the acetone rinses were placed with acetone probe rinse.

The analysis was performed by evaporating the acetone probe rinses to dryness in tared beakers. The water solutions were combined and extracted with 50 milliliters of petroleum ether. The inorganic and organic fractions were evaporated in tared beakers. The beakers and filter were placed into a desiccator and were weighed to constant weights.

The data reduction was performed by using EPA Method Five calculations.

#### 4.3 Inorganic Gas Determination

During each series of tests, gaseous samples from the stack were analyzed for carbon dioxide and oxygen. The samples were collected by bag samples and analyzing with Hach thermal conductivity gas chromatograph.

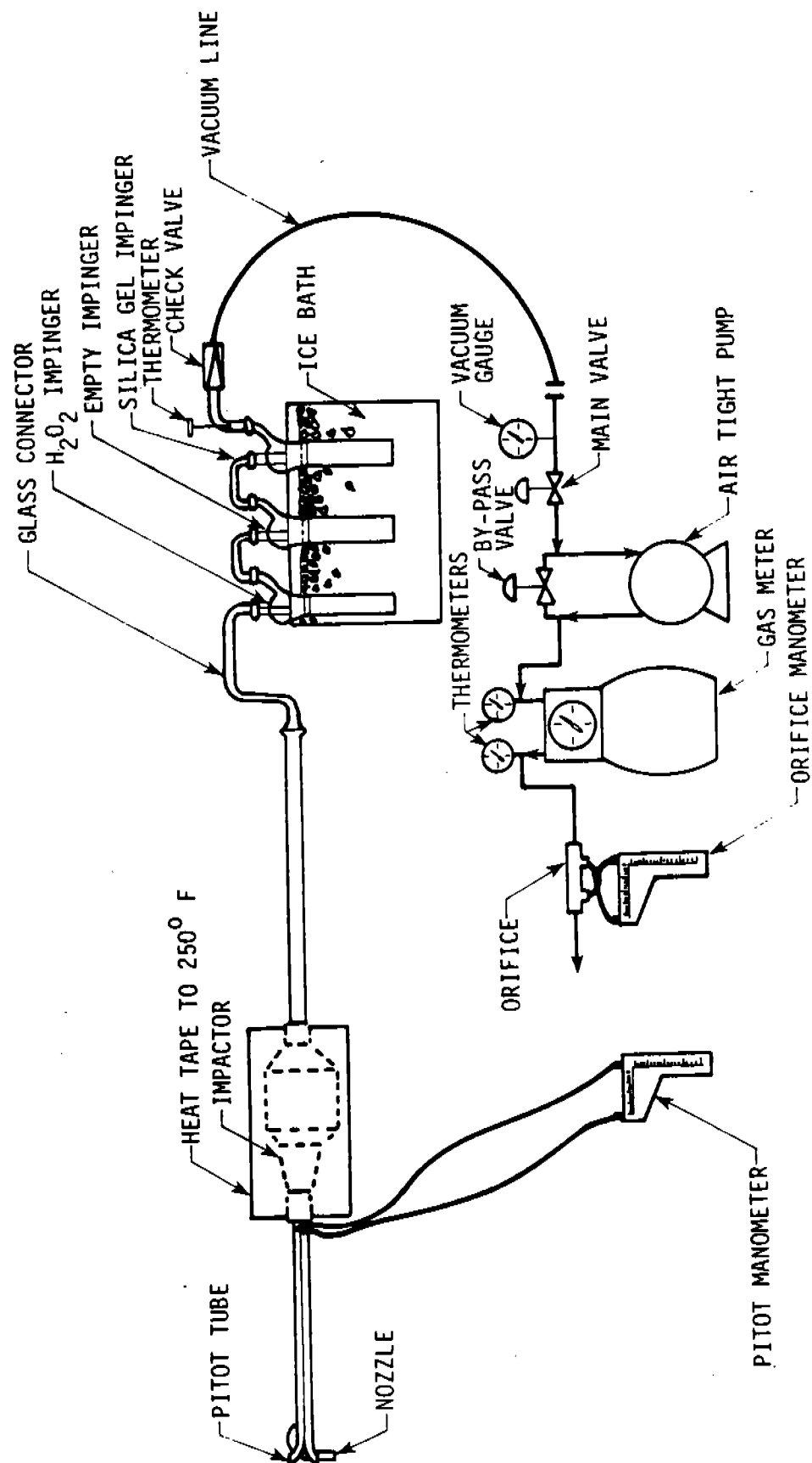
#### 4.4 Particle Sizing

Samples were collected at a single traverse point using an Anderson eight stage impactor. Triplicate samples were collected at each location. Due to the high moisture at the potato chip continuous fryer, the impactor was heated to 250 degrees F. Figure 4.2 illustrates the sampling train.

Before testing, velocity measurements were collected to establish the proper nozzle size. After assembling the sampling train was checked for leaks. Sampling was not begun until a leak rate of less than 0.02 cfm at 15 inches of mercury had been achieved.

The sampling was performed isokinetically at a single traverse point. The sampling system consisted of a heated impactor with a Type S pitot tube. The stack temperature was determined with a Type K thermocouple wire attached to a digital readout.

Upon completion of the testing, the sampling train was checked for leaks at the maximum vacuum encountered during the testing. The impactor was removed from the sampling system.



The nozzle was rinsed with acetone. The rinse was placed into a sample container. The glass fiber filters was removed and placed into petri dishes.

The analyses was performed by evaporating the nozzle rinse to dryness in tared beakers and was reweighed to a constant weight. The filters was reweighed to a constant weight.

The calculations followed EPA Method Five guidelines. The results were reported as total particulates and the percentage at each cutoff size.

## 5.0 QUALITY ASSURANCE

### 5.1 Instrument Calibration Gases

The instrument calibration gases were certified by an independent laboratory and copies of the certifications are included in the appendix of this report.

### 5.2 System Quality Assurance

The system calibration was performed before and after each test by injecting a calibration gas into the probe and determining the percent recovery at the instrument. Linearity checks were performed on the analyzers during the testing program.

### 5.3 Test Calibration

Before and after each test period, the continuous monitors were zeroed and spanned with EPA Protocol #1 span gases. The test calibration data is located in Appendix A.

### 5.4 Field Equipment Quality Assurance

The calibration of the pitot tube, dry gas meter, digital thermometers, and manometers were performed by utilizing standard EPA Methodology, "Quality Assurance Handbook for Air Pollution Measurement Systems, Volume III, Stationary Source Specific Methods (EPA-600/4-77-0278).

**WESTERN ENVIRONMENTAL SERVICES**

**APPENDIX A**





85 e 30

# FIELD DATA

PLANT Eagle Shocks  
 DATE 10-10-90  
 SAMPLING LOCATION Cont. Flyer  
 SAMPLE TYPE Particulate  
 RUN NUMBER #2  
 OPERATOR Ly Hasstriter  
 AMBIENT TEMPERATURE 88  
 BAROMETRIC PRESSURE 29.85  
 STATIC PRESSURE, (P<sub>s</sub>) -0.21  
 FILTER NUMBER (s) 4.138

PROBE LENGTH AND TYPE #23  
 NOZZLE I.D. 1.330  
 ASSUMED MOISTURE, % 55%  
 SAMPLE BOX NUMBER Green  
 METER BOX NUMBER #86 Green  
 METER ΔH<sub>g</sub> #13 (0-2")  
 C FACTOR \_\_\_\_\_  
 PROBE HEATER SETTING 250°  
 HEATER BOX SETTING 250°  
 REFERENCE ΔP #4 (0-50")

SCHEMATIC OF TRAVERSE POINT LAYOUT  
 READ AND RECORD ALL DATA EVERY 2 1/2 MINUTES

Preleak < 0.12 cfm Postleak < 0.08 cfm Probe 300

| TRAVERSE POINT NUMBER | SAMPLING TIME, min | CLOCK TIME (24-hr CLOCK) | GAS METER READING (V <sub>m</sub> ), ft <sup>3</sup> | VELOCITY HEAD (ΔP <sub>v</sub> ), in. H <sub>2</sub> O | ORIFICE PRESSURE DIFFERENTIAL (ΔH), in. H <sub>2</sub> O |        | STACK TEMPERATURE (T <sub>s</sub> ), °F | DRY GAS METER TEMPERATURE      |                                  | PUMP VACUUM, in. Hg | SAMPLE BOX TEMPERATURE, °F | IMPINGER TEMPERATURE, °F |
|-----------------------|--------------------|--------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------|-----------------------------------------|--------------------------------|----------------------------------|---------------------|----------------------------|--------------------------|
|                       |                    |                          |                                                      |                                                        | DESIRED                                                  | ACTUAL |                                         | INLET (T <sub>m in</sub> ), °F | OUTLET (T <sub>m out</sub> ), °F |                     |                            |                          |
| 1                     | 0                  | 1219                     | 428.708                                              | .11                                                    | .74                                                      | .75    | 232                                     | 94                             | 94                               |                     | 250                        | 65                       |
| 2                     | 5                  | 1222                     | 429.460                                              | .14                                                    | .32                                                      | .32    | 231                                     | 90                             | 94                               |                     | 275                        | 65                       |
| 3                     | 10                 | 1227                     | 430.185                                              | .16                                                    | .36                                                      | .36    | 239                                     | 90                             | 94                               |                     | 275                        | 65                       |
| 4                     | 15                 | 1227                     | 430.985                                              | .19                                                    | .43                                                      | .43    | 238                                     | 90                             | 92                               |                     | 285                        | 64                       |
| 5                     | 20                 | 1232                     | 431.780                                              | .19                                                    | .43                                                      | .43    | 238                                     | 92                             | 92                               |                     | 265                        | 65                       |
| 6                     | 25                 | 1237                     | 432.650                                              | .19                                                    | .43                                                      | .43    | 238                                     | 93                             | 92                               |                     | 275                        | 68                       |
| 7                     | 30                 | 1242                     | 433.500                                              | .23                                                    | .52                                                      | .52    | 237                                     | 97                             | 92                               |                     | 275                        | 69                       |
| 8                     | 35                 | 1247                     | 434.475                                              | .23                                                    | .52                                                      | .52    | 238                                     | 97                             | 93                               |                     | 265                        | 69                       |
| 9                     | 40                 | 1252                     | 435.475                                              | .18                                                    | .41                                                      | .41    | 237                                     | 102                            | 92                               |                     | 235                        | 74                       |
| 10                    | 45                 | 1257                     | 436.350                                              | .22                                                    | .50                                                      | .50    | 238                                     | 102                            | 92                               |                     | 275                        | 80                       |
| 11                    | 50                 | 1257                     | 437.300                                              | .23                                                    | .53                                                      | .53    | 239                                     | 106                            | 96                               |                     | 275                        | 84                       |
| 12                    | 55                 | 1302                     | 438.300                                              | .23                                                    | .54                                                      | .54    | 229                                     | 108                            | 98                               |                     | 255                        | 85                       |
| 1                     | 0                  | 1307                     | 439.310                                              | .23                                                    | .54                                                      | .54    | 232                                     | 110                            | 100                              |                     | 260                        | 84                       |
| 2                     | 5                  | 1312                     | 440.350                                              | .26                                                    | .61                                                      | .61    | 234                                     | 110                            | 100                              |                     | 270                        | 84                       |
| 3                     | 10                 | 1317                     | 441.415                                              | .26                                                    | .61                                                      | .61    | 234                                     | 110                            | 100                              |                     | 275                        | 82                       |
| 4                     | 15                 | 1322                     | 442.570                                              | .32                                                    | .75                                                      | .75    | 235                                     | 102                            | 100                              |                     | 275                        | 88                       |
| 5                     | 20                 | 1327                     | 443.770                                              | .33                                                    | .77                                                      | .77    | 237                                     | 112                            | 102                              |                     | 285                        | 90                       |
| 6                     | 25                 | 1332                     | 444.915                                              | .28                                                    | .65                                                      | .65    | 237                                     | 114                            | 102                              |                     | 299                        | 90                       |
| 7                     | 30                 | 1337                     | 445.900                                              | .20                                                    | .47                                                      | .47    | 237                                     | 116                            | 103                              |                     | 285                        | 88                       |
| 8                     | 35                 | 1342                     | 446.800                                              | .19                                                    | .45                                                      | .45    | 235                                     | 114                            | 104                              |                     | 265                        | 88                       |
| 9                     | 40                 | 1347                     | 447.675                                              | .18                                                    | .42                                                      | .42    | 236                                     | 114                            | 104                              |                     | 290                        | 88                       |
| 10                    | 45                 | 1352                     | 448.520                                              | .17                                                    | .40                                                      | .40    | 233                                     | 114                            | 104                              |                     | 295                        | 87                       |
| 11                    | 50                 | 1357                     | 449.355                                              | .17                                                    | .40                                                      | .40    | 231                                     | 115                            | 104                              |                     | 265                        | 82                       |
| 12                    | 55                 | 1402                     | 450.330                                              | .14                                                    | .56                                                      | .56    | 233                                     | 115                            | 104                              |                     | 270                        | 82                       |

COMMENTS: 60 1319 451.485 170 227 115 104 270 82  
 12 102 235 102  
 V/C 29 + 727 = 756  
 FFA (Out) 235

A00002

## FIELD DATA

PLANT Eagle Stacks  
 DATE 10-10-90  
 SAMPLING LOCATION Cent. Fryer  
 SAMPLE TYPE Particulate  
 RUN NUMBER #3  
 OPERATOR J. H. Striter  
 AMBIENT TEMPERATURE 90°  
 BAROMETRIC PRESSURE 29.85  
 STATIC PRESSURE (P<sub>s</sub>) 2.21  
 FILTER NUMBER (n) 4.149

PROBE LENGTH AND TYPE #23  
 NOZZLE I.D. .330  
 ASSUMED MOISTURE, % 55%  
 SAMPLE BOX NUMBER Green  
 METER BOX NUMBER #302 Green  
 METER ΔH<sub>0</sub> #13 (0-2")  
 C FACTOR   
 PROBE HEATER SETTING 250°  
 HEATER BOX SETTING 250°  
 REFERENCE ΔP #4 (0-.50")

05-249

SCHEMATIC OF TRAVERSE POINT LAYOUT  
 READ AND RECORD ALL DATA EVERY 22 MINUTES

Pre-peak < .007 cfm  
 Peak < .005 cfm

| TRAVERSE POINT NUMBER | CLOCK TIME (24-hr CLOCK) | SAMPLING TIME, min | GAS METER READING (V <sub>m</sub> ), ft <sup>3</sup> | VELOCITY HEAD (ΔP <sub>s</sub> ), in. H <sub>2</sub> O | ORIFICE PRESSURE DIFFERENTIAL (ΔH), in. H <sub>2</sub> O |        | STACK TEMPERATURE (T <sub>s</sub> ), °F | DRY GAS METER TEMPERATURE      |                                  | PUMP VACUUM, in. Hg | SAMPLE BOX TEMPERATURE, °F | IMPIGNER TEMPERATURE, °F |
|-----------------------|--------------------------|--------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------|-----------------------------------------|--------------------------------|----------------------------------|---------------------|----------------------------|--------------------------|
|                       |                          |                    |                                                      |                                                        | DESIRED                                                  | ACTUAL |                                         | INLET (T <sub>m in</sub> ), °F | OUTLET (T <sub>m out</sub> ), °F |                     |                            |                          |
| 1                     | 306                      | 0                  | 451.751                                              | .21                                                    | .48                                                      | .48    | 230                                     | 94                             | 94                               |                     | 250                        | 90                       |
| 2                     | 308                      | 5                  | 452.640                                              | .19                                                    | .43                                                      | .43    | 234                                     | 94                             | 94                               |                     | 275                        | 90                       |
| 3                     | 311                      | 10                 | 453.525                                              | .19                                                    | .43                                                      | .43    | 238                                     | 94                             | 94                               |                     | 300                        | 90                       |
| 4                     | 313                      | 15                 | 454.420                                              | .19                                                    | .43                                                      | .43    | 235                                     | 94                             | 94                               |                     | 299                        | 90                       |
| 5                     | 316                      | 20                 | 455.280                                              | .19                                                    | .43                                                      | .43    | 236                                     | 94                             | 94                               |                     | 300                        | 90                       |
| 6                     | 318                      | 25                 | 456.130                                              | .20                                                    | .46                                                      | .46    | 238                                     | 98                             | 92                               |                     | 290                        | 90                       |
| 7                     | 321                      | 30                 | 457.050                                              | .22                                                    | .50                                                      | .50    | 240                                     | 103                            | 93                               |                     | 300                        | 93                       |
| 8                     | 323                      | 35                 | 459.970                                              | .17                                                    | .39                                                      | .40    | 240                                     | 104                            | 94                               |                     | 295                        | 95                       |
| 9                     | 326                      | 40                 | 458.910                                              | .17                                                    | .39                                                      | .39    | 238                                     | 110                            | 96                               |                     | 300                        | 95                       |
| 10                    | 328                      | 45                 | 459.845                                              | .15                                                    | .35                                                      | .35    | 239                                     | 112                            | 98                               |                     | 300                        | 97                       |
| 11                    | 331                      | 50                 | 460.700                                              | .12                                                    | .28                                                      | .28    | 236                                     | 112                            | 98                               |                     | 275                        | 92                       |
| 12                    | 333                      | 55                 | 461.455                                              | .11                                                    | .26                                                      | .26    | 227                                     | 103                            | 98                               |                     | 280                        | 92                       |
| 1                     | 336                      | 0                  | 462.220                                              | .19                                                    | .44                                                      | .44    | 238                                     | 103                            | 93                               |                     | 270                        | 92                       |
| 2                     | 338                      | 5                  | 463.100                                              | .17                                                    | .39                                                      | .39    | 237                                     | 104                            | 98                               |                     | 285                        | 92                       |
| 3                     | 341                      | 10                 | 463.940                                              | .19                                                    | .44                                                      | .44    | 235                                     | 106                            | 98                               |                     | 300                        | 94                       |
| 4                     | 343                      | 15                 | 464.830                                              | .19                                                    | .44                                                      | .44    | 237                                     | 106                            | 98                               |                     | 270                        | 88                       |
| 5                     | 346                      | 20                 | 465.760                                              | .20                                                    | .46                                                      | .46    | 237                                     | 106                            | 98                               |                     | 285                        | 89                       |
| 6                     | 348                      | 25                 | 466.645                                              | .21                                                    | .49                                                      | .49    | 237                                     | 107                            | 99                               |                     | 300                        | 90                       |
| 7                     | 351                      | 30                 | 467.680                                              | .19                                                    | .44                                                      | .44    | 236                                     | 108                            | 100                              |                     | 285                        | 90                       |
| 8                     | 353                      | 35                 | 468.570                                              | .18                                                    | .42                                                      | .42    | 233                                     | 108                            | 100                              |                     | 275                        | 90                       |
| 9                     | 356                      | 40                 | 469.500                                              | .17                                                    | .40                                                      | .40    | 231                                     | 108                            | 100                              |                     | 290                        | 91                       |
| 10                    | 358                      | 45                 | 470.375                                              | .15                                                    | .35                                                      | .35    | 230                                     | 108                            | 100                              |                     | 290                        | 90                       |
| 11                    | 401                      | 50                 | 471.200                                              | .13                                                    | .31                                                      | .31    | 227                                     | 108                            | 100                              |                     | 285                        | 90                       |
| 12                    | 403                      | 55                 | 471.960                                              | .11                                                    | .26                                                      | .26    | 226                                     | 108                            | 100                              |                     | 300                        | 90                       |
| 13                    | 406                      | 0                  | 472.681                                              | .173                                                   | .40                                                      | .40    | 235                                     | 100                            | 100                              |                     |                            |                          |

COMMENTS:  
12

VLC 24 + 635 = 659

A00003

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Cont.  
Fryer  
ABI #1

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                                                                                         |                       | TARE + SAMPLE WEIGHT |           |  |
|-------------|-----------|---------------------------------------------------------------------------------------------------------|-----------------------|----------------------|-----------|--|
| 1. 100.4397 | 9. _____  | <b>Probe</b><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE  | 71.8                  | 1. 100.8575          | 9. _____  |  |
| 2. 100.4396 | 10. _____ |                                                                                                         | FILTER OR CONTAINER # | 2. 100.4769          | 10. _____ |  |
| 3. 100.4393 | 11. _____ |                                                                                                         | 100.4742              | 3. 100.4760          | 11. _____ |  |
| 4. _____    | 12. _____ |                                                                                                         | 100.4396              | 4. 100.4743          | 12. _____ |  |
| 5. _____    | 13. _____ |                                                                                                         | 0.0350                | 5. 100.4743          | 13. _____ |  |
| 6. _____    | 14. _____ |                                                                                                         | 0.0346                | 6. 100.4740          | 14. _____ |  |
| 7. _____    | 15. _____ |                                                                                                         | 0.0345                | 7. _____             | 15. _____ |  |
| 8. _____    | 16. _____ |                                                                                                         |                       | 8. _____             | 16. _____ |  |
| 1. 0.6049   | 9. _____  | <b>Filter</b><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE | 4.147                 | 1. 0.5311            | 9. _____  |  |
| 2. 0.6049   | 10. _____ |                                                                                                         | FILTER OR CONTAINER # | 2. 0.5308            | 10. _____ |  |
| 3. 0.6049   | 11. _____ |                                                                                                         | 0.5308                | 3. 0.5314            | 11. _____ |  |
| 4. _____    | 12. _____ |                                                                                                         | 0.6049                | 4. _____             | 12. _____ |  |
| 5. _____    | 13. _____ |                                                                                                         | 0.0741                | 5. _____             | 13. _____ |  |
| 6. _____    | 14. _____ |                                                                                                         | 0.0738                | 6. _____             | 14. _____ |  |
| 7. _____    | 15. _____ |                                                                                                         |                       | 7. _____             | 15. _____ |  |
| 8. _____    | 16. _____ |                                                                                                         |                       | 8. _____             | 16. _____ |  |
| 1. 104.4507 | 9. _____  | <b>Imp I</b><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE  | 58.8                  | 1. 104.4528          | 9. _____  |  |
| 2. 104.4506 | 10. _____ |                                                                                                         | FILTER OR CONTAINER # | 2. 104.4500          | 10. _____ |  |
| 3. 104.4507 | 11. _____ |                                                                                                         | 104.4503              | 3. 104.4513          | 11. _____ |  |
| 4. _____    | 12. _____ |                                                                                                         | 104.4507              | 4. 104.4504          | 12. _____ |  |
| 5. _____    | 13. _____ |                                                                                                         | 0.0004                | 5. 104.4506          | 13. _____ |  |
| 6. _____    | 14. _____ |                                                                                                         |                       | 6. _____             | 14. _____ |  |
| 7. _____    | 15. _____ |                                                                                                         |                       | 7. _____             | 15. _____ |  |
| 8. _____    | 16. _____ |                                                                                                         |                       | 8. _____             | 16. _____ |  |
| 1. 94.7642  | 9. _____  | <b>Imp O</b><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE  | 68.8                  | 1. 94.8093           | 9. _____  |  |
| 2. 94.7630  | 10. _____ |                                                                                                         | FILTER OR CONTAINER # | 2. 94.8114           | 10. _____ |  |
| 3. 94.7629  | 11. _____ |                                                                                                         | 94.8115               | 3. 94.8117           | 11. _____ |  |
| 4. _____    | 12. _____ |                                                                                                         | 94.7636               | 4. 94.8114           | 12. _____ |  |
| 5. _____    | 13. _____ |                                                                                                         | 0.0479                | 5. _____             | 13. _____ |  |
| 6. _____    | 14. _____ |                                                                                                         | 0.0481                | 6. _____             | 14. _____ |  |
| 7. _____    | 15. _____ |                                                                                                         |                       | 7. _____             | 15. _____ |  |
| 8. _____    | 16. _____ |                                                                                                         |                       | 8. _____             | 16. _____ |  |

A00004

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Cont. Fryer  
ABI #2

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                     |              | TARE + SAMPLE WEIGHT |           |
|--------------------|-----------|---------------------|--------------|----------------------|-----------|
| 1. <u>96.3636</u>  | 9. _____  | <u>Probe</u>        | <u>72.8</u>  | 1. <u>96.3918</u>    | 9. _____  |
| 2. <u>96.3643</u>  | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>96.3905</u>    | 10. _____ |
| 3. <u>96.3639</u>  | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>96.3899</u>    | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. <u>96.3896</u>    | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |
|                    |           |                     |              |                      |           |
| 1. <u>10.6085</u>  | 9. _____  | <u>Filter</u>       | <u>4.149</u> | 1. <u>10.5365</u>    | 9. _____  |
| 2. <u>10.6087</u>  | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>10.5358</u>    | 10. _____ |
| 3. <u>10.6086</u>  | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>10.5357</u>    | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. _____             | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |
|                    |           |                     |              |                      |           |
| 1. <u>100.6787</u> | 9. _____  | <u>Imp I</u>        | <u>53.8</u>  | 1. <u>100.6799</u>   | 9. _____  |
| 2. <u>100.6784</u> | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>100.6790</u>   | 10. _____ |
| 3. <u>100.6793</u> | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>100.6787</u>   | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. <u>100.6786</u>   | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |
|                    |           |                     |              |                      |           |
| 1. <u>98.1090</u>  | 9. _____  | <u>Imp O</u>        | <u>70.8</u>  | 1. <u>98.1317</u>    | 9. _____  |
| 2. <u>98.1075</u>  | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>98.1337</u>    | 10. _____ |
| 3. <u>98.1090</u>  | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>98.1336</u>    | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. <u>98.1358</u>    | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |
|                    |           |                     |              |                      |           |

A00005

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

ABI #3  
Cont. Fryer

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

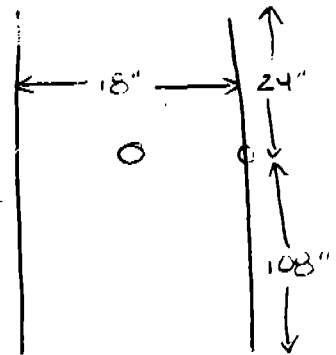
Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                                 |                       | TARE + SAMPLE WEIGHT |           |
|--------------------|-----------|---------------------------------|-----------------------|----------------------|-----------|
| 1. <u>96.3199</u>  | 9. _____  | <u>Probe</u>                    | <u>67.8</u>           | 1. <u>96.3521</u>    | 9. _____  |
| 2. <u>96.3192</u>  | 10. _____ |                                 |                       | 2. <u>96.3502</u>    | 10. _____ |
| 3. <u>96.3191</u>  | 11. _____ |                                 |                       | 3. <u>96.3500</u>    | 11. _____ |
| 4. _____           | 12. _____ | SAMPLE NUMBER                   | FILTER OR CONTAINER # | 4. <u>96.3498</u>    | 12. _____ |
| 5. _____           | 13. _____ | FILTER OR CONTAINER PLUS SAMPLE | <u>96.3500</u>        | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR CONTAINER TARE        | <u>96.3194</u>        | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | SAMPLE                          | <u>0.0306</u>         | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ |                                 |                       | 8. _____             | 16. _____ |
| 1. <u>0.6095</u>   | 9. _____  | <u>Filter</u>                   | <u>4.150</u>          | 1. <u>0.6183</u>     | 9. _____  |
| 2. <u>0.6095</u>   | 10. _____ |                                 |                       | 2. <u>0.6185</u>     | 10. _____ |
| 3. <u>0.6094</u>   | 11. _____ |                                 |                       | 3. <u>0.6185</u>     | 11. _____ |
| 4. _____           | 12. _____ | SAMPLE NUMBER                   | FILTER OR CONTAINER # | 4. _____             | 12. _____ |
| 5. _____           | 13. _____ | FILTER OR CONTAINER PLUS SAMPLE | <u>0.6184</u>         | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR CONTAINER TARE        | <u>0.6095</u>         | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | SAMPLE                          | <u>0.0089</u>         | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ |                                 |                       | 8. _____             | 16. _____ |
| 1. <u>99.0955</u>  | 9. _____  | <u>Imp. I</u>                   | <u>55.8</u>           | 1. <u>99.0960</u>    | 9. _____  |
| 2. <u>99.0953</u>  | 10. _____ |                                 |                       | 2. <u>99.0951</u>    | 10. _____ |
| 3. <u>99.0946</u>  | 11. _____ |                                 |                       | 3. <u>99.0950</u>    | 11. _____ |
| 4. _____           | 12. _____ | SAMPLE NUMBER                   | FILTER OR CONTAINER # | 4. _____             | 12. _____ |
| 5. _____           | 13. _____ | FILTER OR CONTAINER PLUS SAMPLE | <u>99.0954</u>        | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR CONTAINER TARE        | <u>99.0951</u>        | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | SAMPLE                          | <u>0.0003</u>         | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ |                                 |                       | 8. _____             | 16. _____ |
| 1. <u>104.2416</u> | 9. _____  | <u>Imp. O</u>                   | <u>69.8</u>           | 1. <u>104.2632</u>   | 9. _____  |
| 2. <u>104.2398</u> | 10. _____ |                                 |                       | 2. <u>104.2624</u>   | 10. _____ |
| 3. <u>104.2397</u> | 11. _____ |                                 |                       | 3. <u>104.2634</u>   | 11. _____ |
| 4. _____           | 12. _____ | SAMPLE NUMBER                   | FILTER OR CONTAINER # | 4. _____             | 12. _____ |
| 5. _____           | 13. _____ | FILTER OR CONTAINER PLUS SAMPLE | <u>104.2630</u>       | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR CONTAINER TARE        | <u>104.2404</u>       | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | SAMPLE                          | <u>0.0226</u>         | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ |                                 |                       | 8. _____             | 16. _____ |

A00006

PLANT Eagle Snacks  
DATE 10-11-90  
SAMPLING LOCATION Tortilla Line  
INSIDE OF FAR WALL TO  
OUTSIDE OF NIPPLE, (DISTANCE A) 18"  
INSIDE OF NEAR WALL TO  
OUTSIDE OF NIPPLE, (DISTANCE B) 0  
STACK I.D., (DISTANCE A - DISTANCE B) 18"  
NEAREST UPSTREAM DISTURBANCE 24" 1.33 dd  
NEAREST DOWNSTREAM DISTURBANCE 108" 6 dd  
CALCULATOR \_\_\_\_\_

[illegible]

7826 24

0921

FIELD DATA

PLANT Eagle Slacks  
DATE 10-11-90  
SAMPLING LOCATION Terrillia Lake  
SAMPLE TYPE Water  
RUN NUMBER #4  
OPERATOR Ty Hostetler  
AMBIENT TEMPERATURE 60  
BAROMETRIC PRESSURE 29.85  
STATIC PRESSURE (P<sub>s</sub>) -0.8  
FILTER NUMBER (s) 4.150

PROBE LENGTH AND TYPE #23  
NOZZLE I.D. 0.325  
ASSUMED MOISTURE % 10%  
SAMPLE BOX NUMBER Green  
METER BOX NUMBER #260 Green  
METER ΔP # 13 (0-2")  
C FACTOR  
PROBE HEATER SETTING 250°  
HEATER BOX SETTING 275°  
REFERENCE ΔP # 2 (0-50")

#4

Postleak ✓ 0.005 of m

SCHEMATIC OF TRAVERSE POINT LAYOUT  
READ AND RECORD ALL DATA EVERY 9 MINUTES

Prebak ✓ 0.019 of m

| TRAVERSE POINT NUMBER | CLOCK TIME (24-hr CLOCK) | SAMPLING TIME, min | GAS METER READING (V <sub>m</sub> <sup>3</sup> , ft <sup>3</sup> ) | VELOCITY HEAD (ΔP <sub>s</sub> , in. H <sub>2</sub> O) | ORIFICE PRESSURE DIFFERENTIAL (ΔH, in. H <sub>2</sub> O) |        | STACK TEMPERATURE (T <sub>s</sub> ), °F | DRY GAS METER TEMPERATURE      |                                  | PUMP VACUUM, in. Hg | SAMPLE BOX TEMPERATURE, °F | IMPINGER TEMPERATURE, °F |
|-----------------------|--------------------------|--------------------|--------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------|-----------------------------------------|--------------------------------|----------------------------------|---------------------|----------------------------|--------------------------|
|                       |                          |                    |                                                                    |                                                        | DESIRED                                                  | ACTUAL |                                         | INLET (T <sub>m in</sub> ), °F | OUTLET (T <sub>m out</sub> ), °F |                     |                            |                          |
| 1                     | 841                      | 0                  | 477.335                                                            | .12                                                    | .94                                                      | .94    | 177                                     | 60                             | 60                               |                     | 275                        | 60                       |
| 2                     | 850                      | 9                  | 482.220                                                            | .12                                                    | .96                                                      | .96    | 174                                     | 70                             | 65                               |                     | 260                        | 58                       |
| 3                     | 859                      | 18                 | 487.065                                                            | .13                                                    | 1.04                                                     | 1.04   | 179                                     | 78                             | 66                               |                     | 275                        | 58                       |
| 4                     | 908                      | 27                 | 492.060                                                            | .14                                                    | 1.18                                                     | 1.18   | 152                                     | 84                             | 70                               |                     | 270                        | 56                       |
| 5                     | 917                      | 36                 | 497.425                                                            | .16                                                    | 1.36                                                     | 1.36   | 178                                     | 90                             | 76                               |                     | 260                        | 52                       |
| 6                     | 926                      | 45                 | 503.050                                                            | .14                                                    | 1.16                                                     | 1.16   | 180                                     | 98                             | 80                               |                     | 260                        | 52                       |
| 7                     | 935                      | 54                 | 508.310                                                            | .13                                                    | 1.08                                                     | 1.08   | 181                                     | 100                            | 84                               |                     | 225                        | 52                       |
| 8                     | 944                      | 63                 | 513.600                                                            | .13                                                    | 1.08                                                     | 1.08   | 182                                     | 102                            | 88                               |                     | 245                        | 52                       |
| 9                     | 953                      | 72                 | 518.840                                                            | .12                                                    | 1.00                                                     | 1.00   | 181                                     | 104                            | 90                               |                     | 235                        | 54                       |
| 10                    | 1002                     | 81                 | 523.970                                                            | .12                                                    | 1.00                                                     | 1.00   | 180                                     | 106                            | 84                               |                     | 260                        | 54                       |
| 1                     | 1011                     | 90                 | 528.865                                                            | .13                                                    | 1.10                                                     | 1.10   | 176                                     | 106                            | 96                               |                     | 270                        | 55                       |
| 2                     | 1020                     | 99                 | 534.180                                                            | .13                                                    | 1.10                                                     | 1.10   | 182                                     | 107                            | 97                               |                     | 225                        | 55                       |
| 3                     | 1029                     | 108                | 539.420                                                            | .14                                                    | 1.18                                                     | 1.18   | 182                                     | 108                            | 98                               |                     | 230                        | 56                       |
| 4                     | 1038                     | 117                | 544.945                                                            | .14                                                    | 1.18                                                     | 1.18   | 180                                     | 105                            | 98                               |                     | 235                        | 56                       |
| 5                     | 1047                     | 126                | 550.440                                                            | .16                                                    | 1.35                                                     | 1.35   | 182                                     | 106                            | 98                               |                     | 275                        | 58                       |
| 6                     | 1056                     | 135                | 556.820                                                            | .15                                                    | 1.27                                                     | 1.27   | 182                                     | 110                            | 100                              |                     | 270                        | 58                       |
| 7                     | 1105                     | 144                | 562.130                                                            | .14                                                    | 1.19                                                     | 1.19   | 183                                     | 112                            | 102                              |                     | 265                        | 58                       |
| 8                     | 1114                     | 153                | 567.900                                                            | .11                                                    | .94                                                      | .94    | 182                                     | 111                            | 103                              |                     | 260                        | 60                       |
| 9                     | 1123                     | 162                | 572.890                                                            | .11                                                    | .94                                                      | .94    | 181                                     | 112                            | 104                              |                     | 230                        | 60                       |
| 10                    | 1132                     | 171                | 577.870                                                            | .10                                                    | .85                                                      | .85    | 180                                     | 112                            | 104                              |                     | 235                        | 60                       |
|                       | 1141                     | 180                | 582.634                                                            |                                                        |                                                          |        |                                         |                                |                                  |                     |                            |                          |
|                       |                          |                    | (105.099)                                                          | (.131)                                                 |                                                          |        | (179)                                   |                                | (94)                             |                     |                            |                          |

COMMENTS:

A00008

10/25/87  
0650

# FIELD DATA

PLANT Eagle Spacks  
DATE 10-11-90  
SAMPLING LOCATION Fertilizer Line  
SAMPLE TYPE Particulate  
RUN NUMBER #5  
OPERATOR Ty Hasstriter  
AMBIENT TEMPERATURE 90°  
BAROMETRIC PRESSURE 29.85  
STATIC PRESSURE (P<sub>s</sub>) 0.08  
FILTER NUMBER (S) 4, 14, 18

PROBE LENGTH AND TYPE #23  
NOZZLE I.D. 325  
ASSUMED MOISTURE % 10%  
SAMPLE BOX NUMBER Green  
METER BOX NUMBER #36 Green  
METER ΔH # 13 (2-2")  
C FACTOR 1  
PROBE HEATER SETTING 250  
HEATER BOX SETTING 250  
REFERENCE ΔP # 2 (2-50)

063019 20

Pre-AK < 0.10 ohm  
Post-AK < 0.005 ohm

SCHEMATIC OF TRAVERSE POINT LAYOUT  
READ AND RECORD ALL DATA EVERY 2 MINUTES

| TRAVERSE POINT NUMBER | CLOCK TIME (24-hr CLOCK) | SAMPLING TIME, min | GAS METER READING (V <sub>m</sub> ft <sup>3</sup> ) | VELOCITY HEAD (ΔP <sub>s</sub> ) in. H <sub>2</sub> O | ORIFICE PRESSURE DIFFERENTIAL (ΔH), in. H <sub>2</sub> O |        | STACK TEMPERATURE (T <sub>s</sub> ) °F | DRY GAS METER TEMPERATURE     |                                 | PUMP VACUUM, in. Hg | SAMPLE BOX TEMPERATURE, °F | IMPINGING TEMPERATURE, °F |
|-----------------------|--------------------------|--------------------|-----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|--------|----------------------------------------|-------------------------------|---------------------------------|---------------------|----------------------------|---------------------------|
|                       |                          |                    |                                                     |                                                       | DESIRED                                                  | ACTUAL |                                        | INLET (T <sub>m in</sub> ) °F | OUTLET (T <sub>m out</sub> ) °F |                     |                            |                           |
| 1                     | 1231                     | 0                  | 585.454                                             | .13                                                   | 1.10                                                     | 1.10   | 178                                    | 104                           | 102                             |                     | 240                        | 80                        |
| 2                     | 1240                     | 9                  | 590.675                                             | .13                                                   | 1.10                                                     | 1.10   | 183                                    | 104                           | 105                             |                     | 275                        | 76                        |
| 3                     | 1249                     | 18                 | 596.030                                             | .13                                                   | 1.11                                                     | 1.11   | 184                                    | 113                           | 107                             |                     | 250                        | 70                        |
| 4                     | 1258                     | 27                 | 601.500                                             | .13                                                   | 1.22                                                     | 1.22   | 127                                    | 116                           | 108                             |                     | 240                        | 68                        |
| 5                     | 107                      | 36                 | 607.020                                             | .15                                                   | 1.41                                                     | 1.41   | 129                                    | 120                           | 110                             |                     | 225                        | 66                        |
| 6                     | 116                      | 45                 | 613.060                                             | .13                                                   | 1.23                                                     | 1.23   | 130                                    | 124                           | 112                             |                     | 240                        | 66                        |
| 7                     | 125                      | 54                 | 618.800                                             | .13                                                   | 1.22                                                     | 1.22   | 132                                    | 122                           | 114                             |                     | 260                        | 66                        |
| 8                     | 134                      | 63                 | 624.450                                             | .12                                                   | 1.13                                                     | 1.13   | 133                                    | 122                           | 114                             |                     | 275                        | 66                        |
| 9                     | 143                      | 72                 | 629.900                                             | .13                                                   | 1.22                                                     | 1.22   | 131                                    | 123                           | 114                             |                     | 250                        | 68                        |
| 10                    | 152                      | 81                 | 635.590                                             | .13                                                   | 1.23                                                     | 1.23   | 129                                    | 120                           | 114                             |                     | 245                        | 68                        |
| 1                     | 201                      | 90                 | 641.330                                             | .15                                                   | 1.42                                                     | 1.42   | 127                                    | 120                           | 114                             |                     | 250                        | 68                        |
| 2                     | 210                      | 99                 | 647.360                                             | .14                                                   | 1.53                                                     | 1.53   | 126                                    | 124                           | 114                             |                     | 275                        | 68                        |
| 3                     | 219                      | 108                | 653.270                                             | .14                                                   | 1.32                                                     | 1.32   | 133                                    | 125                           | 115                             |                     | 275                        | 68                        |
| 4                     | 228                      | 117                | 659.170                                             | .14                                                   | 1.33                                                     | 1.33   | 130                                    | 125                           | 116                             |                     | 275                        | 68                        |
| 5                     | 237                      | 126                | 665.065                                             | .16                                                   | 1.51                                                     | 1.51   | 133                                    | 124                           | 116                             |                     | 280                        | 68                        |
| 6                     | 246                      | 135                | 671.315                                             | .14                                                   | 1.33                                                     | 1.33   | 128                                    | 124                           | 116                             |                     | 250                        | 66                        |
| 7                     | 255                      | 144                | 677.240                                             | .13                                                   | 1.25                                                     | 1.25   | 123                                    | 125                           | 116                             |                     | 250                        | 66                        |
| 8                     | 304                      | 153                | 682.975                                             | .12                                                   | 1.15                                                     | 1.15   | 124                                    | 121                           | 119                             |                     | 230                        | 66                        |
| 9                     | 313                      | 162                | 688.540                                             | .12                                                   | 1.15                                                     | 1.15   | 128                                    | 126                           | 120                             |                     | 275                        | 68                        |
| 10                    | 321                      | 171                | 694.050                                             | .10                                                   | .97                                                      | .97    | 120                                    | 126                           | 120                             |                     | 250                        | 70                        |
|                       | 331                      | 180                | 699.230                                             |                                                       |                                                          |        |                                        |                               |                                 |                     |                            |                           |
|                       |                          |                    | 113.776                                             | .132                                                  | 1.24                                                     | 1.24   | 136                                    |                               | 117                             |                     |                            |                           |

COMMENTS:

VLC 27 + 399 = 426

REA 10-11-90

A00009



## FIELD DATA

PLANT Eagle Shacks  
 DATE 10-12-90  
 SAMPLING LOCATION Toxillo Line  
 SAMPLE TYPE Particulate  
 RUN NUMBER #6  
 OPERATOR J. Haster  
 AMBIENT TEMPERATURE 61°  
 BAROMETRIC PRESSURE 29.85  
 STATIC PRESSURE, (P<sub>s</sub>) -0.08  
 FILTER NUMBER (s) 4

PROBE LENGTH AND TYPE #23  
 NOZZLE I.D. .325  
 ASSUMED MOISTURE, % 10%  
 SAMPLE BOX NUMBER Green  
 MEASUREMENT BOX NUMBER #26 (Green)  
 METER AN<sub>0</sub> #13 (0-2")  
 C FACTOR   
 PROBE HEATER SETTING 250  
 HEATER BOX SETTING 250  
 REFERENCE AP #2 (0-50")

03 E 14 sec

## SCHEMATIC OF TRAVERSE POINT LAYOUT

READ AND RECORD ALL DATA EVERY 9 MINUTES

| TRAVERSE POINT NUMBER | CLOCK TIME (24-hr CLOCK) | GAS METER READING (V <sub>m</sub> ), ft <sup>3</sup> | VELOCITY HEAD (ΔP <sub>s</sub> ), in. H <sub>2</sub> O | ORIFICE PRESSURE DIFFERENTIAL (ΔH), in. H <sub>2</sub> O |        | STACK TEMPERATURE (T <sub>s</sub> ), °F | DRY GAS METER TEMPERATURE      |                                  | PUMP VACUUM, in. Hg | SAMPLE BOX TEMPERATURE, °F | IMPIRINGER TEMPERATURE, °F |
|-----------------------|--------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------|-----------------------------------------|--------------------------------|----------------------------------|---------------------|----------------------------|----------------------------|
|                       |                          |                                                      |                                                        | DESIRED                                                  | ACTUAL |                                         | INLET (T <sub>m in</sub> ), °F | OUTLET (T <sub>m out</sub> ), °F |                     |                            |                            |
| 1                     | 800                      | 708.417                                              | .13                                                    | 1.04                                                     | 1.04   | 170                                     | 62                             | 60                               |                     | 280                        | 60                         |
| 2                     | 809                      | 713.305                                              | .13                                                    | .95                                                      | .95    | 175                                     | 66                             | 60                               |                     | 275                        | 58                         |
| 3                     | 818                      | 718.095                                              | .12                                                    | 1.04                                                     | 1.04   | 175                                     | 76                             | 64                               |                     | 225                        | 56                         |
| 4                     | 827                      | 723.120                                              | .13                                                    | 1.14                                                     | 1.14   | 175                                     | 84                             | 68                               |                     | 275                        | 58                         |
| 5                     | 836                      | 728.380                                              | .14                                                    | 1.23                                                     | 1.23   | 174                                     | 84                             | 72                               |                     | 280                        | 60                         |
| 6                     | 845                      | 733.830                                              | .15                                                    | .99                                                      | .99    | 173                                     | 88                             | 74                               |                     | 235                        | 60                         |
| 7                     | 854                      | 738.800                                              | .12                                                    | .99                                                      | .99    | 173                                     | 90                             | 78                               |                     | 235                        | 60                         |
| 8                     | 903                      | 743.680                                              | .12                                                    | 1.00                                                     | 1.00   | 173                                     | 92                             | 80                               |                     | 240                        | 60                         |
| 9                     | 912                      | 748.700                                              | .12                                                    | .92                                                      | .92    | 172                                     | 96                             | 84                               |                     | 255                        | 61                         |
| 10                    | 921                      | 753.500                                              | .11                                                    | .84                                                      | .84    | 172                                     | 97                             | 87                               |                     | 275                        | 61                         |
| 1                     | 930                      | 758.100                                              | .10                                                    | 1.10                                                     | 1.10   | 171                                     | 98                             | 88                               |                     | 275                        | 61                         |
| 2                     | 939                      | 763.300                                              | .13                                                    | 1.18                                                     | 1.18   | 173                                     | 98                             | 90                               |                     | 280                        | 61                         |
| 3                     | 948                      | 768.725                                              | .14                                                    | 1.18                                                     | 1.18   | 173                                     | 102                            | 90                               |                     | 225                        | 62                         |
| 4                     | 957                      | 774.110                                              | .14                                                    | 1.27                                                     | 1.27   | 174                                     | 100                            | 92                               |                     | 240                        | 62                         |
| 5                     | 1006                     | 779.765                                              | .15                                                    | 1.44                                                     | 1.44   | 174                                     | 101                            | 93                               |                     | 255                        | 56                         |
| 6                     | 1015                     | 785.770                                              | .17                                                    | 1.27                                                     | 1.27   | 174                                     | 102                            | 94                               |                     | 275                        | 58                         |
| 7                     | 1024                     | 791.425                                              | .15                                                    | 1.19                                                     | 1.19   | 173                                     | 104                            | 96                               |                     | 280                        | 58                         |
| 8                     | 1033                     | 796.905                                              | .14                                                    | 1.02                                                     | 1.02   | 173                                     | 104                            | 96                               |                     | 270                        | 58                         |
| 9                     | 1042                     | 802.035                                              | .12                                                    | .94                                                      | .94    | 172                                     | 105                            | 97                               |                     | 235                        | 58                         |
| 10                    | 1051                     | 806.945                                              | .11                                                    | .94                                                      | .94    | 173                                     | 105                            | 99                               |                     | 250                        | 60                         |
| 11                    | 1100                     | 811.858                                              | .11                                                    |                                                          |        |                                         |                                |                                  |                     |                            |                            |
|                       |                          | 103.441                                              | .129                                                   | 1.02                                                     | 1.02   | 173                                     |                                |                                  |                     |                            |                            |

COMMENTS:

294 + 31 grams =  
 325 vlc

A00010

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

ABI  
Tortilla #4

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                     |                 | TARE + SAMPLE WEIGHT |           |
|--------------------|-----------|---------------------|-----------------|----------------------|-----------|
| 1. <u>101.7693</u> | 9. _____  | <u>Probe</u>        | <u>64.8</u>     | 1. <u>101.7942</u>   | 9. _____  |
| 2. <u>101.7689</u> | 10. _____ | SAMPLE              | FILTER OR       | 2. <u>101.7939</u>   | 10. _____ |
| 3. <u>101.7688</u> | 11. _____ | NUMBER              | CONTAINER #     | 3. <u>101.7930</u>   | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |                 | 4. <u>101.7921</u>   | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         | <u>101.7927</u> | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |                 | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      | <u>101.7690</u> | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              | <u>0.0237</u>   | 8. _____             | 16. _____ |
| 1. <u>0.6070</u>   | 9. _____  | <u>Filter</u>       | <u>4.148</u>    | 1. <u>0.6096</u>     | 9. _____  |
| 2. <u>0.6070</u>   | 10. _____ | SAMPLE              | FILTER OR       | 2. <u>0.6098</u>     | 10. _____ |
| 3. <u>0.6070</u>   | 11. _____ | NUMBER              | CONTAINER #     | 3. <u>0.6101</u>     | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |                 | 4. _____             | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         | <u>0.6098</u>   | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |                 | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      | <u>0.6070</u>   | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              | <u>0.0028</u>   | 8. _____             | 16. _____ |
| 1. <u>102.7677</u> | 9. _____  | <u>Imp I</u>        | <u>52.8</u>     | 1. <u>102.7673</u>   | 9. _____  |
| 2. <u>102.7678</u> | 10. _____ | SAMPLE              | FILTER OR       | 2. <u>102.7670</u>   | 10. _____ |
| 3. <u>102.7670</u> | 11. _____ | NUMBER              | CONTAINER #     | 3. <u>102.7664</u>   | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |                 | 4. _____             | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         | <u>102.7669</u> | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |                 | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      | <u>102.7675</u> | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              | <u>0.0006</u>   | 8. _____             | 16. _____ |
| 1. <u>97.1649</u>  | 9. _____  | <u>Imp O</u>        | <u>66.8</u>     | 1. <u>97.1848</u>    | 9. _____  |
| 2. <u>97.1666</u>  | 10. _____ | SAMPLE              | FILTER OR       | 2. <u>97.1817</u>    | 10. _____ |
| 3. <u>97.1663</u>  | 11. _____ | NUMBER              | CONTAINER #     | 3. <u>97.1817</u>    | 11. _____ |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |                 | 4. <u>97.1811</u>    | 12. _____ |
| 5. _____           | 13. _____ | PLUS SAMPLE         | <u>97.1815</u>  | 5. _____             | 13. _____ |
| 6. _____           | 14. _____ | FILTER OR           |                 | 6. _____             | 14. _____ |
| 7. _____           | 15. _____ | CONTAINER TARE      | <u>97.1659</u>  | 7. _____             | 15. _____ |
| 8. _____           | 16. _____ | SAMPLE              | <u>0.0156</u>   | 8. _____             | 16. _____ |

A00011

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box under Sample column.

ABI  
Tortilla #5

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                                                                                                         |                    |                                                                                           | TARE + SAMPLE WEIGHT |          |  |
|--------------------|-----------|---------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------|----------------------|----------|--|
| 1. <u>101.2198</u> | 9. _____  | <u>Probe</u><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE  | <u>62.8</u>        | FILTER OR CONTAINER #<br><u>101.2405</u><br><u>101.2199</u><br><u>0.0206</u>              | 1. <u>101.2418</u>   | 9. _____ |  |
| 2. <u>101.2200</u> | 10. _____ |                                                                                                         | 2. <u>101.2404</u> |                                                                                           | 10. _____            |          |  |
| 3. <u>101.2199</u> | 11. _____ |                                                                                                         | 3. <u>101.2406</u> |                                                                                           | 11. _____            |          |  |
| 4. _____           | 12. _____ |                                                                                                         | 4. <u>101.2406</u> |                                                                                           | 12. _____            |          |  |
| 5. _____           | 13. _____ |                                                                                                         | 5. _____           |                                                                                           | 13. _____            |          |  |
| 6. _____           | 14. _____ |                                                                                                         | 6. _____           |                                                                                           | 14. _____            |          |  |
| 7. _____           | 15. _____ |                                                                                                         | 7. _____           |                                                                                           | 15. _____            |          |  |
| 8. _____           | 16. _____ |                                                                                                         | 8. _____           |                                                                                           | 16. _____            |          |  |
| 1. <u>0.6046</u>   | 9. _____  | <u>Filter</u><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE | <u>4.146</u>       | FILTER OR CONTAINER #<br><u>0.6124</u><br><u>0.6047</u><br><u>0.0077</u><br><u>0.6078</u> | 1. <u>0.6121</u>     | 9. _____ |  |
| 2. <u>0.6048</u>   | 10. _____ |                                                                                                         | 2. <u>0.6123</u>   |                                                                                           | 10. _____            |          |  |
| 3. <u>0.6045</u>   | 11. _____ |                                                                                                         | 3. <u>0.6129</u>   |                                                                                           | 11. _____            |          |  |
| 4. _____           | 12. _____ |                                                                                                         | 4. _____           |                                                                                           | 12. _____            |          |  |
| 5. _____           | 13. _____ |                                                                                                         | 5. _____           |                                                                                           | 13. _____            |          |  |
| 6. _____           | 14. _____ |                                                                                                         | 6. _____           |                                                                                           | 14. _____            |          |  |
| 7. _____           | 15. _____ |                                                                                                         | 7. _____           |                                                                                           | 15. _____            |          |  |
| 8. _____           | 16. _____ |                                                                                                         | 8. _____           |                                                                                           | 16. _____            |          |  |
| 1. <u>102.3676</u> | 9. _____  | <u>Imp O</u><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE  | <u>61.8</u>        | FILTER OR CONTAINER #<br><u>102.4024</u><br><u>102.3676</u><br><u>0.0348</u>              | 1. <u>102.4002</u>   | 9. _____ |  |
| 2. <u>102.3674</u> | 10. _____ |                                                                                                         | 2. <u>102.4022</u> |                                                                                           | 10. _____            |          |  |
| 3. <u>102.3677</u> | 11. _____ |                                                                                                         | 3. <u>102.4024</u> |                                                                                           | 11. _____            |          |  |
| 4. _____           | 12. _____ |                                                                                                         | 4. <u>102.4026</u> |                                                                                           | 12. _____            |          |  |
| 5. _____           | 13. _____ |                                                                                                         | 5. _____           |                                                                                           | 13. _____            |          |  |
| 6. _____           | 14. _____ |                                                                                                         | 6. _____           |                                                                                           | 14. _____            |          |  |
| 7. _____           | 15. _____ |                                                                                                         | 7. _____           |                                                                                           | 15. _____            |          |  |
| 8. _____           | 16. _____ |                                                                                                         | 8. _____           |                                                                                           | 16. _____            |          |  |
| 1. <u>96.6508</u>  | 9. _____  | <u>Imp I</u><br>SAMPLE NUMBER<br>FILTER OR CONTAINER PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE  | <u>50.8</u>        | FILTER OR CONTAINER #<br><u>96.6506</u><br><u>96.6509</u><br><u>0.0003</u>                | 1. <u>96.6511</u>    | 9. _____ |  |
| 2. <u>96.6509</u>  | 10. _____ |                                                                                                         | 2. <u>96.6501</u>  |                                                                                           | 10. _____            |          |  |
| 3. <u>96.6509</u>  | 11. _____ |                                                                                                         | 3. <u>96.6506</u>  |                                                                                           | 11. _____            |          |  |
| 4. _____           | 12. _____ |                                                                                                         | 4. _____           |                                                                                           | 12. _____            |          |  |
| 5. _____           | 13. _____ |                                                                                                         | 5. _____           |                                                                                           | 13. _____            |          |  |
| 6. _____           | 14. _____ |                                                                                                         | 6. _____           |                                                                                           | 14. _____            |          |  |
| 7. _____           | 15. _____ |                                                                                                         | 7. _____           |                                                                                           | 15. _____            |          |  |
| 8. _____           | 16. _____ |                                                                                                         | 8. _____           |                                                                                           | 16. _____            |          |  |

A00012

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column,

ABI  
Tortilla #6

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                     |              | TARE + SAMPLE WEIGHT |           |  |  |
|--------------------|-----------|---------------------|--------------|----------------------|-----------|--|--|
| 1. <u>102.7333</u> | 9. _____  | <u>Probe</u>        | <u>59.8</u>  | 1. <u>102.7542</u>   | 9. _____  |  |  |
| 2. <u>102.7322</u> | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>102.7525</u>   | 10. _____ |  |  |
| 3. <u>102.7322</u> | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>102.7532</u>   | 11. _____ |  |  |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. <u>102.7532</u>   | 12. _____ |  |  |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |  |  |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |  |  |
| 1. <u>0.5215</u>   | 9. _____  | <u>Filter</u>       | <u>4.141</u> | 1. <u>0.6113</u>     | 9. _____  |  |  |
| 2. <u>0.5212</u>   | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>0.6110</u>     | 10. _____ |  |  |
| 3. <u>0.5206</u>   | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>0.6112</u>     | 11. _____ |  |  |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. _____             | 12. _____ |  |  |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |  |  |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |  |  |
| 1. <u>98.1090</u>  | 9. _____  | <u>Imp 0</u>        | <u>70.8</u>  | 1. _____             | 9. _____  |  |  |
| 2. <u>98.1075</u>  | 10. _____ | SAMPLE              | FILTER OR    | 2. _____             | 10. _____ |  |  |
| 3. <u>98.1090</u>  | 11. _____ | NUMBER              | CONTAINER #  | 3. _____             | 11. _____ |  |  |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. _____             | 12. _____ |  |  |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. _____             | 13. _____ |  |  |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |  |  |
| 1. <u>104.2990</u> | 9. _____  | <u>Imp I</u>        | <u>49.8</u>  | 1. <u>104.2991</u>   | 9. _____  |  |  |
| 2. <u>104.3002</u> | 10. _____ | SAMPLE              | FILTER OR    | 2. <u>104.2973</u>   | 10. _____ |  |  |
| 3. <u>104.3000</u> | 11. _____ | NUMBER              | CONTAINER #  | 3. <u>104.2974</u>   | 11. _____ |  |  |
| 4. _____           | 12. _____ | FILTER OR CONTAINER |              | 4. <u>104.2985</u>   | 12. _____ |  |  |
| 5. _____           | 13. _____ | PLUS SAMPLE         |              | 5. <u>104.2978</u>   | 13. _____ |  |  |
| 6. _____           | 14. _____ | FILTER OR           |              | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ | CONTAINER TARE      |              | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ | SAMPLE              |              | 8. _____             | 16. _____ |  |  |

A00013

PLANT EAGLE SNACKS  
DATE 10-10-90  
SAMPLING LOCATION --FRYER  
SAMPLE TYPE PART 812  
RUN NUMBER #1  
OPERATOR POONING  
AMBIENT TEMPERATURE 80  
BAROMETRIC PRESSURE 29.85  
STATIC PRESSURE, (P<sub>s</sub>) -1.50  
FILTER NUMBER (s) A-1

PROBE LENGTH AND TYPE \_\_\_\_\_  
NOZZLE I.D. 1.390  
ASSUMED MOISTURE, % \_\_\_\_\_  
SAMPLE BOX NUMBER \_\_\_\_\_  
METER BOX NUMBER \_\_\_\_\_  
METER  $\Delta H_e$  \_\_\_\_\_  
C FACTOR \_\_\_\_\_  
PROBE HEATER SETTING \_\_\_\_\_  
HEATER BOX SETTING \_\_\_\_\_  
REFERENCE  $\Delta D$  \_\_\_\_\_

### SCHEMATIC OF TRAVERSE POINT LAYOUT

READ AND RECORD ALL DATA EVERY \_\_\_\_\_ MINUTES

[illegible]

**COMMENTS:**

VLC 369

سید

2#

PROBE LENGTH AND TYPE \_\_\_\_\_  
NOZZLE I.D. \_\_\_\_\_  
ASSUMED MOISTURE, % \_\_\_\_\_  
SAMPLE BOX NUMBER \_\_\_\_\_  
METER BOX NUMBER \_\_\_\_\_  
METER  $\Delta H_e$  \_\_\_\_\_  
C FACTOR \_\_\_\_\_  
PROBE HEATER SETTING \_\_\_\_\_  
HEATER BOX SETTING \_\_\_\_\_  
REFERENCE  $\Delta p$  \_\_\_\_\_

SCHEMATIC OF TRAVERSE POINT LAYOUT

DO RECORD ALL DATA EVERY \_\_\_\_\_ MINUTES

206

EPA (DUP) 235

**A00015**

## FIELD DATA

PROBE LENGTH AND TYPE \_\_\_\_\_  
NOZZLE I.D. \_\_\_\_\_  
ASSUMED MOISTURE, % \_\_\_\_\_  
SAMPLE BOX NUMBER \_\_\_\_\_  
METER BOX NUMBER \_\_\_\_\_  
METER  $\Delta H_e$  \_\_\_\_\_  
C FACTOR \_\_\_\_\_  
PROBE HEATER SETTING \_\_\_\_\_  
HEATER BOX SETTING \_\_\_\_\_  
REFERENCE  $\Delta p$  \_\_\_\_\_

PLANT \_\_\_\_\_  
DATE \_\_\_\_\_  
SAMPLING LOCATION \_\_\_\_\_  
SAMPLE TYPE \_\_\_\_\_  
RUN NUMBER \_\_\_\_\_  
OPERATOR \_\_\_\_\_  
AMBIENT TEMPERATURE \_\_\_\_\_  
BAROMETRIC PRESSURE \_\_\_\_\_  
STATIC PRESSURE, (P<sub>s</sub>) \_\_\_\_\_  
FILTER NUMBER (s) \_\_\_\_\_ A-3

Post leak  $\checkmark$  0.030

### SCHEMATIC OF TRAVERSE POINT LAYOUT

READ AND RECORD ALL DATA EVERY \_\_\_\_\_ MINUTES

[illegible]

**COMMENTS:**

25

## FIELD DATA

PROBE LENGTH AND TYPE \_\_\_\_\_  
NOZZLE I.D. 32 \_\_\_\_\_  
ASSUMED MOISTURE, % \_\_\_\_\_  
SAMPLE BOX NUMBER \_\_\_\_\_  
METER BOX NUMBER # B8-700297 \_\_\_\_\_  
METER ΔH # 7 (0-2") \_\_\_\_\_  
C FACTOR \_\_\_\_\_  
PROBE HEATER SETTING \_\_\_\_\_  
HEATER BOX SETTING \_\_\_\_\_  
REFERENCE ΔD \_\_\_\_\_

Circle 11/12/13

[illegible]

VLC 101

**A00017**



PLANT \_\_\_\_\_  
DATE \_\_\_\_\_  
SAMPLING LOCATION \_\_\_\_\_  
SAMPLE TYPE \_\_\_\_\_  
RUN NUMBER \_\_\_\_\_  
OPERATOR \_\_\_\_\_  
AMBIENT TEMPERATURE \_\_\_\_\_  
BAROMETRIC PRESSURE \_\_\_\_\_  
STATIC PRESSURE, (P<sub>s</sub>) \_\_\_\_\_  
FILTER NUMBER (s) \_\_\_\_\_

PROBE LENGTH AND TYPE \_\_\_\_\_  
 NOZZLE I.D. \_\_\_\_\_  
 ASSUMED MOISTURE, % \_\_\_\_\_  
 SAMPLE BOX NUMBER \_\_\_\_\_  
 METER BOX NUMBER \_\_\_\_\_  
 METER  $\Delta H$  \_\_\_\_\_  
 C FACTOR \_\_\_\_\_  
 PROBE HEATER SETTING \_\_\_\_\_  
 HEATER BOX SETTING \_\_\_\_\_  
 REFERENCE AD \_\_\_\_\_

**SCHEMATIC OF TRAVERSE POINT LAYOUT**  
**READ AND RECORD ALL DATA EVERY \_\_\_\_\_ MINUTES**

[illegible]

**COMMENTS:**

EPA (Durr) 235

33

25152

A00018

9

PROBE LENGTH AND TYPE 5 steel  
NOZZLE I.D. \_\_\_\_\_  
ASSUMED MOISTURE, % 10%  
SAMPLE BOX NUMBER \_\_\_\_\_  
METER BOX NUMBER #08-70297  
METER ΔH # 7 (0-2")  
C FACTOR \_\_\_\_\_  
PROBE HEATER SETTING \_\_\_\_\_  
HEATER BOX SETTING \_\_\_\_\_  
REFERENCE AD \_\_\_\_\_

FLYER NUMBER (U) 23 011 015 of 23"

SCHEMATIC OF TRAVERSE POINT LAYOUT

READ AND RECORD ALL DATA EVERY \_\_\_\_\_ MINUTES

Post leak  $\checkmark$  < .040 cm at 24"

[illegible]

**COMMENTS:**

8 milks + 16 grams (97 vlc)

A00019

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

ABI

Particle Sizing

Fryer

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                                                                                                                                                                                      |                                                       | TARE + SAMPLE WEIGHT |           |  |  |
|--------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------|-----------|--|--|
| 1. <u>97.4282</u>  | 9. _____  | <p><u>Fryer #1</u></p> <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE <u>97.6122</u></p> <p>FILTER OR CONTAINER TARE <u>97.4285</u></p> <p>SAMPLE <u>0.1837</u></p>   | <p><u>57.8</u></p> <p>FILTER OR CONTAINER # _____</p> | 1. <u>97.5976</u>    | 9. _____  |  |  |
| 2. <u>97.4287</u>  | 10. _____ |                                                                                                                                                                                      |                                                       | 2. <u>97.6120</u>    | 10. _____ |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                      |                                                       | 3. <u>97.6156</u>    | 11. _____ |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                      |                                                       | 4. <u>97.6121</u>    | 12. _____ |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                      |                                                       | 5. <u>97.6125</u>    | 13. _____ |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                      |                                                       | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                      |                                                       | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                      |                                                       | 8. _____             | 16. _____ |  |  |
| 1. <u>105.4746</u> | 9. _____  | <p><u>Fryer #2</u></p> <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE <u>105.5115</u></p> <p>FILTER OR CONTAINER TARE <u>105.4743</u></p> <p>SAMPLE <u>0.0372</u></p> | <p><u>63.8</u></p> <p>FILTER OR CONTAINER # _____</p> | 1. <u>105.5068</u>   | 9. _____  |  |  |
| 2. <u>105.4741</u> | 10. _____ |                                                                                                                                                                                      |                                                       | 2. <u>105.5106</u>   | 10. _____ |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                      |                                                       | 3. <u>105.5109</u>   | 11. _____ |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                      |                                                       | 4. <u>105.5091</u>   | 12. _____ |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                      |                                                       | 5. <u>105.5096</u>   | 13. _____ |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                      |                                                       | 6. <u>105.5099</u>   | 14. _____ |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                      |                                                       | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                      |                                                       | 8. _____             | 16. _____ |  |  |
| 1. <u>102.9634</u> | 9. _____  | <p><u>Fryer #3</u></p> <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE <u>103.0031</u></p> <p>FILTER OR CONTAINER TARE <u>102.9629</u></p> <p>SAMPLE <u>0.0402</u></p> | <p><u>60.8</u></p> <p>FILTER OR CONTAINER # _____</p> | 1. <u>103.0025</u>   | 9. _____  |  |  |
| 2. <u>102.9624</u> | 10. _____ |                                                                                                                                                                                      |                                                       | 2. <u>103.0034</u>   | 10. _____ |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                      |                                                       | 3. <u>103.0035</u>   | 11. _____ |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                      |                                                       | 4. _____             | 12. _____ |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                      |                                                       | 5. _____             | 13. _____ |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                      |                                                       | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                      |                                                       | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                      |                                                       | 8. _____             | 16. _____ |  |  |
| 1. _____           | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE _____</p>                                                    | <p>FILTER OR CONTAINER # _____</p>                    | 1. _____             | 9. _____  |  |  |
| 2. _____           | 10. _____ |                                                                                                                                                                                      |                                                       | 2. _____             | 10. _____ |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                      |                                                       | 3. _____             | 11. _____ |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                      |                                                       | 4. _____             | 12. _____ |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                      |                                                       | 5. _____             | 13. _____ |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                      |                                                       | 6. _____             | 14. _____ |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                      |                                                       | 7. _____             | 15. _____ |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                      |                                                       | 8. _____             | 16. _____ |  |  |

A00020

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box under Sample column.

AST

Particle Sizing

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT        |           |                                                                                                                                                                                                                     |                    | TARE + SAMPLE WEIGHT |  |  |  |
|--------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|--|--|--|
| 1. <u>100.7692</u> | 9. _____  | <p><u>Chip #4</u> <u>54.3</u></p> <p>SAMPLE NUMBER _____ FILTER OR CONTAINER # _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE <u>100.7693</u></p> <p>SAMPLE <u>100.7693</u></p> | 1. <u>100.7813</u> | 9. _____             |  |  |  |
| 2. <u>100.7693</u> | 10. _____ |                                                                                                                                                                                                                     | 2. <u>100.7811</u> | 10. _____            |  |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                                                     | 3. <u>100.7808</u> | 11. _____            |  |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                                                     | 4. _____           | 12. _____            |  |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                                                     | 5. _____           | 13. _____            |  |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                                                     | 6. _____           | 14. _____            |  |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                                                     | 7. _____           | 15. _____            |  |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                                                     | 8. _____           | 16. _____            |  |  |  |
| 1. <u>103.7317</u> | 9. _____  | <p><u>Chip #5</u> <u>48.8</u></p> <p>SAMPLE NUMBER _____ FILTER OR CONTAINER # _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE <u>103.7318</u></p> <p>SAMPLE <u>103.7318</u></p> | 1. <u>103.7590</u> | 9. _____             |  |  |  |
| 2. <u>103.7319</u> | 10. _____ |                                                                                                                                                                                                                     | 2. <u>103.7599</u> | 10. _____            |  |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                                                     | 3. <u>103.7605</u> | 11. _____            |  |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                                                     | 4. <u>103.7600</u> | 12. _____            |  |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                                                     | 5. _____           | 13. _____            |  |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                                                     | 6. _____           | 14. _____            |  |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                                                     | 7. _____           | 15. _____            |  |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                                                     | 8. _____           | 16. _____            |  |  |  |
| 1. <u>89.3222</u>  | 9. _____  | <p><u>Chip #6</u> <u>51.8</u></p> <p>SAMPLE NUMBER _____ FILTER OR CONTAINER # _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE <u>89.3222</u></p> <p>SAMPLE <u>0.0183</u></p>    | 1. <u>89.3405</u>  | 9. _____             |  |  |  |
| 2. <u>89.3222</u>  | 10. _____ |                                                                                                                                                                                                                     | 2. <u>89.3404</u>  | 10. _____            |  |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                                                     | 3. <u>89.3406</u>  | 11. _____            |  |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                                                     | 4. _____           | 12. _____            |  |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                                                     | 5. _____           | 13. _____            |  |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                                                     | 6. _____           | 14. _____            |  |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                                                     | 7. _____           | 15. _____            |  |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                                                     | 8. _____           | 16. _____            |  |  |  |
| 1. _____           | 9. _____  | <p>SAMPLE NUMBER _____ FILTER OR CONTAINER # _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE _____</p>                                                       | 1. _____           | 9. _____             |  |  |  |
| 2. _____           | 10. _____ |                                                                                                                                                                                                                     | 2. _____           | 10. _____            |  |  |  |
| 3. _____           | 11. _____ |                                                                                                                                                                                                                     | 3. _____           | 11. _____            |  |  |  |
| 4. _____           | 12. _____ |                                                                                                                                                                                                                     | 4. _____           | 12. _____            |  |  |  |
| 5. _____           | 13. _____ |                                                                                                                                                                                                                     | 5. _____           | 13. _____            |  |  |  |
| 6. _____           | 14. _____ |                                                                                                                                                                                                                     | 6. _____           | 14. _____            |  |  |  |
| 7. _____           | 15. _____ |                                                                                                                                                                                                                     | 7. _____           | 15. _____            |  |  |  |
| 8. _____           | 16. _____ |                                                                                                                                                                                                                     | 8. _____           | 16. _____            |  |  |  |

A00021

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

ABF PS  
cont #1  
FRYER A-1

Requestor \_\_\_\_\_  
JN \_\_\_\_\_  
Assigned to \_\_\_\_\_  
Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                    |                                 | TARE + SAMPLE WEIGHT |           |  |  |
|-------------|-----------|------------------------------------|---------------------------------|----------------------|-----------|--|--|
| 1. 1516     | 9. _____  | SAMPLE<br>NUMBER                   | S-1<br>FILTER OR<br>CONTAINER # | 1. 1507              | 9. _____  |  |  |
| 2. 1515     | 10. _____ |                                    |                                 | 2. 1507              | 10. _____ |  |  |
| 3. 1515     | 11. _____ |                                    |                                 | 3. 1505              | 11. _____ |  |  |
| 4. _____    | 12. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | SAMPLE                             | -0                              | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                    |                                 | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |
| 1. 1376     | 9. _____  | SAMPLE<br>NUMBER                   | S-2<br>FILTER OR<br>CONTAINER # | 1. 1356              | 9. _____  |  |  |
| 2. 1376     | 10. _____ |                                    |                                 | 2. 1357              | 10. _____ |  |  |
| 3. 1376     | 11. _____ |                                    |                                 | 3. 1356              | 11. _____ |  |  |
| 4. _____    | 12. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | SAMPLE                             | -0                              | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                    |                                 | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |
| 1. 1511     | 9. _____  | SAMPLE<br>NUMBER                   | S-3<br>FILTER OR<br>CONTAINER # | 1. 1498              | 9. _____  |  |  |
| 2. 1511     | 10. _____ |                                    |                                 | 2. 1497              | 10. _____ |  |  |
| 3. 1511     | 11. _____ |                                    |                                 | 3. 1490              | 11. _____ |  |  |
| 4. _____    | 12. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | SAMPLE                             | -0                              | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                    |                                 | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |
| 1. 1372     | 9. _____  | SAMPLE<br>NUMBER                   | S-4<br>FILTER OR<br>CONTAINER # | 1. 1378              | 9. _____  |  |  |
| 2. 1371     | 10. _____ |                                    |                                 | 2. 1374              | 10. _____ |  |  |
| 3. 1373     | 11. _____ |                                    |                                 | 3. 1372              | 11. _____ |  |  |
| 4. _____    | 12. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | SAMPLE                             | _____                           | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                    |                                 | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |

0.0

0.0

0.0

0.0

A00022

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT     |           |                                                                                                             |                                        | TARE + SAMPLE WEIGHT |           |  |  |
|-----------------|-----------|-------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------|-----------|--|--|
| 1. <u>.1511</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-5</u><br>FILTER OR<br>CONTAINER # | 1. <u>.1508</u>      | 9. _____  |  |  |
| 2. <u>.1512</u> | 10. _____ |                                                                                                             |                                        | 2. <u>.1509</u>      | 10. _____ |  |  |
| 3. <u>.1510</u> | 11. _____ |                                                                                                             |                                        | 3. <u>.1506</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                             |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                             |                                        | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                             |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                             |                                        | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                             |                                        | 8. _____             | 16. _____ |  |  |
| 1. <u>.1377</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-6</u><br>FILTER OR<br>CONTAINER # | 1. <u>.1385</u>      | 9. _____  |  |  |
| 2. <u>.1377</u> | 10. _____ |                                                                                                             |                                        | 2. <u>.1388</u>      | 10. _____ |  |  |
| 3. <u>.1372</u> | 11. _____ |                                                                                                             |                                        | 3. <u>.1389</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                             |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                             |                                        | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                             |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                             |                                        | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                             |                                        | 8. _____             | 16. _____ |  |  |
| 1. <u>.1519</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-7</u><br>FILTER OR<br>CONTAINER # | 1. <u>.1510</u>      | 9. _____  |  |  |
| 2. <u>.1519</u> | 10. _____ |                                                                                                             |                                        | 2. <u>.1511</u>      | 10. _____ |  |  |
| 3. <u>.1519</u> | 11. _____ |                                                                                                             |                                        | 3. <u>.1500</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                             |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                             |                                        | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                             |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                             |                                        | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                             |                                        | 8. _____             | 16. _____ |  |  |
| 1. <u>.1378</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>8-8</u><br>FILTER OR<br>CONTAINER # | 1. <u>.1238</u>      | 9. _____  |  |  |
| 2. <u>.1377</u> | 10. _____ |                                                                                                             |                                        | 2. <u>.1237</u>      | 10. _____ |  |  |
| 3. <u>.1377</u> | 11. _____ |                                                                                                             |                                        | 3. <u>.1246</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                             |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                             |                                        | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                             |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                             |                                        | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                             |                                        | 8. _____             | 16. _____ |  |  |

A00023

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

A-1

ALL WEIGHTS IN GRAMS

| TARE WEIGHT    |           |                                    |                          | TARE + SAMPLE WEIGHT |           |  |  |
|----------------|-----------|------------------------------------|--------------------------|----------------------|-----------|--|--|
| 1. <u>2064</u> | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. <u>2066</u>       | 9. _____  |  |  |
| 2. <u>2064</u> | 10. _____ |                                    |                          | 2. <u>2064</u>       | 10. _____ |  |  |
| 3. <u>2064</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. <u>2067</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |                          | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |                          | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | <u>.0003</u>             | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |                          | 8. _____             | 16. _____ |  |  |

|          |           |                                    |                          |          |           |  |  |
|----------|-----------|------------------------------------|--------------------------|----------|-----------|--|--|
| 1. _____ | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. _____ | 9. _____  |  |  |
| 2. _____ | 10. _____ |                                    |                          | 2. _____ | 10. _____ |  |  |
| 3. _____ | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. _____ | 11. _____ |  |  |
| 4. _____ | 12. _____ |                                    |                          | 4. _____ | 12. _____ |  |  |
| 5. _____ | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____ | 13. _____ |  |  |
| 6. _____ | 14. _____ |                                    |                          | 6. _____ | 14. _____ |  |  |
| 7. _____ | 15. _____ | SAMPLE                             |                          | 7. _____ | 15. _____ |  |  |
| 8. _____ | 16. _____ |                                    |                          | 8. _____ | 16. _____ |  |  |

|          |           |                                    |                          |          |           |  |  |
|----------|-----------|------------------------------------|--------------------------|----------|-----------|--|--|
| 1. _____ | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. _____ | 9. _____  |  |  |
| 2. _____ | 10. _____ |                                    |                          | 2. _____ | 10. _____ |  |  |
| 3. _____ | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. _____ | 11. _____ |  |  |
| 4. _____ | 12. _____ |                                    |                          | 4. _____ | 12. _____ |  |  |
| 5. _____ | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____ | 13. _____ |  |  |
| 6. _____ | 14. _____ |                                    |                          | 6. _____ | 14. _____ |  |  |
| 7. _____ | 15. _____ | SAMPLE                             |                          | 7. _____ | 15. _____ |  |  |
| 8. _____ | 16. _____ |                                    |                          | 8. _____ | 16. _____ |  |  |

|          |           |                                    |                          |          |           |  |  |
|----------|-----------|------------------------------------|--------------------------|----------|-----------|--|--|
| 1. _____ | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. _____ | 9. _____  |  |  |
| 2. _____ | 10. _____ |                                    |                          | 2. _____ | 10. _____ |  |  |
| 3. _____ | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. _____ | 11. _____ |  |  |
| 4. _____ | 12. _____ |                                    |                          | 4. _____ | 12. _____ |  |  |
| 5. _____ | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____ | 13. _____ |  |  |
| 6. _____ | 14. _____ |                                    |                          | 6. _____ | 14. _____ |  |  |
| 7. _____ | 15. _____ | SAMPLE                             |                          | 7. _____ | 15. _____ |  |  |
| 8. _____ | 16. _____ |                                    |                          | 8. _____ | 16. _____ |  |  |

13

A00024

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box under Sample column.

ABT PS  
Cont #2  
Fryer

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                    |                                 | TARE + SAMPLE WEIGHT |           |  |  |
|-------------|-----------|------------------------------------|---------------------------------|----------------------|-----------|--|--|
| 1. 1531     | 9. _____  | SAMPLE<br>NUMBER                   | S-1<br>FILTER OR<br>CONTAINER # | 1. 1431              | 9. _____  |  |  |
| 2. 11531    | 10. _____ |                                    |                                 | 2. 1432              | 10. _____ |  |  |
| 3. 1531     | 11. _____ |                                    |                                 | 3. 1422              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |                                 | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | Ø                               | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |
| 1. 1389     | 9. _____  | SAMPLE<br>NUMBER                   | S-2<br>FILTER OR<br>CONTAINER # | 1. 1361              | 9. _____  |  |  |
| 2. 11382    | 10. _____ |                                    |                                 | 2. 1360              | 10. _____ |  |  |
| 3. 11383    | 11. _____ |                                    |                                 | 3. 1362              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |                                 | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | Ø                               | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |
| 1. 1530     | 9. _____  | SAMPLE<br>NUMBER                   | S-3<br>FILTER OR<br>CONTAINER # | 1. 1513              | 9. _____  |  |  |
| 2. 11527    | 10. _____ |                                    |                                 | 2. 1512              | 10. _____ |  |  |
| 3. 11528    | 11. _____ |                                    |                                 | 3. 1507              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |                                 | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1527                            | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | 1513                            | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | 0014                            | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    | 1.4mg                           | 8. _____             | 16. _____ |  |  |
| 1. 1380     | 9. _____  | SAMPLE<br>NUMBER                   | S-4<br>FILTER OR<br>CONTAINER # | 1. 1358              | 9. _____  |  |  |
| 2. 11381    | 10. _____ |                                    |                                 | 2. 1356              | 10. _____ |  |  |
| 3. 11379    | 11. _____ |                                    |                                 | 3. 1348              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |                                 | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                           | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | _____                           | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | Ø                               | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |                                 | 8. _____             | 16. _____ |  |  |

0.0

0.0

0.4

0.0

A00025



# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

ABF  
PS #2  
Cent Fryer

ALL WEIGHTS IN GRAMS A-2

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

| TARE WEIGHT     |           |                                                                                                               |                       | TARE + SAMPLE WEIGHT |           |  |  |
|-----------------|-----------|---------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|-----------|--|--|
| 1. <u>.1485</u> | 9. _____  | SAMPLE NUMBER<br>FILTER OR CONTAINER<br>PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE <u>0</u>            | S-5                   | 1. <u>.1483</u>      | 9. _____  |  |  |
| 2. <u>.1485</u> | 10. _____ |                                                                                                               | FILTER OR CONTAINER # | 2. <u>.1475</u>      | 10. _____ |  |  |
| 3. <u>.1486</u> | 11. _____ |                                                                                                               | 4. _____              | 3. <u>.1484</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                               | 5. _____              | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                               | 6. _____              | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                               | 7. _____              | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                               | 8. _____              | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                               | 8. _____              | 8. _____             | 16. _____ |  |  |
| 1. <u>.1354</u> | 9. _____  | SAMPLE NUMBER<br>FILTER OR CONTAINER<br>PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE <u>.0021</u><br>2.1 | S-6                   | 1. <u>.1378</u>      | 9. _____  |  |  |
| 2. <u>.1354</u> | 10. _____ |                                                                                                               | FILTER OR CONTAINER # | 2. <u>.1375</u>      | 10. _____ |  |  |
| 3. <u>.1353</u> | 11. _____ |                                                                                                               | 4. _____              | 3. <u>.1372</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                               | 5. _____              | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                               | 6. _____              | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                               | 7. _____              | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                               | 8. _____              | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                               | 8. _____              | 8. _____             | 16. _____ |  |  |
| 1. <u>.1481</u> | 9. _____  | SAMPLE NUMBER<br>FILTER OR CONTAINER<br>PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE <u>14</u><br>1.4    | S-7                   | 1. <u>.1500</u>      | 9. _____  |  |  |
| 2. <u>.1481</u> | 10. _____ |                                                                                                               | FILTER OR CONTAINER # | 2. <u>.1494</u>      | 10. _____ |  |  |
| 3. <u>.1481</u> | 11. _____ |                                                                                                               | 4. _____              | 3. <u>.1492</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                               | 5. _____              | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                               | 6. _____              | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                               | 7. _____              | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                               | 8. _____              | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                               | 8. _____              | 8. _____             | 16. _____ |  |  |
| 1. <u>.1358</u> | 9. _____  | SAMPLE NUMBER<br>FILTER OR CONTAINER<br>PLUS SAMPLE<br>FILTER OR CONTAINER TARE<br>SAMPLE <u>0</u>            | S-8                   | 1. <u>.1351</u>      | 9. _____  |  |  |
| 2. <u>.1358</u> | 10. _____ |                                                                                                               | FILTER OR CONTAINER # | 2. <u>.1343</u>      | 10. _____ |  |  |
| 3. <u>.1357</u> | 11. _____ |                                                                                                               | 4. _____              | 3. <u>.1334</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                               | 5. _____              | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                               | 6. _____              | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                               | 7. _____              | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                               | 8. _____              | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                               | 8. _____              | 8. _____             | 16. _____ |  |  |

0.0

2.1

1.4

0.0

A00026

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT    |           |                                    |      | TARE + SAMPLE WEIGHT |           |  |  |
|----------------|-----------|------------------------------------|------|----------------------|-----------|--|--|
| 1. <u>1538</u> | 9. _____  | SAMPLE<br>NUMBER                   | S-5  | 1. <u>1561</u>       | 9. _____  |  |  |
| 2. <u>1539</u> | 10. _____ |                                    |      | 2. <u>1562</u>       | 10. _____ |  |  |
| 3. <u>1537</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1562 | 3. <u>1564</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |      | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | 1538 | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |      | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | 0024 | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |      | 8. _____             | 16. _____ |  |  |
|                |           |                                    |      | 2.4                  |           |  |  |
| 1. <u>1407</u> | 9. _____  | SAMPLE<br>NUMBER                   | S-6  | 1. <u>1432</u>       | 9. _____  |  |  |
| 2. <u>1407</u> | 10. _____ |                                    |      | 2. <u>1433</u>       | 10. _____ |  |  |
| 3. <u>1407</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1434 | 3. <u>1430</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |      | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | 1407 | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |      | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | 0025 | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |      | 8. _____             | 16. _____ |  |  |
|                |           |                                    |      | 2.5                  |           |  |  |
| 1. <u>1524</u> | 9. _____  | SAMPLE<br>NUMBER                   | S-7  | 1. <u>1542</u>       | 9. _____  |  |  |
| 2. <u>1524</u> | 10. _____ |                                    |      | 2. <u>1538</u>       | 10. _____ |  |  |
| 3. <u>1223</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1537 | 3. <u>1531</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |      | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | 1524 | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |      | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | 13   | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |      | 8. _____             | 16. _____ |  |  |
|                |           |                                    |      | 1.3                  |           |  |  |
| 1. <u>1390</u> | 9. _____  | SAMPLE<br>NUMBER                   | S-8  | 1. <u>1354</u>       | 9. _____  |  |  |
| 2. <u>1387</u> | 10. _____ |                                    |      | 2. <u>1348</u>       | 10. _____ |  |  |
| 3. <u>1387</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1348 | 3. <u>1341</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |      | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | 1390 | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |      | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | 0    | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |      | 8. _____             | 16. _____ |  |  |

A00029

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

A-3

ALL WEIGHTS IN GRAMS

| TARE WEIGHT    |           |                                    |                                        | TARE + SAMPLE WEIGHT |           |  |  |
|----------------|-----------|------------------------------------|----------------------------------------|----------------------|-----------|--|--|
| 1. <u>2068</u> | 9. _____  | SAMPLE<br>NUMBER                   | <u>S-9</u><br>FILTER OR<br>CONTAINER # | 1. <u>2061</u>       | 9. _____  |  |  |
| 2. <u>2067</u> | 10. _____ |                                    |                                        | 2. <u>2057</u>       | 10. _____ |  |  |
| 3. <u>2066</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                                  | 3. <u>2058</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | <u>2067</u>                            | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | <u>0</u>                               | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |                                        | 8. _____             | 16. _____ |  |  |
| 1. _____       | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER #               | 1. _____             | 9. _____  |  |  |
| 2. _____       | 10. _____ |                                    |                                        | 2. _____             | 10. _____ |  |  |
| 3. _____       | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                                  | 3. _____             | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                                  | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | _____                                  | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |                                        | 8. _____             | 16. _____ |  |  |
| 1. _____       | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER #               | 1. _____             | 9. _____  |  |  |
| 2. _____       | 10. _____ |                                    |                                        | 2. _____             | 10. _____ |  |  |
| 3. _____       | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                                  | 3. _____             | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                                  | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | _____                                  | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |                                        | 8. _____             | 16. _____ |  |  |
| 1. _____       | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER #               | 1. _____             | 9. _____  |  |  |
| 2. _____       | 10. _____ |                                    |                                        | 2. _____             | 10. _____ |  |  |
| 3. _____       | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____                                  | 3. _____             | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |                                        | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____                                  | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |                                        | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             | _____                                  | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |                                        | 8. _____             | 16. _____ |  |  |

A00030

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Tortilla Case

151

A-4 DS

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                                                                                                                |                          | TARE + SAMPLE WEIGHT |           |  |  |
|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------|-----------|--|--|
| 1. 1499     | 9. _____  | <p>SAMPLE<br/>NUMBER</p> <p>FILTER OR CONTAINER<br/>PLUS SAMPLE</p> <p>FILTER OR<br/>CONTAINER TARE</p> <p>SAMPLE <u>0</u></p> | S-1                      | 1. 1482              | 9. _____  |  |  |
| 2. 1501     | 10. _____ |                                                                                                                                | FILTER OR<br>CONTAINER # | 2. 1473              | 10. _____ |  |  |
| 3. 1500     | 11. _____ |                                                                                                                                |                          | 3. 1460              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                |                          | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                |                          | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                |                          | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                |                          | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                |                          | 8. _____             | 16. _____ |  |  |
| 1. 1361     | 9. _____  | <p>SAMPLE<br/>NUMBER</p> <p>FILTER OR CONTAINER<br/>PLUS SAMPLE</p> <p>FILTER OR<br/>CONTAINER TARE</p> <p>SAMPLE <u>0</u></p> | S-2                      | 1. 1315              | 9. _____  |  |  |
| 2. 1362     | 10. _____ |                                                                                                                                | FILTER OR<br>CONTAINER # | 2. 1315              | 10. _____ |  |  |
| 3. 1363     | 11. _____ |                                                                                                                                |                          | 3. 1313              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                |                          | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                |                          | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                |                          | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                |                          | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                |                          | 8. _____             | 16. _____ |  |  |
| 1. 1496     | 9. _____  | <p>SAMPLE<br/>NUMBER</p> <p>FILTER OR CONTAINER<br/>PLUS SAMPLE</p> <p>FILTER OR<br/>CONTAINER TARE</p> <p>SAMPLE <u>0</u></p> | S-3                      | 1. 1478              | 9. _____  |  |  |
| 2. 1498     | 10. _____ |                                                                                                                                | FILTER OR<br>CONTAINER # | 2. 1475              | 10. _____ |  |  |
| 3. 1497     | 11. _____ |                                                                                                                                |                          | 3. 1479              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                |                          | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                |                          | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                |                          | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                |                          | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                |                          | 8. _____             | 16. _____ |  |  |
| 1. 1362     | 9. _____  | <p>SAMPLE<br/>NUMBER</p> <p>FILTER OR CONTAINER<br/>PLUS SAMPLE</p> <p>FILTER OR<br/>CONTAINER TARE</p> <p>SAMPLE <u>0</u></p> | S-4                      | 1. 1323              | 9. _____  |  |  |
| 2. 1360     | 10. _____ |                                                                                                                                | FILTER OR<br>CONTAINER # | 2. 1329              | 10. _____ |  |  |
| 3. 1361     | 11. _____ |                                                                                                                                |                          | 3. 1326              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                |                          | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                |                          | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                |                          | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                |                          | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                |                          | 8. _____             | 16. _____ |  |  |

A00031

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

A-4

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                                                                                           |                                                  | TARE + SAMPLE WEIGHT |           |  |  |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------|-----------|--|--|
| 1. 1535     | 9. _____  | <p>SAMPLE NUMBER</p> <p>FILTER OR CONTAINER PLUS SAMPLE</p> <p>FILTER OR CONTAINER TARE</p> <p>SAMPLE</p> | <p>S-5</p> <p>FILTER OR CONTAINER #</p> <p>Ø</p> | 1. 1485              | 9. _____  |  |  |
| 2. 1535     | 10. _____ |                                                                                                           |                                                  | 2. 1497              | 10. _____ |  |  |
| 3. 1535     | 11. _____ |                                                                                                           |                                                  | 3. 1500              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                           |                                                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                           |                                                  | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                           |                                                  | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                           |                                                  | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                           |                                                  | 8. _____             | 16. _____ |  |  |
| 1. 1394     | 9. _____  | <p>SAMPLE NUMBER</p> <p>FILTER OR CONTAINER PLUS SAMPLE</p> <p>FILTER OR CONTAINER TARE</p> <p>SAMPLE</p> | <p>S-6</p> <p>FILTER OR CONTAINER #</p> <p>Ø</p> | 1. 1350              | 9. _____  |  |  |
| 2. 1395     | 10. _____ |                                                                                                           |                                                  | 2. 1356              | 10. _____ |  |  |
| 3. 1394     | 11. _____ |                                                                                                           |                                                  | 3. 1348              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                           |                                                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                           |                                                  | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                           |                                                  | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                           |                                                  | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                           |                                                  | 8. _____             | 16. _____ |  |  |
| 1. 1516     | 9. _____  | <p>SAMPLE NUMBER</p> <p>FILTER OR CONTAINER PLUS SAMPLE</p> <p>FILTER OR CONTAINER TARE</p> <p>SAMPLE</p> | <p>S-7</p> <p>FILTER OR CONTAINER #</p> <p>Ø</p> | 1. 1458              | 9. _____  |  |  |
| 2. 1518     | 10. _____ |                                                                                                           |                                                  | 2. 1464              | 10. _____ |  |  |
| 3. 1516     | 11. _____ |                                                                                                           |                                                  | 3. 1449              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                           |                                                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                           |                                                  | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                           |                                                  | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                           |                                                  | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                           |                                                  | 8. _____             | 16. _____ |  |  |
| 1. 1377     | 9. _____  | <p>SAMPLE NUMBER</p> <p>FILTER OR CONTAINER PLUS SAMPLE</p> <p>FILTER OR CONTAINER TARE</p> <p>SAMPLE</p> | <p>S-8</p> <p>FILTER OR CONTAINER #</p> <p>Ø</p> | 1. 1332              | 9. _____  |  |  |
| 2. 1378     | 10. _____ |                                                                                                           |                                                  | 2. 1331              | 10. _____ |  |  |
| 3. 1377     | 11. _____ |                                                                                                           |                                                  | 3. 1336              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                           |                                                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                           |                                                  | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                           |                                                  | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                           |                                                  | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                           |                                                  | 8. _____             | 16. _____ |  |  |

A00032

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT    |           |                             |                          | TARE + SAMPLE WEIGHT     |           |          |  |
|----------------|-----------|-----------------------------|--------------------------|--------------------------|-----------|----------|--|
| 1. <u>2023</u> | 9. _____  | SAMPLE<br>NUMBER            | FILTER OR<br>CONTAINER # | 1. <u>1932</u>           | 9. _____  |          |  |
| 2. <u>2023</u> | 10. _____ |                             |                          | 2. <u>1931</u>           | 10. _____ |          |  |
| 3. <u>2023</u> | 11. _____ |                             |                          | 3. <u>1924</u>           | 11. _____ |          |  |
| 4. _____       | 12. _____ |                             |                          | 4. _____                 | 12. _____ |          |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE | 5. _____                 | 13. _____                |           |          |  |
| 6. _____       | 14. _____ | SAMPLE                      | 6. _____                 | 14. _____                |           |          |  |
| 7. _____       | 15. _____ |                             | 7. _____                 | 15. _____                |           |          |  |
| 8. _____       | 16. _____ |                             | 8. _____                 | 16. _____                |           |          |  |
| 1. _____       | 9. _____  |                             | SAMPLE<br>NUMBER         | FILTER OR<br>CONTAINER # | 1. _____  | 9. _____ |  |
| 2. _____       | 10. _____ | 2. _____                    |                          |                          | 10. _____ |          |  |
| 3. _____       | 11. _____ | 3. _____                    |                          |                          | 11. _____ |          |  |
| 4. _____       | 12. _____ | 4. _____                    |                          |                          | 12. _____ |          |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE | 5. _____                 | 13. _____                |           |          |  |
| 6. _____       | 14. _____ | SAMPLE                      | 6. _____                 | 14. _____                |           |          |  |
| 7. _____       | 15. _____ |                             | 7. _____                 | 15. _____                |           |          |  |
| 8. _____       | 16. _____ |                             | 8. _____                 | 16. _____                |           |          |  |
| 1. _____       | 9. _____  |                             | SAMPLE<br>NUMBER         | FILTER OR<br>CONTAINER # | 1. _____  | 9. _____ |  |
| 2. _____       | 10. _____ | 2. _____                    |                          |                          | 10. _____ |          |  |
| 3. _____       | 11. _____ | 3. _____                    |                          |                          | 11. _____ |          |  |
| 4. _____       | 12. _____ | 4. _____                    |                          |                          | 12. _____ |          |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE | 5. _____                 | 13. _____                |           |          |  |
| 6. _____       | 14. _____ | SAMPLE                      | 6. _____                 | 14. _____                |           |          |  |
| 7. _____       | 15. _____ |                             | 7. _____                 | 15. _____                |           |          |  |
| 8. _____       | 16. _____ |                             | 8. _____                 | 16. _____                |           |          |  |
| 1. _____       | 9. _____  |                             | SAMPLE<br>NUMBER         | FILTER OR<br>CONTAINER # | 1. _____  | 9. _____ |  |
| 2. _____       | 10. _____ | 2. _____                    |                          |                          | 10. _____ |          |  |
| 3. _____       | 11. _____ | 3. _____                    |                          |                          | 11. _____ |          |  |
| 4. _____       | 12. _____ | 4. _____                    |                          |                          | 12. _____ |          |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE | 5. _____                 | 13. _____                |           |          |  |
| 6. _____       | 14. _____ | SAMPLE                      | 6. _____                 | 14. _____                |           |          |  |
| 7. _____       | 15. _____ |                             | 7. _____                 | 15. _____                |           |          |  |
| 8. _____       | 16. _____ |                             | 8. _____                 | 16. _____                |           |          |  |

A00033

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

*Tortilla*  
*#2 A-5*

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT     |           |                                                                                                                                                            |                                                                                                                            | TARE + SAMPLE WEIGHT |           |  |  |
|-----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|--|--|
| 1. <u>.1510</u> | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE <u>.0003</u></p> <p><u>.3</u></p>  | <p>S-1</p> <p>FILTER OR CONTAINER# _____</p> <p><u>.1513</u></p> <p><u>.1510</u></p> <p><u>.0003</u></p> <p><u>.3</u></p>  | 1. <u>.1513</u>      | 9. _____  |  |  |
| 2. <u>.1510</u> | 10. _____ |                                                                                                                                                            |                                                                                                                            | 2. <u>.1515</u>      | 10. _____ |  |  |
| 3. <u>.1509</u> | 11. _____ |                                                                                                                                                            |                                                                                                                            | 3. <u>.1512</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                                                                            |                                                                                                                            | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                                                                            |                                                                                                                            | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                                                                            |                                                                                                                            | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                                                                            |                                                                                                                            | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                                                                            |                                                                                                                            | 8. _____             | 16. _____ |  |  |
| 1. <u>.1379</u> | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE <u>.0003</u></p> <p><u>.3</u></p>  | <p>S-2</p> <p>FILTER OR CONTAINER# _____</p> <p><u>.1382</u></p> <p><u>.1379</u></p> <p><u>.0003</u></p> <p><u>.3</u></p>  | 1. <u>.1384</u>      | 9. _____  |  |  |
| 2. <u>.1379</u> | 10. _____ |                                                                                                                                                            |                                                                                                                            | 2. <u>.1379</u>      | 10. _____ |  |  |
| 3. <u>.1377</u> | 11. _____ |                                                                                                                                                            |                                                                                                                            | 3. <u>.1384</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                                                                            |                                                                                                                            | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                                                                            |                                                                                                                            | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                                                                            |                                                                                                                            | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                                                                            |                                                                                                                            | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                                                                            |                                                                                                                            | 8. _____             | 16. _____ |  |  |
| 1. <u>.1515</u> | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE <u>.0007</u></p> <p><u>.7</u></p>  | <p>S-3</p> <p>FILTER OR CONTAINER# _____</p> <p><u>.1528</u></p> <p><u>.1514</u></p> <p><u>.0007</u></p> <p><u>.7</u></p>  | 1. <u>.1525</u>      | 9. _____  |  |  |
| 2. <u>.1513</u> | 10. _____ |                                                                                                                                                            |                                                                                                                            | 2. <u>.1516</u>      | 10. _____ |  |  |
| 3. <u>.1514</u> | 11. _____ |                                                                                                                                                            |                                                                                                                            | 3. <u>.1523</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                                                                            |                                                                                                                            | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                                                                            |                                                                                                                            | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                                                                            |                                                                                                                            | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                                                                            |                                                                                                                            | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                                                                            |                                                                                                                            | 8. _____             | 16. _____ |  |  |
| 1. <u>.1384</u> | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE <u>.0010</u></p> <p><u>1.0</u></p> | <p>S-4</p> <p>FILTER OR CONTAINER# _____</p> <p><u>.1394</u></p> <p><u>.1384</u></p> <p><u>.0010</u></p> <p><u>1.0</u></p> | 1. <u>.1395</u>      | 9. _____  |  |  |
| 2. <u>.1384</u> | 10. _____ |                                                                                                                                                            |                                                                                                                            | 2. <u>.1398</u>      | 10. _____ |  |  |
| 3. <u>.1384</u> | 11. _____ |                                                                                                                                                            |                                                                                                                            | 3. <u>.1389</u>      | 11. _____ |  |  |
| 4. _____        | 12. _____ |                                                                                                                                                            |                                                                                                                            | 4. _____             | 12. _____ |  |  |
| 5. _____        | 13. _____ |                                                                                                                                                            |                                                                                                                            | 5. _____             | 13. _____ |  |  |
| 6. _____        | 14. _____ |                                                                                                                                                            |                                                                                                                            | 6. _____             | 14. _____ |  |  |
| 7. _____        | 15. _____ |                                                                                                                                                            |                                                                                                                            | 7. _____             | 15. _____ |  |  |
| 8. _____        | 16. _____ |                                                                                                                                                            |                                                                                                                            | 8. _____             | 16. _____ |  |  |

A00034

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

*Tortilla*  
*Line*  
*A-5*

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT    |           |                                                                                                             |                                                                                                   | TARE + SAMPLE WEIGHT |           |  |  |
|----------------|-----------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------|-----------|--|--|
| 1. <u>1515</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-5</u><br>FILTER OR<br>CONTAINER #<br><u>1525</u><br><u>1515</u><br><u>1.0</u>                | 1. <u>1528</u>       | 9. _____  |  |  |
| 2. <u>1555</u> | 10. _____ |                                                                                                             |                                                                                                   | 2. <u>1521</u>       | 10. _____ |  |  |
| 3. <u>1515</u> | 11. _____ |                                                                                                             |                                                                                                   | 3. <u>1526</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                                                                                             |                                                                                                   | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ |                                                                                                             |                                                                                                   | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                                                                                             |                                                                                                   | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ |                                                                                                             |                                                                                                   | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                                                                                             |                                                                                                   | 8. _____             | 16. _____ |  |  |
| 1. <u>1384</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-6</u><br>FILTER OR<br>CONTAINER #<br><u>1403</u><br><u>1384</u><br><u>0019</u><br><u>1.9</u> | 1. <u>1402</u>       | 9. _____  |  |  |
| 2. <u>1384</u> | 10. _____ |                                                                                                             |                                                                                                   | 2. <u>1400</u>       | 10. _____ |  |  |
| 3. <u>1384</u> | 11. _____ |                                                                                                             |                                                                                                   | 3. <u>1407</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                                                                                             |                                                                                                   | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ |                                                                                                             |                                                                                                   | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                                                                                             |                                                                                                   | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ |                                                                                                             |                                                                                                   | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                                                                                             |                                                                                                   | 8. _____             | 16. _____ |  |  |
| 1. <u>1519</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-7</u><br>FILTER OR<br>CONTAINER #<br><u>1526</u><br><u>1520</u><br><u>0006</u>               | 1. <u>1536</u>       | 9. _____  |  |  |
| 2. <u>1520</u> | 10. _____ |                                                                                                             |                                                                                                   | 2. <u>1512</u>       | 10. _____ |  |  |
| 3. <u>1521</u> | 11. _____ |                                                                                                             |                                                                                                   | 3. <u>1531</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                                                                                             |                                                                                                   | 4. _____             | 12. _____ |  |  |
| 5. _____       | 13. _____ |                                                                                                             |                                                                                                   | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                                                                                             |                                                                                                   | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ |                                                                                                             |                                                                                                   | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                                                                                             |                                                                                                   | 8. _____             | 16. _____ |  |  |
| 1. <u>1374</u> | 9. _____  | SAMPLE<br>NUMBER<br><br>FILTER OR CONTAINER<br>PLUS SAMPLE<br><br>FILTER OR<br>CONTAINER TARE<br><br>SAMPLE | <u>S-8</u><br>FILTER OR<br>CONTAINER #<br><u>1325</u><br><u>0</u>                                 | 1. <u>1384</u>       | 9. _____  |  |  |
| 2. <u>1375</u> | 10. _____ |                                                                                                             |                                                                                                   | 2. <u>1369</u>       | 10. _____ |  |  |
| 3. <u>1376</u> | 11. _____ |                                                                                                             |                                                                                                   | 3. <u>1365</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                                                                                             |                                                                                                   | 4. <u>1367</u>       | 12. _____ |  |  |
| 5. _____       | 13. _____ |                                                                                                             |                                                                                                   | 5. _____             | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                                                                                             |                                                                                                   | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ |                                                                                                             |                                                                                                   | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                                                                                             |                                                                                                   | 8. _____             | 16. _____ |  |  |

1.0

1.9

6

0

A00035



# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT    |           |                                    |                          | TARE + SAMPLE WEIGHT |           |  |  |
|----------------|-----------|------------------------------------|--------------------------|----------------------|-----------|--|--|
| 1. <u>2073</u> | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. <u>2084</u>       | 9. _____  |  |  |
| 2. <u>2073</u> | 10. _____ |                                    |                          | 2. <u>2081</u>       | 10. _____ |  |  |
| 3. <u>2071</u> | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. <u>2053</u>       | 11. _____ |  |  |
| 4. _____       | 12. _____ |                                    |                          | 4. <u>2045</u>       | 12. _____ |  |  |
| 5. _____       | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. <u>2054</u>       | 13. _____ |  |  |
| 6. _____       | 14. _____ |                                    |                          | 6. _____             | 14. _____ |  |  |
| 7. _____       | 15. _____ | SAMPLE                             |                          | 7. _____             | 15. _____ |  |  |
| 8. _____       | 16. _____ |                                    |                          | 8. _____             | 16. _____ |  |  |

|          |           |                                    |                          |          |           |  |  |
|----------|-----------|------------------------------------|--------------------------|----------|-----------|--|--|
| 1. _____ | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. _____ | 9. _____  |  |  |
| 2. _____ | 10. _____ |                                    |                          | 2. _____ | 10. _____ |  |  |
| 3. _____ | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. _____ | 11. _____ |  |  |
| 4. _____ | 12. _____ |                                    |                          | 4. _____ | 12. _____ |  |  |
| 5. _____ | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____ | 13. _____ |  |  |
| 6. _____ | 14. _____ |                                    |                          | 6. _____ | 14. _____ |  |  |
| 7. _____ | 15. _____ | SAMPLE                             |                          | 7. _____ | 15. _____ |  |  |
| 8. _____ | 16. _____ |                                    |                          | 8. _____ | 16. _____ |  |  |

|          |           |                                    |                          |          |           |  |  |
|----------|-----------|------------------------------------|--------------------------|----------|-----------|--|--|
| 1. _____ | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. _____ | 9. _____  |  |  |
| 2. _____ | 10. _____ |                                    |                          | 2. _____ | 10. _____ |  |  |
| 3. _____ | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. _____ | 11. _____ |  |  |
| 4. _____ | 12. _____ |                                    |                          | 4. _____ | 12. _____ |  |  |
| 5. _____ | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____ | 13. _____ |  |  |
| 6. _____ | 14. _____ |                                    |                          | 6. _____ | 14. _____ |  |  |
| 7. _____ | 15. _____ | SAMPLE                             |                          | 7. _____ | 15. _____ |  |  |
| 8. _____ | 16. _____ |                                    |                          | 8. _____ | 16. _____ |  |  |

|          |           |                                    |                          |          |           |  |  |
|----------|-----------|------------------------------------|--------------------------|----------|-----------|--|--|
| 1. _____ | 9. _____  | SAMPLE<br>NUMBER                   | FILTER OR<br>CONTAINER # | 1. _____ | 9. _____  |  |  |
| 2. _____ | 10. _____ |                                    |                          | 2. _____ | 10. _____ |  |  |
| 3. _____ | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |                          | 3. _____ | 11. _____ |  |  |
| 4. _____ | 12. _____ |                                    |                          | 4. _____ | 12. _____ |  |  |
| 5. _____ | 13. _____ | FILTER OR<br>CONTAINER TARE        |                          | 5. _____ | 13. _____ |  |  |
| 6. _____ | 14. _____ |                                    |                          | 6. _____ | 14. _____ |  |  |
| 7. _____ | 15. _____ | SAMPLE                             |                          | 7. _____ | 15. _____ |  |  |
| 8. _____ | 16. _____ |                                    |                          | 8. _____ | 16. _____ |  |  |

A00036

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Tortilla Line  
PS-3

A-6

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                    |       | TARE + SAMPLE WEIGHT |           |                          |  |
|-------------|-----------|------------------------------------|-------|----------------------|-----------|--------------------------|--|
| 1. 11495    | 9. _____  | SAMPLE<br>NUMBER                   | S-1   | 1. 11499             | 9. _____  | FILTER OR<br>CONTAINER # |  |
| 2. 11495    | 10. _____ |                                    |       | 2. 11498             | 10. _____ |                          |  |
| 3. 11495    | 11. _____ |                                    |       | 3. 11490             | 11. _____ |                          |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |                          |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1490  | 5. _____             | 13. _____ |                          |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | 1495  | 6. _____             | 14. _____ |                          |  |
| 7. _____    | 15. _____ | SAMPLE                             | 2     | 7. _____             | 15. _____ |                          |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |                          |  |
| 1. 11368    | 9. _____  | SAMPLE<br>NUMBER                   | S-2   | 1. 11368             | 9. _____  | FILTER OR<br>CONTAINER # |  |
| 2. 11369    | 10. _____ |                                    |       | 2. 11367             | 10. _____ |                          |  |
| 3. 11367    | 11. _____ |                                    |       | 3. 11364             | 11. _____ |                          |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |                          |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 1368  | 5. _____             | 13. _____ |                          |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | 1368  | 6. _____             | 14. _____ |                          |  |
| 7. _____    | 15. _____ | SAMPLE                             | 2     | 7. _____             | 15. _____ |                          |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |                          |  |
| 1. 11493    | 9. _____  | SAMPLE<br>NUMBER                   | S-3   | 1. 11495             | 9. _____  | FILTER OR<br>CONTAINER # |  |
| 2. 11494    | 10. _____ |                                    |       | 2. 11496             | 10. _____ |                          |  |
| 3. 11493    | 11. _____ |                                    |       | 3. 11499             | 11. _____ |                          |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |                          |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 11499 | 5. _____             | 13. _____ |                          |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | 11494 | 6. _____             | 14. _____ |                          |  |
| 7. _____    | 15. _____ | SAMPLE                             | 0005  | 7. _____             | 15. _____ |                          |  |
| 8. _____    | 16. _____ |                                    | 5     | 8. _____             | 16. _____ |                          |  |
| 1. 11362    | 9. _____  | SAMPLE<br>NUMBER                   | S-4   | 1. 11360             | 9. _____  | FILTER OR<br>CONTAINER # |  |
| 2. 11362    | 10. _____ |                                    |       | 2. 11354             | 10. _____ |                          |  |
| 3. 11361    | 11. _____ |                                    |       | 3. 11357             | 11. _____ |                          |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |                          |  |
| 5. _____    | 13. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE |       | 5. _____             | 13. _____ |                          |  |
| 6. _____    | 14. _____ | FILTER OR<br>CONTAINER TARE        | 11362 | 6. _____             | 14. _____ |                          |  |
| 7. _____    | 15. _____ | SAMPLE                             | 2     | 7. _____             | 15. _____ |                          |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |                          |  |

A00037

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

A-6

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                                                                                                                   |                       | TARE + SAMPLE WEIGHT |           |  |  |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------|-----------|--|--|
| 1. 1539     | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE _____</p> | S-5                   | 1. 1543              | 9. _____  |  |  |
| 2. 1539     | 10. _____ |                                                                                                                                   | FILTER OR CONTAINER # | 2. 1540              | 10. _____ |  |  |
| 3. 1537     | 11. _____ |                                                                                                                                   | 1541                  | 3. 1540              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                   | 1538                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                   | 0003                  | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                   | 3                     | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                   |                       | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                   |                       | 8. _____             | 16. _____ |  |  |
| 1. 1402     | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE _____</p> | S-6                   | 1. 1401              | 9. _____  |  |  |
| 2. 1400     | 10. _____ |                                                                                                                                   | FILTER OR CONTAINER # | 2. 1402              | 10. _____ |  |  |
| 3. 1401     | 11. _____ |                                                                                                                                   | 1402                  | 3. 1403              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                   | 1401                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                   | 0001                  | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                   | 1                     | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                   |                       | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                   |                       | 8. _____             | 16. _____ |  |  |
| 1. 1517     | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE _____</p> | S-7                   | 1. 1512              | 9. _____  |  |  |
| 2. 1517     | 10. _____ |                                                                                                                                   | FILTER OR CONTAINER # | 2. 1514              | 10. _____ |  |  |
| 3. 1516     | 11. _____ |                                                                                                                                   | 1514                  | 3. 1513              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                   | 1517                  | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                   |                       | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                   |                       | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                   |                       | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                   |                       | 8. _____             | 16. _____ |  |  |
| 1. 1385     | 9. _____  | <p>SAMPLE NUMBER _____</p> <p>FILTER OR CONTAINER PLUS SAMPLE _____</p> <p>FILTER OR CONTAINER TARE _____</p> <p>SAMPLE _____</p> | S-8                   | 1. 1364              | 9. _____  |  |  |
| 2. 1385     | 10. _____ |                                                                                                                                   | FILTER OR CONTAINER # | 2. 1366              | 10. _____ |  |  |
| 3. 1385     | 11. _____ |                                                                                                                                   |                       | 3. 1357              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                                                                                                                   |                       | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ |                                                                                                                                   |                       | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                                                                                                                   |                       | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ |                                                                                                                                   |                       | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                                                                                                                   |                       | 8. _____             | 16. _____ |  |  |

0.3

0.1

A00038

# DESICCATION OF SOLID SAMPLES TO CONSTANT WEIGHT

Completion Dates

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

Indicate by numbers in box  
under Sample column.

Requestor \_\_\_\_\_

JN \_\_\_\_\_

Assigned to \_\_\_\_\_

Date Assigned \_\_\_\_\_

A-6

ALL WEIGHTS IN GRAMS

| TARE WEIGHT |           |                                    |       | TARE + SAMPLE WEIGHT |           |  |  |
|-------------|-----------|------------------------------------|-------|----------------------|-----------|--|--|
| 1. 12030    | 9. _____  | SAMPLE<br>NUMBER                   | 59    | 1. 2003              | 9. _____  |  |  |
| 2. 2030     | 10. _____ |                                    |       | 2. 2005              | 10. _____ |  |  |
| 3. 2030     | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | 2003  | 3. 2006              | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | 12030 | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                    |       | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | 20    | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |  |  |
| 1. _____    | 9. _____  | SAMPLE<br>NUMBER                   | _____ | 1. _____             | 9. _____  |  |  |
| 2. _____    | 10. _____ |                                    |       | 2. _____             | 10. _____ |  |  |
| 3. _____    | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____ | 3. _____             | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____ | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                    |       | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | _____ | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |  |  |
| 1. _____    | 9. _____  | SAMPLE<br>NUMBER                   | _____ | 1. _____             | 9. _____  |  |  |
| 2. _____    | 10. _____ |                                    |       | 2. _____             | 10. _____ |  |  |
| 3. _____    | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____ | 3. _____             | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____ | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                    |       | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | _____ | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |  |  |
| 1. _____    | 9. _____  | SAMPLE<br>NUMBER                   | _____ | 1. _____             | 9. _____  |  |  |
| 2. _____    | 10. _____ |                                    |       | 2. _____             | 10. _____ |  |  |
| 3. _____    | 11. _____ | FILTER OR CONTAINER<br>PLUS SAMPLE | _____ | 3. _____             | 11. _____ |  |  |
| 4. _____    | 12. _____ |                                    |       | 4. _____             | 12. _____ |  |  |
| 5. _____    | 13. _____ | FILTER OR<br>CONTAINER TARE        | _____ | 5. _____             | 13. _____ |  |  |
| 6. _____    | 14. _____ |                                    |       | 6. _____             | 14. _____ |  |  |
| 7. _____    | 15. _____ | SAMPLE                             | _____ | 7. _____             | 15. _____ |  |  |
| 8. _____    | 16. _____ |                                    |       | 8. _____             | 16. _____ |  |  |

A00039

# Test# CONT FRYER

|     | #1         | #2              | #3        | CUTOFF |
|-----|------------|-----------------|-----------|--------|
| S-1 | 0.0        | 0.0             | 0.0       | 1P     |
| S-2 | 0.0        | 0.0             | 0.0       | 12.0   |
| S-3 | 0.0        | 1.4 21.5        | 0.3 3.23  | 8.0    |
| S-4 | 0.0        | 0.0             | 2.8 30.31 | 5.5    |
| S-5 | 0.0        | 0.0             | 2.4 28.8  | 3.5    |
| S-6 | 0.9        | 2.1 32.3        | 2.5       | 1.8    |
| S-7 | 0.0        | 1.4 21.5        | 1.3       | 1.1    |
| S-8 | 0.0        | 0.0             | 0         | .71    |
| S-9 | <u>0.3</u> | <u>1.4 21.6</u> | <u>0</u>  | Find   |

|            |              |             |             |
|------------|--------------|-------------|-------------|
| Total kg   | 1.2          | 6.8         | 9.3         |
| condensate | <u>18.37</u> | <u>35.2</u> | <u>40.2</u> |
|            | 19.57        | 41.7        | 49.5        |

|       |      |      |      |      |
|-------|------|------|------|------|
| Total | 43.7 | 84.4 | 81.7 | 86.4 |
|-------|------|------|------|------|

|         |        |       |       |
|---------|--------|-------|-------|
| 1) WSTD | 10.119 | 9.500 | 9.845 |
|---------|--------|-------|-------|

|                    |     |      |      |
|--------------------|-----|------|------|
| <del>TD</del> Flow | .33 | .317 | .328 |
|--------------------|-----|------|------|

|    |     |     |     |
|----|-----|-----|-----|
| Ts | 235 | 235 | 235 |
|----|-----|-----|-----|

|    |    |    |    |
|----|----|----|----|
| Tm | 67 | 79 | 81 |
|----|----|----|----|

GRS/SPCF

.0298 .0677 .0776 .0584

.0464 .0339 .0456 .0420

A00010

EAGLE SNACKS - CONT. FRYER  
10/10/90 - TEST #1

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT     | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|--------------------|-----------------------------|----------------------|------------------------------|
| 400.946              | 0.2              | 0.447213           | 0.73                        | 255                  | 65 65                        |
| 428.097              | 0.2              | 0.447213           | 0.76                        | 232                  | 67 66                        |
| -----                | 0.22             | 0.469041           | 0.7                         | 234                  | 70 67                        |
| 27.151               | 0.22             | 0.469041           | 0.65                        | 239                  | 74 67                        |
| =====                | 0.21             | 0.458257           | 0.64                        | 234                  | 79 68                        |
| (DIFFERENCE)         | 0.23             | 0.479583           | 0.6                         | 240                  | 88 70                        |
|                      | 0.19             | 0.435889           | 0.65                        | 238                  | 91 71                        |
|                      | 0.17             | 0.412310           | 0.66                        | 238                  | 96 74                        |
|                      | 0.16             | 0.4                | 0.68                        | 235                  | 100 78                       |
|                      | 0.15             | 0.387298           | 0.68                        | 232                  | 102 80                       |
|                      | 0.14             | 0.374165           | 0.65                        | 232                  | 104 82                       |
|                      | 0.11             | 0.331662           | 0.64                        | 226                  | 104 84                       |
|                      | 0.22             | 0.469041           | 0.9                         | 245                  | 106 87                       |
|                      | 0.21             | 0.458257           | 0.67                        | 223                  | 106 90                       |
|                      | 0.21             | 0.458257           | 0.65                        | 235                  | 107 92                       |
|                      | 0.2              | 0.447213           | 0.65                        | 236                  | 106 94                       |
|                      | 0.2              | 0.447213           | 0.63                        | 237                  | 105 95                       |
|                      | 0.22             | 0.469041           | 0.62                        | 237                  | 106 96                       |
|                      | 0.2              | 0.447213           | 0.67                        | 235                  | 105 98                       |
|                      | 0.17             | 0.412310           | 0.66                        | 236                  | 105 98                       |
|                      | 0.17             | 0.412310           | 0.64                        | 236                  | 105 98                       |
|                      | 0.16             | 0.4                | 0.62                        | 234                  | 104 100                      |
|                      | 0.16             | 0.4                | 0.63                        | 230                  | 104 100                      |
|                      | 0.14             | 0.374165           | 0.65                        | 225                  | 104 100                      |
|                      |                  | AVERAGE<br>SQUARED |                             |                      |                              |
|                      |                  | -----              |                             |                      |                              |
| AVERAGE              | 0.429446         | 0.184              | AVERAGE 0.67                | AVERAGE 235.1666     | AVERAGE 90.06                |
|                      | =====            | =====              | =====                       | =====                | =====                        |

EAGLE SNACKS - CONT. FRYER  
10/10/90 - TEST #2

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|----------------|-----------------------------|----------------------|------------------------------|
| 428.708              | 0.11             | 0.331662       | 0.25                        | 232                  | 94                           |
| 451.485              | 0.14             | 0.374165       | 0.32                        | 231                  | 90                           |
| -----                | 0.16             | 0.4            | 0.36                        | 239                  | 90                           |
| 22.777               | 0.19             | 0.435889       | 0.43                        | 238                  | 90                           |
| =====                | 0.19             | 0.435889       | 0.43                        | 238                  | 92                           |
| (DIFFERENCE)         | 0.19             | 0.435889       | 0.43                        | 238                  | 92                           |
|                      | 0.23             | 0.479583       | 0.52                        | 237                  | 97                           |
|                      | 0.23             | 0.479583       | 0.52                        | 238                  | 97                           |
|                      | 0.18             | 0.424264       | 0.41                        | 237                  | 102                          |
|                      | 0.22             | 0.469041       | 0.5                         | 238                  | 102                          |
|                      | 0.23             | 0.479583       | 0.53                        | 239                  | 106                          |
|                      | 0.23             | 0.479583       | 0.54                        | 229                  | 108                          |
|                      | 0.26             | 0.509901       | 0.61                        | 232                  | 110                          |
|                      | 0.26             | 0.509901       | 0.61                        | 234                  | 110                          |
|                      | 0.32             | 0.565685       | 0.75                        | 234                  | 112                          |
|                      | 0.33             | 0.574456       | 0.77                        | 235                  | 112                          |
|                      | 0.28             | 0.529150       | 0.65                        | 237                  | 114                          |
|                      | 0.2              | 0.447213       | 0.47                        | 237                  | 116                          |
|                      | 0.19             | 0.435889       | 0.45                        | 235                  | 114                          |
|                      | 0.18             | 0.424264       | 0.42                        | 236                  | 114                          |
|                      | 0.17             | 0.412310       | 0.4                         | 233                  | 114                          |
|                      | 0.17             | 0.412310       | 0.4                         | 231                  | 115                          |
|                      | 0.24             | 0.489897       | 0.56                        | 233                  | 115                          |
|                      | 0.32             | 0.565685       | 0.7                         | 227                  | 115                          |
|                      |                  | -----          |                             |                      |                              |
|                      |                  | AVERAGE        |                             |                      |                              |
|                      |                  | SQUARED        |                             |                      |                              |
| AVERAGE              | 0.462575         | 0.214          | AVERAGE                     | 0.50                 | AVERAGE                      |
|                      | =====            | =====          |                             | =====                | =====                        |
|                      |                  |                |                             | 234.9166             | AVERAGE                      |
|                      |                  |                |                             |                      | 101.54                       |
|                      |                  |                |                             |                      | =====                        |

EAGLE SNACKS - CONT. FRYER  
10/10/90 - TEST #3

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|----------------|-----------------------------|----------------------|------------------------------|
| 451.751              | 0.21             | 0.458257       | 0.48                        | 230                  | 94 94                        |
| 472.681              | 0.19             | 0.435889       | 0.43                        | 234                  | 94 94                        |
| -----                | 0.19             | 0.435889       | 0.43                        | 238                  | 94 94                        |
| 20.930               | 0.19             | 0.435889       | 0.43                        | 235                  | 94 94                        |
| =====                | 0.19             | 0.435889       | 0.43                        | 236                  | 94 94                        |
| (DIFFERENCE)         | 0.2              | 0.447213       | 0.46                        | 238                  | 98 92                        |
|                      | 0.22             | 0.469041       | 0.5                         | 240                  | 103 93                       |
|                      | 0.17             | 0.412310       | 0.4                         | 240                  | 104 94                       |
|                      | 0.17             | 0.412310       | 0.39                        | 238                  | 110 96                       |
|                      | 0.15             | 0.387298       | 0.35                        | 239                  | 112 98                       |
|                      | 0.12             | 0.346410       | 0.28                        | 236                  | 112 98                       |
|                      | 0.11             | 0.331662       | 0.26                        | 227                  | 103 98                       |
|                      | 0.19             | 0.435889       | 0.44                        | 238                  | 103 98                       |
|                      | 0.17             | 0.412310       | 0.39                        | 237                  | 104 98                       |
|                      | 0.19             | 0.435889       | 0.44                        | 235                  | 106 98                       |
|                      | 0.19             | 0.435889       | 0.44                        | 237                  | 106 98                       |
|                      | 0.2              | 0.447213       | 0.46                        | 237                  | 106 98                       |
|                      | 0.21             | 0.458257       | 0.49                        | 237                  | 107 99                       |
|                      | 0.19             | 0.435889       | 0.44                        | 236                  | 108 100                      |
|                      | 0.18             | 0.424264       | 0.42                        | 233                  | 108 100                      |
|                      | 0.17             | 0.412310       | 0.4                         | 231                  | 108 100                      |
|                      | 0.15             | 0.387298       | 0.35                        | 230                  | 108 100                      |
|                      | 0.13             | 0.360555       | 0.31                        | 227                  | 108 100                      |
|                      | 0.11             | 0.331662       | 0.26                        | 226                  | 108 100                      |
|                      |                  | -----          | AVERAGE<br>SQUARED          |                      |                              |
| AVERAGE              | 0.416062         | 0.173          | AVERAGE 0.40                | AVERAGE 234.7916     | AVERAGE 100.42               |
|                      | =====            | =====          | =====                       | =====                | =====                        |



EAGLE SNACKS - TORTILLA LINE  
10/10/90 - TEST #4

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|----------------|-----------------------------|----------------------|------------------------------|
| 477.535              | 0.12             | 0.346410       | 0.94                        | 177                  | 60 60                        |
| 582.634              | 0.12             | 0.346410       | 0.96                        | 174                  | 70 65                        |
| -----                | 0.13             | 0.360555       | 1.04                        | 179                  | 78 66                        |
| 105.099              | 0.14             | 0.374165       | 1.18                        | 152                  | 84 70                        |
| =====                | 0.16             | 0.4            | 1.36                        | 178                  | 90 76                        |
| (DIFFERENCE)         | 0.14             | 0.374165       | 1.16                        | 180                  | 98 80                        |
|                      | 0.13             | 0.360555       | 1.08                        | 181                  | 100 84                       |
|                      | 0.13             | 0.360555       | 1.08                        | 182                  | 102 88                       |
|                      | 0.12             | 0.346410       | 1                           | 181                  | 104 90                       |
|                      | 0.12             | 0.346410       | 1                           | 180                  | 106 84                       |
|                      | 0.13             | 0.360555       | 1.1                         | 176                  | 106 96                       |
|                      | 0.13             | 0.360555       | 1.1                         | 182                  | 107 97                       |
|                      | 0.14             | 0.374165       | 1.18                        | 182                  | 108 98                       |
|                      | 0.14             | 0.374165       | 1.18                        | 180                  | 105 98                       |
|                      | 0.16             | 0.4            | 1.35                        | 182                  | 106 98                       |
|                      | 0.15             | 0.387298       | 1.27                        | 182                  | 110 100                      |
|                      | 0.14             | 0.374165       | 1.19                        | 183                  | 112 102                      |
|                      | 0.11             | 0.331662       | 0.94                        | 182                  | 111 103                      |
|                      | 0.11             | 0.331662       | 0.94                        | 181                  | 112 104                      |
|                      | 0.1              | 0.316227       | 0.85                        | 180                  | 112 104                      |
|                      |                  | -----          | AVERAGE<br>SQUARED          |                      |                              |
|                      | AVERAGE          | 0.361304       | 0.131                       | AVERAGE              | 178.7                        |
|                      | =====            | =====          | =====                       | =====                | =====                        |
|                      |                  |                | AVERAGE                     | 178.7                | AVERAGE 93.60                |
|                      |                  |                | =====                       | =====                | =====                        |

## EAGLE SNACKS - TORTILLA LINE

10/11/90 - TEST #5

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT     | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|--------------------|-----------------------------|----------------------|------------------------------|
| 585.454              | 0.13             | 0.360555           | 1.1                         | 178                  | 104 102                      |
| 699.230              | 0.13             | 0.360555           | 1.1                         | 183                  | 104 105                      |
| -----                | 0.13             | 0.360555           | 1.11                        | 184                  | 113 107                      |
| 113.776              | 0.13             | 0.360555           | 1.22                        | 127                  | 116 108                      |
| =====                | 0.15             | 0.387298           | 1.41                        | 129                  | 120 110                      |
| (DIFFERENCE)         | 0.13             | 0.360555           | 1.23                        | 130                  | 124 112                      |
|                      | 0.13             | 0.360555           | 1.22                        | 132                  | 122 114                      |
|                      | 0.12             | 0.346410           | 1.13                        | 133                  | 122 114                      |
|                      | 0.13             | 0.360555           | 1.22                        | 131                  | 123 114                      |
|                      | 0.13             | 0.360555           | 1.23                        | 129                  | 120 114                      |
|                      | 0.15             | 0.387298           | 1.42                        | 127                  | 120 114                      |
|                      | 0.14             | 0.374165           | 1.33                        | 126                  | 124 114                      |
|                      | 0.14             | 0.374165           | 1.32                        | 133                  | 125 115                      |
|                      | 0.14             | 0.374165           | 1.33                        | 130                  | 125 116                      |
|                      | 0.16             | 0.4                | 1.51                        | 133                  | 124 116                      |
|                      | 0.14             | 0.374165           | 1.33                        | 128                  | 124 116                      |
|                      | 0.13             | 0.360555           | 1.25                        | 123                  | 125 116                      |
|                      | 0.12             | 0.346410           | 1.15                        | 124                  | 127 119                      |
|                      | 0.12             | 0.346410           | 1.15                        | 128                  | 126 120                      |
|                      | 0.1              | 0.316227           | 0.97                        | 120                  | 126 120                      |
|                      |                  | AVERAGE<br>SQUARED |                             |                      |                              |
|                      |                  | -----              |                             |                      |                              |
| AVERAGE              | 0.363585         | 0.132              | AVERAGE 1.24                | AVERAGE 136.4        | AVERAGE 117.00               |
|                      | =====            | =====              | =====                       | =====                | =====                        |

A00019

EAGLE SNACKS - TORTILLA LINE  
10/12/90 - TEST #6

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT     | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|--------------------|-----------------------------|----------------------|------------------------------|
| 708.417              | 0.13             | 0.360555           | 1.04                        | 170                  | 62 60                        |
| 811.858              | 0.12             | 0.346410           | 0.95                        | 175                  | 66 60                        |
| -----                | 0.13             | 0.360555           | 1.04                        | 175                  | 76 64                        |
| 103.441              | 0.14             | 0.374165           | 1.14                        | 175                  | 84 68                        |
| =====                | 0.15             | 0.387298           | 1.23                        | 174                  | 84 72                        |
| (DIFFERENCE)         | 0.12             | 0.346410           | 0.99                        | 173                  | 88 74                        |
|                      | 0.12             | 0.346410           | 0.99                        | 173                  | 90 78                        |
|                      | 0.12             | 0.346410           | 1                           | 173                  | 92 80                        |
|                      | 0.11             | 0.331662           | 0.92                        | 172                  | 96 84                        |
|                      | 0.1              | 0.316227           | 0.84                        | 172                  | 97 87                        |
|                      | 0.13             | 0.360555           | 1.1                         | 171                  | 98 88                        |
|                      | 0.14             | 0.374165           | 1.18                        | 173                  | 98 90                        |
|                      | 0.14             | 0.374165           | 1.18                        | 173                  | 102 90                       |
|                      | 0.15             | 0.387298           | 1.27                        | 174                  | 100 92                       |
|                      | 0.17             | 0.412310           | 1.44                        | 173                  | 101 93                       |
|                      | 0.15             | 0.387298           | 1.27                        | 174                  | 102 94                       |
|                      | 0.14             | 0.374165           | 1.19                        | 173                  | 104 96                       |
|                      | 0.12             | 0.346410           | 1.02                        | 173                  | 104 96                       |
|                      | 0.11             | 0.331662           | 0.94                        | 172                  | 105 97                       |
|                      | 0.11             | 0.331662           | 0.94                        | 173                  | 105 99                       |
|                      |                  | AVERAGE<br>SQUARED |                             |                      |                              |
|                      |                  | -----              |                             |                      |                              |
| AVERAGE              | 0.359789         | 0.129              | AVERAGE 1.08                | AVERAGE 173.05       | AVERAGE 87.90                |
|                      | =====            | =====              | =====                       | =====                | =====                        |

A00050

EAGLE SNACKS - PARTICULATE SIZING  
10/10/90 - TEST #1

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|----------------|-----------------------------|----------------------|------------------------------|
| 435.500              |                  |                | 1.15                        |                      | 63 70                        |
| 445.619              |                  |                | 0.57                        |                      |                              |
| -----                |                  |                |                             |                      |                              |
| 10.119               |                  |                |                             |                      |                              |
| =====                |                  |                |                             |                      |                              |
| (DIFFERENCE)         |                  |                |                             |                      |                              |

AVERAGE  
SQUARED

| AVERAGE | ERR | ERR | AVERAGE | ERR | AVERAGE | ERR | AVERAGE | ERR   |
|---------|-----|-----|---------|-----|---------|-----|---------|-------|
|         |     |     |         |     |         |     |         |       |
|         |     |     | 0.86    |     |         |     |         | 66.50 |
| =====   |     |     |         |     |         |     |         |       |

EAGLE SNACKS - PARTICULATE SIZING  
10/10/90 - TEST #2

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|----------------|-----------------------------|----------------------|------------------------------|
| 446.044              |                  |                | 0.5                         |                      | 72 84                        |
| 455.544              |                  |                |                             |                      | 76 84                        |
| -----                |                  |                |                             |                      |                              |
| 9.500                |                  |                |                             |                      |                              |
| =====                |                  |                |                             |                      |                              |
| (DIFFERENCE)         |                  |                |                             |                      |                              |

AVERAGE  
SQUARED

| AVERAGE | ERR | ERR | AVERAGE | ERR | AVERAGE | ERR | AVERAGE | ERR   |
|---------|-----|-----|---------|-----|---------|-----|---------|-------|
|         |     |     |         |     |         |     |         |       |
|         |     |     |         |     |         |     |         | 79.00 |
| =====   |     |     |         |     |         |     |         |       |

EAGLE SNACKS - PARTICULATE SIZING  
10/10/90 - TEST #3

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |
|----------------------|------------------|----------------|-----------------------------|----------------------|------------------------------|
| 456.300              |                  |                | 0.5                         |                      | 76 86                        |
| 466.145              |                  |                |                             |                      |                              |
| -----                |                  |                |                             |                      |                              |
| 9.845                |                  |                |                             |                      |                              |
| =====                |                  |                |                             |                      |                              |
| (DIFFERENCE)         |                  |                |                             |                      |                              |

AVERAGE  
SQUARED

| AVERAGE | ERR | ERR | AVERAGE | ERR | AVERAGE | ERR | AVERAGE | ERR   |
|---------|-----|-----|---------|-----|---------|-----|---------|-------|
|         |     |     |         |     |         |     |         |       |
|         |     |     |         |     |         |     |         | 81.00 |
| =====   |     |     |         |     |         |     |         |       |

A00051

EAGLE SNACKS - PARTICULATE SIZING  
10/10/90 - TEST #4

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H |         | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |       |         |       |
|----------------------|------------------|----------------|-----------------------------|---------|----------------------|------------------------------|-------|---------|-------|
| 468.947              |                  |                |                             | 0.4     |                      | 72                           | 80    |         |       |
| 499.242              |                  |                |                             | 0.4     |                      | 74                           | 76    |         |       |
|                      |                  |                |                             | 0.4     |                      | 74                           | 76    |         |       |
| 30.295               |                  |                |                             | 0.42    |                      | 74                           | 76    |         |       |
| =====                |                  |                |                             | 0.38    |                      | 76                           | 81    |         |       |
| (DIFFERENCE)         |                  |                |                             | 0.36    |                      | 80                           | 86    |         |       |
|                      |                  |                | AVERAGE<br>SQUARED          |         |                      |                              |       |         |       |
|                      | AVERAGE          | ERR            | ERR                         | AVERAGE | 0.39                 | AVERAGE                      | ERR   | AVERAGE | 77.08 |
|                      | =====            | =====          | =====                       | =====   | =====                | =====                        | ===== | =====   | ===== |

EAGLE SNACKS - PARTICULATE SIZING  
10/11/90 - TEST #5

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H |         | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |       |         |       |
|----------------------|------------------|----------------|-----------------------------|---------|----------------------|------------------------------|-------|---------|-------|
| -----                | -----            | -----          | -----                       |         | -----                | -----                        |       |         |       |
| 499.454              |                  |                |                             | 0.4     |                      | 86                           | 98    |         |       |
| 529.384              |                  |                |                             | 0.4     |                      | 88                           | 104   |         |       |
| -----                |                  |                |                             | 0.37    |                      | 88                           | 102   |         |       |
| 29.930               |                  |                |                             | 0.42    |                      | 88                           | 98    |         |       |
| =====                |                  |                |                             | 0.42    |                      | 88                           | 97    |         |       |
| (DIFFERENCE)         |                  |                |                             |         |                      |                              |       |         |       |
|                      |                  |                | AVERAGE<br>SQUARED          |         |                      |                              |       |         |       |
|                      |                  | -----          |                             |         |                      |                              |       |         |       |
|                      | AVERAGE          | ERR            | ERR                         | AVERAGE | 0.40                 | AVERAGE                      | ERR   | AVERAGE | 93.70 |
|                      | -----            | -----          | -----                       | -----   | -----                | -----                        | ----- | -----   | ----- |

EAGLE SNACKS - PARTICULATE SIZING  
10/12/90 - TEST #6

| GAS METER<br>READING | VELOCITY<br>HEAD | SQUARE<br>ROOT | ORIFICE PRESSURE<br>DELTA H |         | STACK<br>TEMPERATURE | DRY GAS METER<br>TEMPERATURE |       |         |       |
|----------------------|------------------|----------------|-----------------------------|---------|----------------------|------------------------------|-------|---------|-------|
| -----                | -----            | -----          | -----                       |         | -----                | -----                        |       |         |       |
| 529.577              |                  |                | 0.4                         | 0.5     |                      | 66                           | 70    |         |       |
| 561.874              |                  |                | 0.4                         | 0.3     |                      | 66                           | 72    |         |       |
| -----                |                  |                | 0.4                         | 0.45    |                      | 66                           | 74    |         |       |
| 32.297               |                  |                | 0.4                         | 0.51    |                      | 73                           | 80    |         |       |
| =====                |                  |                | 0.4                         | 0.5     |                      | 74                           | 84    |         |       |
| (DIFFERENCE)         |                  |                | 0.4                         | 0.5     |                      | 74                           | 84    |         |       |
|                      |                  |                | AVERAGE<br>SQUARED          |         |                      |                              |       |         |       |
|                      |                  | -----          |                             |         |                      |                              |       |         |       |
|                      | AVERAGE          | ERR            | ERR                         | AVERAGE | 0.46                 | AVERAGE                      | ERR   | AVERAGE | 73.58 |
|                      | -----            | -----          | -----                       | -----   | -----                | -----                        | ----- | -----   | ----- |

A00052

# **WESTERN ENVIRONMENTAL SERVICES**

## **APPENDIX B**

# WESTERN ENVIRONMENTAL SERVICES

## PITOT TUBE CALIBRATION

Date: January 19, 1990  
Calibrated by: Ty Hasriter  
Number: 23  
Source: Magnehlic 0-2"

| Delta P<br>std | Delta P<br>leg 1 | Delta P<br>leg 2 | Cp<br>leg 1 | Cp<br>leg 2 |
|----------------|------------------|------------------|-------------|-------------|
| 1.04           | 1.65             | 1.50             | 0.79        | 0.83        |
| 0.69           | 1.05             | 1.10             | 0.81        | 0.79        |
| 0.36           | 0.60             | 0.62             | 0.77        | 0.76        |
| Averages       |                  |                  | 0.79        | 0.80        |
| Average        |                  |                  | <u>0.79</u> |             |

B00001

**WESTERN ENVIRONMENTAL SERVICES**

**APPENDIX C**



# WESTERN ENVIRONMENTAL SERVICES

## NOMENCLATURE

|                  |                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------|
| %CO              | Percent CO by volume, dry                                                                                                  |
| %CO <sub>2</sub> | Percent CO <sub>2</sub> by volume, dry                                                                                     |
| %EA              | Percent excess air in stack gas                                                                                            |
| %I               | Percent Isokinetic                                                                                                         |
| %M               | Percent Moisture in Stack Gas, by Volume                                                                                   |
| %N <sub>2</sub>  | Percent N <sub>2</sub> by volume, dry                                                                                      |
| %O <sub>2</sub>  | Percent O <sub>2</sub> by volume, dry                                                                                      |
| A <sub>s</sub>   | Stack Area, ft <sup>2</sup>                                                                                                |
| C <sub>p</sub>   | Pitot Tube Coefficient                                                                                                     |
| C <sub>sf</sub>  | Particulate concentrations at standard conditions <sup>(1)</sup> , dry, based on probe, cyclone and filter catch, GRS/SDCF |
| C <sub>st</sub>  | Particulate concentration at standard conditions <sup>(1)</sup> , dry, based on total catch, GRS/SDCF                      |
| D <sub>n</sub>   | Sampling nozzle diameter, in.                                                                                              |
| E <sub>f</sub>   | Particulate emission rate, based on probe, cyclone and filter catch, lbs/hr                                                |
| E <sub>t</sub>   | Particulate emission rates based on total particulate catch, lbs/hr                                                        |
| I <sub>c</sub>   | Percent of particulate caught in impingers                                                                                 |
| M <sub>d</sub>   | Mole Fraction Dry Stack Gas                                                                                                |
| M <sub>f</sub>   | Particulate collected in probe, cyclone and filter, mg.                                                                    |
| M <sub>t</sub>   | Total particulate collected mg.                                                                                            |
| MW               | Molecular Weight of Wet Stack Gas, gm/gm-mole                                                                              |
| MW <sub>c</sub>  | Molecular Weight of Chemical                                                                                               |
| MW <sub>d</sub>  | Molecular Weight of Dry Stack Gas, gm/gm-mole                                                                              |
| P                | Velocity head, in. H <sub>2</sub> O                                                                                        |
| P <sub>b</sub>   | Barometric Pressure, in. Hg.                                                                                               |
| PE <sub>f</sub>  | Particulate emission rate on a process basis, probe, cyclone and filter catch                                              |
| PE <sub>t</sub>  | Particulate emission rate on a process basis, Total catch                                                                  |
| P <sub>m</sub>   | Average Orifice Pressure Drop, in. Hg.                                                                                     |

## WESTERN ENVIRONMENTAL SERVICES

### NOMENCLATURE

(CONT)

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| PPM               | Parts per million                                                                        |
| $P_s$             | Stack Gas Pressure, in. Hg., absolute                                                    |
| $P_u$             | Unit process rate                                                                        |
| $Q_a$             | Stack Gas Flow Rate at Stack Conditions, $\text{ft}^3/\text{min}$                        |
| $Q_s$             | Stack Gas Flow Rate at Standard Conditions <sup>(1)</sup> , dry $\text{ft}^3/\text{min}$ |
| $T_m$             | Average Dry Gas Meter Temperature, $^{\circ}\text{F}$ .                                  |
| $T_s$             | Stack Gas Temperature, $^{\circ}\text{F}$                                                |
| $T_s$             | Average Stack Gas Temperature, $^{\circ}\text{F}$                                        |
| $T_{\text{std}}$  | Standard Temperature, $^{\circ}\text{F}$                                                 |
| $T_t$             | Net time of test min.                                                                    |
| $V_m$             | Volume of Dry Gas Sampled at Meter Conditions, $\text{ft}^3$                             |
| $V_{m\text{std}}$ | Volume of Dry Gas Sampled at Standard Conditions <sup>(1)</sup> , $\text{ft}^3$          |
| $V_s$             | Average Stack Gas Velocity, Stack Conditions, $\text{ft}/\text{sec}$                     |
| $V_w$             | Total $\text{H}_2\text{O}$ Collected in Impingers and Silica Gel, ml                     |
| $V_{w\text{std}}$ | Volume of Water Vapor Collected at Standard Conditions <sup>(1)</sup> , ft               |

# WESTERN ENVIRONMENTAL SERVICES

## CALCULATIONS

1. Volume of water vapor at standard conditions <sup>(1)</sup>

$$V_{w\text{std}} = .00267 * \frac{460 + T_{\text{std}}}{29.92} * V_{lc}$$

2. Volume of dry gas sampled at standard conditions <sup>(1)</sup>

$$V_{m\text{std}} = 17.64 * \frac{V_m (P_b + P_m)}{(T_m + 460)}$$

3. Percent moisture in stack gas by volume.

$$\%M = \frac{100 * V_{w\text{std}}}{V_{w\text{std}} + V_{m\text{std}}}$$

4. Mole fraction dry stack gas.

$$M_s = \frac{100 - \%M}{100}$$

5. Molecular weight of dry stack gas (gm/gm - Mole)

$$MW_d = \frac{[(\% \text{ CO}_2 * .44) + (\% \text{ O}_2 * .32) + (\% \text{ N}_2 * .28) + (\% \text{ CO} * .28) + (\% \text{ Additional Gas} * \text{MW of Additional Gas})]}{100}$$

6. Molecular weight of wet stack gas (gm/gm - Mole)

$$MW = (18 * Bwo) + [(1-Bwo) * MW_d]$$

7. Stack gas velocity at stack conditions <sup>(2)</sup>, (ft/sec)

$$V_s = 85.49 * CP * \sqrt{\Delta P} * \frac{\sqrt{(T_s + 460)}}{M_s * P_s}$$

8. Stack gas volumetric flow rate at stack conditions.

$$Q_a = V_s * A_s * 60$$

## WESTERN ENVIRONMENTAL SERVICES

### CALCULATIONS

9. Stack gas volumetric flow rate at standard conditions <sup>(1)</sup>

$$Q_s = Q_a * \frac{528}{460 + T_s} * \frac{P_s}{29.92} * (1.00 - B_w)$$

10. Percent isokinetic

$$\%I = \left[ \frac{(T_s + 460) * V_{m\_std}}{P_s * V_s * AN * T_t} * (1 - B_w) \right] * .0945$$

11. Particulate Concentrations at standard conditions <sup>(1)</sup>, dry, based on probe, cyclone and filter catch.

$$C_{sf} = \frac{M_f * 15.43}{V_{m\_std} * 1000}$$

12. Particulate concentration at standard conditions <sup>(1)</sup>, dry, based on total catch.

$$C_{st} = \frac{M_t * 15.43}{V_{m\_std} * 1000}$$

13. Particulate emission rate, based on probe, cyclone, and filter catch.

$$E_f = \frac{M_f * 60 * Q_s}{454,000 * V_{m\_std}}$$

14. Particulate emission rate, based on total catch.

$$E_t = \frac{M_t * 60 * Q_s}{454,000 * V_{m\_std}}$$

# WESTERN ENVIRONMENTAL SERVICES

## CALCULATIONS

15. Particulate emission rate on a process basis, probe, cyclone, and filter catch.

$$PE_f = \frac{E_f}{P_u}$$

16. Particulate emission rate on a process basis, total catch.

$$PE_t = \frac{E_f}{P_u}$$

17. Particulate emission rate, part per million.

$$ppm = \frac{M_t}{V_{mstd}} * \frac{863.3}{MW_c}$$

(1) Standard conditions: 68°, 29.92 "Hg

(2)  $\sqrt{\Delta P_s * (T_s + 460)}$

is determined by averaging the square root of the product of the velocity head ( $\Delta P_s$ ) and the absolute stack temperature ( $T_s + 460$ ) for each individual point

**WESTERN ENVIRONMENTAL SERVICES**

**APPENDIX D**



## ANHEUSER-BUSCH COMPANIES

October 24, 1990

Mr. Thomas L. Rooney  
Western Environmental Services  
1010 So. Pacific Coast Highway  
Redondo Beach, CA 90277

RE: Visalia Eagle Snacks, Inc.  
October Fryer Testing

Dear Tom:

Attached is a copy of my field notes from October 10, 11, 12, 1990 for inclusion in the pending report covering testing on those dates. These field notes include my best estimates of the process rates during each of your test runs.

For each fryer, there was a circumstance that limited production. In the Fall, the potato chip Fryer operates at a lower frying temperature (about 10°F) to reduce the product chip coloration from the higher raw potato sugar content of newly harvested potatoes. This lower frying temperature also reduces the maximum possible fryer thruput.

Two different tortilla products were processed during your tests. The thinner "premium" chip is triangular. The tortilla chip processing line can produce up to about 1500 lb/hr of finished, unseasoned, "premium" chips. A thicker "restaurant" chip is shaped like a quarter circle. The chip processing line can produce up to about 1150 lb/hr of the finished, unseasoned, "restaurant" chips. The maximum outputs for both the potato chip and tortilla fryers are theoretical ones based on many assumptions which are only approximated on a day to day basis.

In your process description of your test report, please include a short narrative of the potato sugar variance and the tortilla chip products. In the summary table where you list the tortilla process rate, please include a column showing the chip type being processed as noted in my field notes (i.e. "premium" or "restaurant"). Please call if you have any questions.

Yours truly,

ANHEUSER-BUSCH COMPANIES, INC.

*Donald M. DeHart*  
Donald M. DeHart  
Sr. Env. Eng.

Tel: (314) 577-4158  
Fax: (314) 577-1032

DMD/tms

Attachment

Anheuser-Busch Companies, Inc.  
Executive Offices  
One Busch Place  
St. Louis, MO U.S.A. 63118-1852  
Telex 447 117 ANBUSCH STL

DOC001

Oct 10, 1990

Visalia Commercial Potatoes Fryer, Size Distribution

| DATE                     | TIME | INPUT, Rpm<br>Totalizer | Rate<br>lb/hr | Testing<br>Start/Stop<br>Time | R | Frying Oil<br>Make-up<br>lb | Exhaust<br>Temp<br>°F | Oil Temp of<br>Fryer<br>°F | Exhaust<br>Temp<br>°F | Input<br>Rpm | Comments                                                                                                                       |
|--------------------------|------|-------------------------|---------------|-------------------------------|---|-----------------------------|-----------------------|----------------------------|-----------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| 10/1                     | 0845 | 16600                   | 10700         |                               |   | 1304                        | 354                   | 305                        | 55                    | 838          | Operator over                                                                                                                  |
|                          | 0900 | 168700                  | 10500         |                               |   | 1517                        | 352                   | 303                        | 55                    | 802          | Potatoes Hopper Anger Speed (7% Input discontinued)                                                                            |
|                          | 0915 | 171360                  | 11100         |                               |   | 1853                        | 354                   | 304                        | 55                    | 841          |                                                                                                                                |
|                          | 0925 | 173150                  | 10300         |                               | 1 | 2068                        | 352                   | 305                        | 55                    | 848          |                                                                                                                                |
|                          | 0940 | 175750                  | 10820         |                               |   | 2345                        | 354                   | 308                        | 55                    | 849          |                                                                                                                                |
|                          | 0955 | 178360                  | 10400         | 0920                          |   | 2608                        | 352                   | 306                        | 55                    | 857          |                                                                                                                                |
|                          | 1010 | 181020                  | 11080         |                               |   | 2887                        | 352                   | 305                        | 55                    | 860          |                                                                                                                                |
|                          | 1025 | 182820                  | 10450         | 1022                          | 1 | 307                         | 352                   | 305                        | 55                    | 860          | 305 - 310 of Outlet Temp - criteria if too low decrease Anger speed                                                            |
|                          | 1038 | 195110                  | 10500         | 1023                          |   | max 9820                    | 350                   | 305                        | 55                    | 864          | IN Fall, potatoes have higher moisture & sugar than most, need speed to brown fry long and have them good to minimize chipping |
|                          | 1200 | 200950                  | 11000         |                               |   | 4346                        | 352                   | 303                        | 55                    | 864          |                                                                                                                                |
| 10/2                     | 1215 | 203760                  | 11000         |                               |   | 4966                        | 351                   | 302                        | 55                    | 865          |                                                                                                                                |
|                          | 1225 | 205500                  | 12100         | 1220                          | 2 | 5166                        | 352                   | 304                        | 55                    | 865          |                                                                                                                                |
|                          | 1240 | 208250                  | 11300         |                               |   | 5386                        | 352                   | 304                        | 55                    | 866          |                                                                                                                                |
|                          | 1255 | 211080                  | 10400         |                               |   | 5774                        | 353                   | 304                        | 55                    | 866          |                                                                                                                                |
|                          | 1315 | 214640                  | 10700         | 1322                          | 2 | 5996                        | 352                   | 305                        | 55                    | 865          |                                                                                                                                |
|                          | 1325 | 216510                  | 10700         |                               |   | 6306                        | 352                   | 304                        | 55                    | 865          |                                                                                                                                |
|                          | 1505 | 227600                  | 12000         | 1506                          | 3 | max 10920                   | 351                   | 303                        | 57                    | 860          |                                                                                                                                |
|                          | 1520 | 235470                  | 11300         |                               |   | 8486                        | 351                   | 308                        | 57                    | 839          |                                                                                                                                |
|                          | 1537 | 241690                  | 10600         |                               |   | 8704                        | 354                   | 304                        | 57                    | 838          |                                                                                                                                |
|                          | 1554 | 244840                  | 10200         |                               |   | 8704                        | 352                   | 306                        | 57                    | 824          |                                                                                                                                |
| 10/3                     | 1610 | 247640                  | 10980         | 1608                          | 3 | 8711                        | 353                   | 305                        | 57                    | 824          |                                                                                                                                |
|                          | 1610 | 247640                  | 10980         | 1608                          | 3 | max 11,230 lb/hr            |                       |                            |                       |              |                                                                                                                                |
| Input avg = 10,662 lb/hr |      |                         |               |                               |   |                             |                       |                            |                       |              |                                                                                                                                |
| 2134 - 2666 lb/hr        |      |                         |               |                               |   |                             |                       |                            |                       |              |                                                                                                                                |

Operator over  
Potatoes Hopper Anger Speed (7% Input  
discontinued)

857 - 1102 Atlantic (Vandal, 11/10)

305 - 310°F Outlet Temp - criteria  
if too low decrease fryer speed

INF, potatoes have higher moisture & oxygen  
than usual, need operator to keep fryer  
and then then paid to minimize chip  
extraction.



Visalia Eagle Snacks

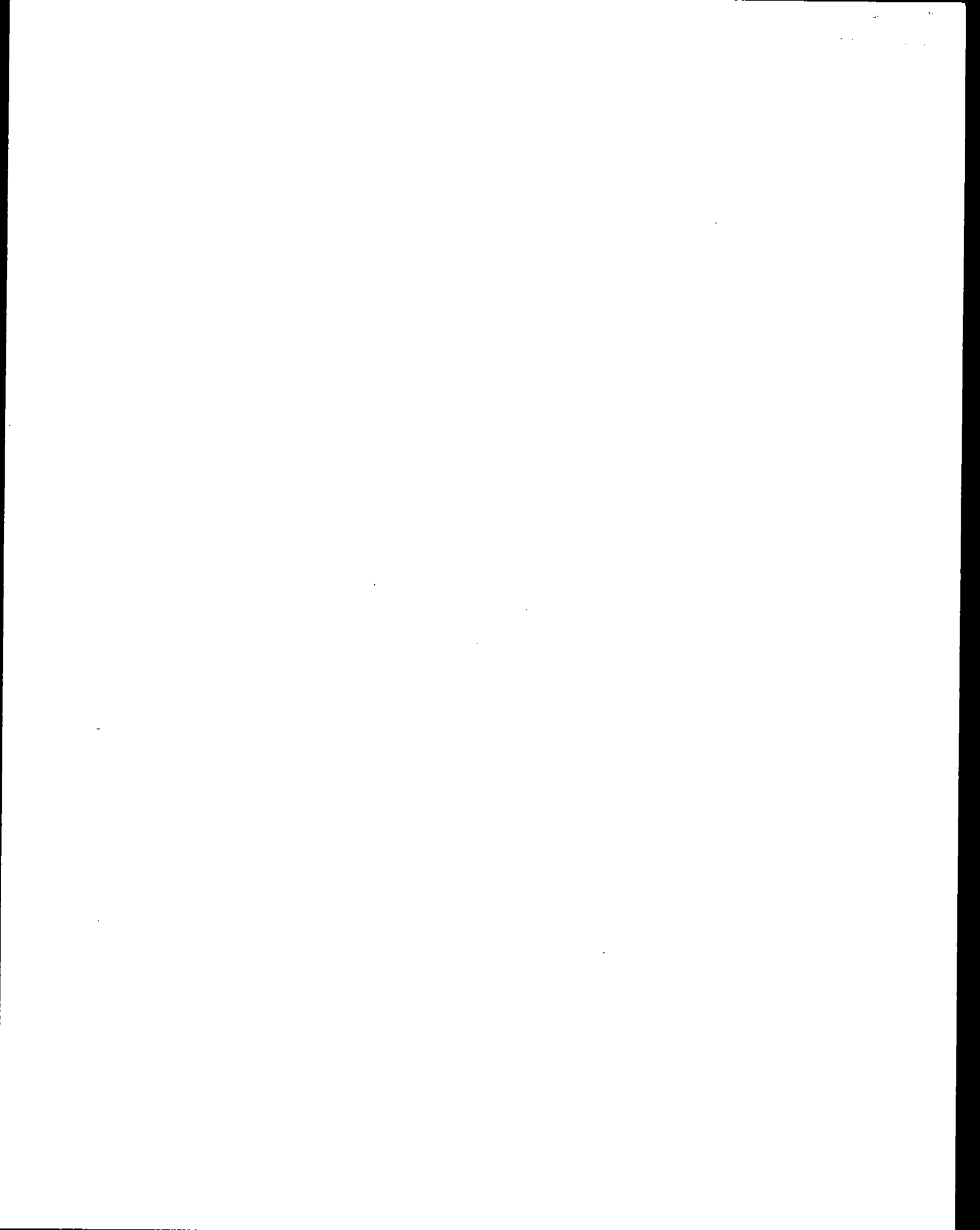
Tortilla Fryer #1

00011

1990

| DATE RUN | Testing Start/Stop Time         | TIME                            | SHEETER/CUTTER RPM |           | TAN grams 10pc | OUTPUT RATE lb/hr | Oil Temp, °F      |                | Finished chips grams 10pc | Remarks                                                                                                                                                                                                                                                                                                                                                                                |
|----------|---------------------------------|---------------------------------|--------------------|-----------|----------------|-------------------|-------------------|----------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                 |                                 | Wet                | Ind       |                |                   | Fryer Inlet (max) | Oil Exit (avg) |                           |                                                                                                                                                                                                                                                                                                                                                                                        |
| 10/11    | Start 0841<br>End 1142<br>Run 1 | 0810                            | 17.2               | 17.0      | 17.2           |                   | 340               | 359            | 16.5                      | Produced - "Premium"<br><br>Targeted w 16.5g/10 Finished chips<br><br>Operator sets weight of chips after transition over (and spray) to obtain finished chips at Target Weight.<br><br>Down 5 min at 900h to repair cutter wire etc.<br><br>*based on ave. RPM of cutting, finished chip weights and sheeter data correlation for each Product. Finished chips are without seasoning. |
|          |                                 | 0850                            | 32.3/32.4          | 11.5/11.6 | 21.5/20.2      |                   | 340               | 358            | 16.2                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 0930                            | 32.4/32.4          | 11.5/11.5 | 21.3/21.6      |                   | 342               | 361            | 16.4                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1005                            | 32.2/32.5          | 11.5/11.6 | 21.8/19.8      |                   | 344               | 360            | 16.5                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1035                            | 32.4/32.4          | 11.5/11.5 | 21.6/20.7      |                   | 344               | 359            | 16.9                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1100                            | 32.1/32.4          | 11.4/11.6 | 21.6/21.1      |                   | 34                | 360            | 16.6                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1135                            | 32.2/32.5          | 11.4/11.6 | 21.4/20.4      |                   |                   |                |                           |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | Ave. For Run                    | 32.34              |           | 21.75          | 1525 - lb/hr      |                   |                | 16.53                     |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | Start 1221<br>End 1532<br>Run 2 | 1235               | 32.4/32.5 | 11.4/11.6      | 21.3/20.7         | 344               | 361            | 16.5                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1310                            | 32.4/32.5          | 11.4/11.5 | 21.3/21.5      |                   | 342               | 361            | 16.8                      |                                                                                                                                                                                                                                                                                                                                                                                        |
| 00011    | Start 1532<br>End 1532<br>Run 3 | 1340                            | 32.4/32.5          | 11.4/11.6 | 21.5/20.5      |                   | 344               | 360            | 16.8                      | Product - Restaurants<br><br>Target is 24.6 gm.<br><br>Note: RPM measured by digital meter for 15 sec. Meter measures RPM every second and then gives Average over time read.<br><br>Finished unseasoned chips weighed on balance to nearest 0.1 gram for 80 or 20 chips.                                                                                                              |
|          |                                 | 1405                            | 32.2/32.4          | 11.5/11.6 | 19.8/20.3      |                   | 342               | 359            | 16.5                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1435                            | 2.2/2.8            | 1.5/1.6   | 21.6/21.1      |                   | 342               | 359            | 16.2                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1500                            | 2.4/2.4            | 1.5/1.5   | 21.5/21.1      |                   | 342               | 360            | 16.9                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1525                            | 2.2/2.6            | 1.4/1.5   | 21.0/21.5      |                   | 342               | 361            | 16.4                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 7 read                          |                    |           |                |                   |                   |                |                           |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | Ave For Run                     | 32.43              |           | 21.19          | 1535 lb/hr        |                   |                | 16.59                     |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | Start 0800<br>End 1102<br>Run 3 | 0850               | 35.5/35.4 | 12.0/12.0      | 31.5/31.5         | 344               | 361            | 25.3                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 0930                            | 35.4/35.6          | 12.0/12.0 | 31.2/32.5      |                   | 342               | 360            | 24.7                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 0900                            | 35.4/35.3          | 12.0/12.0 | 31.5/32.4      |                   | 344               | 360            | 24.7                      |                                                                                                                                                                                                                                                                                                                                                                                        |
| 00012    | Start 0800<br>End 1102<br>Run 3 | 0930                            | 35.3/35.5          | 12.0/12.0 | 31.1/31.9      |                   | 346               | 360            | 24.8                      | Product - Restaurants<br><br>Target is 24.6 gm.<br><br>Note: RPM measured by digital meter for 15 sec. Meter measures RPM every second and then gives Average over time read.<br><br>Finished unseasoned chips weighed on balance to nearest 0.1 gram for 80 or 20 chips.                                                                                                              |
|          |                                 | 1005                            | 35.2/35.3          | 12.0/12.0 | 32.1/31.8      |                   | 346               | 361            | 24.2                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1030                            | 35.3/35.4          | 12.0/12.0 | 30.8/31.3      |                   | 346               | 360            | 24.6                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 1100                            | 35.2/35.4          | 12.0/12.0 | 31.2/31.3      |                   | 348               | 360            | 24.6                      |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | 7 read                          |                    |           |                |                   |                   |                |                           |                                                                                                                                                                                                                                                                                                                                                                                        |
|          |                                 | Ave For Run                     | 35.37              |           | 31.57          | 1176 lb/hr        |                   |                | 24.66 gm                  |                                                                                                                                                                                                                                                                                                                                                                                        |

D00003



Oct 11, 1990  
Tortilla Fryer

Test 1

$$41.1 \text{ mo}^3/\text{hr} \times 0.015432 \frac{\text{OP}}{\text{Mo}} = 0.6342 \text{ OR}$$

$$\frac{0.6342 \text{ OR PM}}{98.861} = 0.0064 \text{ OR / feet}$$

$$0.0064 \text{ OR / feet} \times \frac{1 \#}{17000} \times \frac{1602 \text{ feet}}{1 \text{ hr}} = 0.0222 \text{ #PM / hr}$$

$$0.0222 \text{ #PM / hr} \times \frac{1 \text{ hr}}{1525 \text{ #PM / product}} \times 2000 \text{ # / hr} = 0.116 \text{ #H / hr}$$

for  
total  
product

Test 2

$$0.222 \times \frac{1}{7000} \times 1525 \times 60 = 0.1317$$

$$0.1317 \times \frac{1 \text{ hr}}{1535} \times 2000 = 0.172 \text{ #H / hr}$$

for  
total  
product

Test 3

$$0.0207 \times \frac{1}{7000} \times 1630 \times 60 = 0.2892$$

$$0.2892 \times \frac{1 \text{ hr}}{1176} \times 2000 = 0.492 \text{ #H / hr}$$

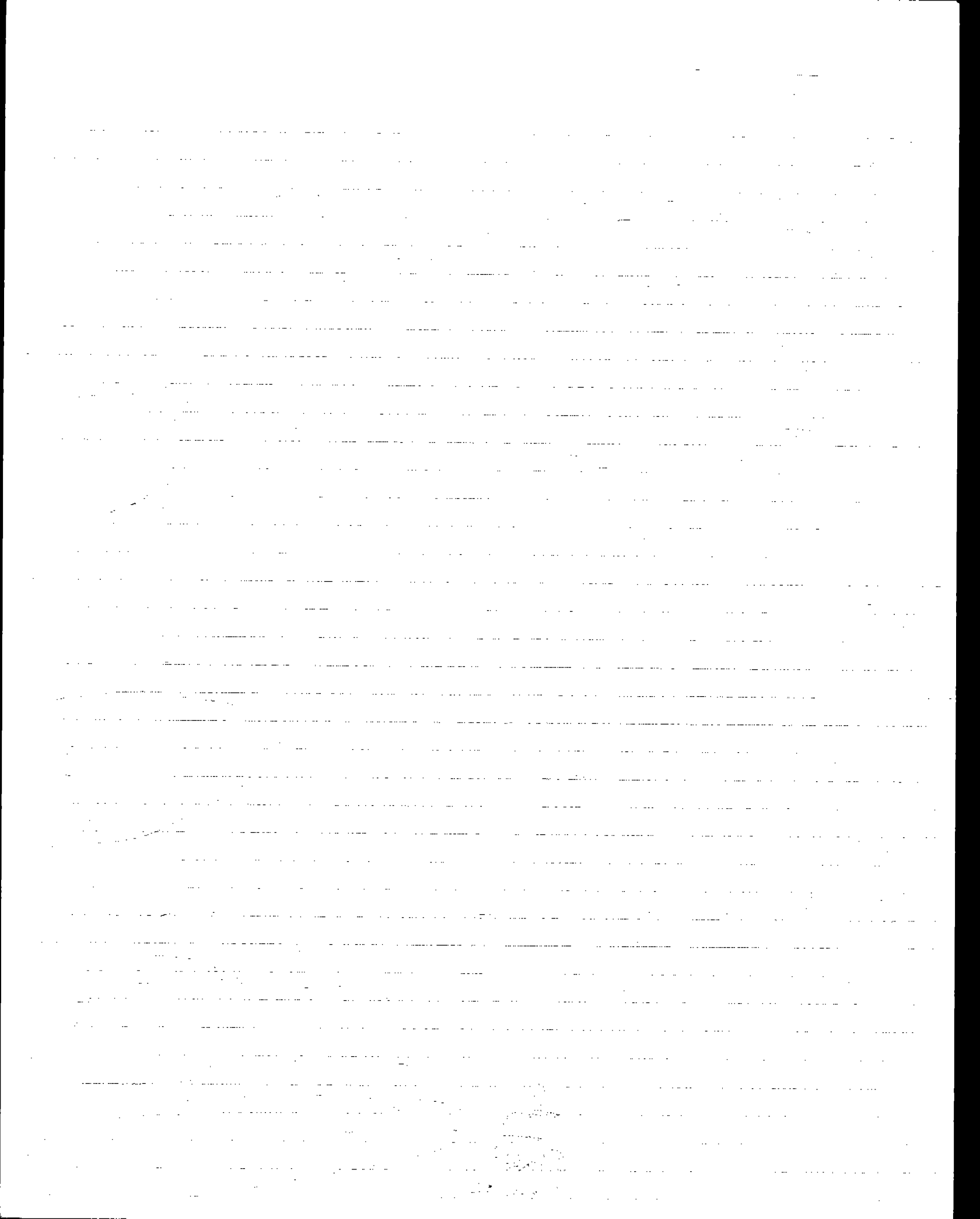
for  
total  
product

Avg  
Emission  
Factor

0.26

0.3 #H /

for 2000 #PM /



Oct. 10, 1990  
Continuous Fryer

Test 1

$$0.0422 \frac{\text{oz}}{\text{disc}} \times \frac{1\#}{7000 \text{ gr}} \times 2692 \frac{\text{disc}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} = 1.1260 \frac{\#}{\text{hr}}$$

$$1.1260 \frac{\#}{\text{hr}} \times \frac{1 \text{ hr}}{1} \times \frac{\$ \text{ price}}{\text{product}} \times 2000 \frac{\#}{\text{hr}} = \frac{\$ \text{ price}}{\text{product}}$$

Test 2

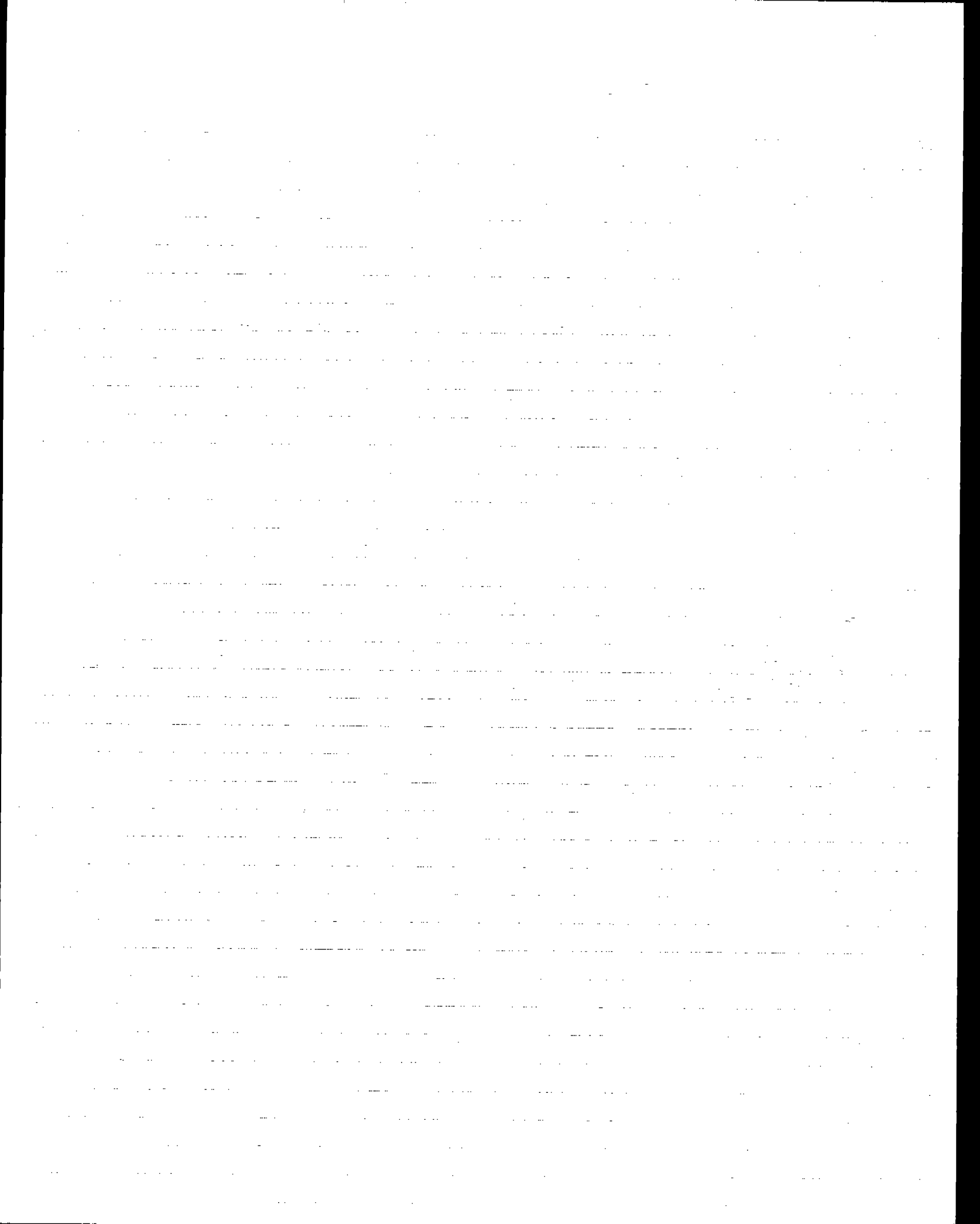
$$0.0368 \frac{\text{oz}}{\text{disc}} \times \frac{1\#}{7000 \text{ gr}} \times 2667 \times 60 = 0.8412$$

$$0.8412 \times 1 \frac{\text{hr}}{1} \times 2000 = \frac{\$ \text{ price}}{\text{product}}$$

Test 3

$$0.045 \times \frac{1}{7000} \times 2415 \times 60 = 1.0231$$

$$1.0231 \times 1 \times 2000 = \frac{\$ \text{ price}}{\text{product}}$$



Date Oct 11, 1990 Tortilla Line No. 1

Test Average Values

• Front Half (Filterable)

$$\underline{54.63} \text{ mg PM} \times 0.015432 \text{ gr/mg} = \underline{0.8431} \text{ gr}$$

$$\underline{0.8431} \text{ gr} / \underline{100.005} \text{ dscf sampled} = \underline{0.0084} \text{ gr/dscf}$$

$$\underline{0.0084} \text{ gr/dscf} \times 1 \# / 7000 \text{ gr} \times \underline{1630} \text{ dscf/min} \times 60 \text{ min/hr} = \boxed{\underline{0.1178} \text{ \# PM/hr}}$$

$$\underline{0.1178} \text{ \# PM/hr} \times 1 \text{ hr} / \underline{1412} \text{ \# potato product} \times 2000 \# / \text{ton} = \boxed{\underline{0.1668} \text{ \# PM/ton potato product}}$$

• Back Half (Condensable)

$$\underline{23.83} \text{ mg PM} \times 0.015432 \text{ gr/mg} = \underline{0.3677} \text{ gr}$$

$$\underline{0.3677} \text{ gr} / \underline{100.005} \text{ dscf sampled} = \underline{0.0037} \text{ gr/dscf}$$

$$\underline{0.0037} \text{ gr/dscf} \times 1 \# / 7000 \text{ gr} \times \underline{1630} \text{ dscf/min} \times 60 \text{ min/hr} = \boxed{\underline{0.0574} \text{ \# PM/hr}}$$

$$\underline{0.0574} \text{ \# PM/hr} \times 1 \text{ hr} / \underline{1412} \text{ \# potato product} \times 2000 \# / \text{ton} = \boxed{\underline{0.0728} \text{ \# PM/ton potato product}}$$





DATE Oct 10, 1990 Continuous Fryer

Date Oct 10, 1990 Continuous Fryer

(NOTE: this line has no number designation in the report)

### Test Average Values

- Front Half (Filterable)

$$\underline{32.87} \text{ mg PM} \times 0.015432 \frac{\text{gR}}{\text{mg}} = \underline{0.5072 \text{ gR}}$$

$$\frac{0.5072}{22.105} \text{ } \underline{\text{qr}} / \text{dsct sampled} = \frac{0.0229}{\text{dsct}}$$

$$0.0229 \text{ gr/dscf} \times 1 \# / 7000 \text{ gr} \times 2611 \text{ dscf/min} \times 60 \text{ min/hr} = \boxed{0.5136} \# \text{ PM/hr}$$

$$\frac{0.5136 \text{ \# PM}}{\text{hr}} \times \frac{1 \text{ hr}}{\frac{2666 \text{ \# potato product}}{\text{ton}}} \times \frac{2000 \text{ \#}}{\text{ton}} = \frac{0.3853 \text{ \# PM}}{\text{ton potato product}}$$

- Back Half (Condensable)

$$\underline{31.57 \text{ mg AM}} \times 0.015432 \frac{\text{gr}}{\text{mg}} = \underline{0.4872 \text{ gr}}$$

$$\frac{0.4872 \text{ gr}}{22.105 \text{ dscf sampled}} = \frac{0.0220 \text{ gr}}{\text{dscf}}$$

$$\frac{0.0220 \text{ gr}}{\text{dsrf}} \times \frac{1\#}{7000 \text{ gr}} \times \frac{2611 \text{ dsrf}}{\text{min}} \times \frac{60 \text{ min}}{\text{hr}} = \boxed{0.4932\# \text{ AM/hr}}$$

$$\frac{0.4932 \text{ #PM}}{\cancel{\text{hr}} \times \cancel{\text{hr}}} \times \frac{1 \text{ hr}}{2666 \text{ # potato}} \times \frac{2000 \text{ #}}{\text{ton}} = \frac{0.3700}{\cancel{0.30} \text{ hr}} \frac{\text{#PM}}{\text{ton potato product}}$$

25% of input  
Rate  
AS PER A. DEHART LETTER  
11/8/93

1891  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1891.

1892  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1892.

1893  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1893.

1894  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1894.

1895  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1895.

1896  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1896.

1897  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1897.

1898  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1898.

1899  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1899.

1900  
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1900.