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/

The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

Commonwealth of Pennsylvania
Environmental Resources
August 6, 1992

Subject: Source Test Review

To: Data File
Lindy Paving, Inc.
Asphalt Mixing Plant
East Brook, Lawrence County

From: Richard St. Louis, Chief
Source Testing Unit
Division of Technical Services and Monitoring
Bureau of Air Quality Control

Through: Chief, Source Testing and Monitoring Section

Lindy Paving, Inc. operates a drum mixer to produce asphalt at its plant in East Brook. Particulate emissions from this process are controlled by a baghouse.

On May 13-14, 1992, Hemeon Associates, Inc. conducted testing of particulate emissions (EPA Method 5) and opacity (EPA Method 9), during which 180 tons asphalt/hour was produced (40% of rated capacity). Prior to sampling, a stack test protocol was approved by the Department. Both tests appear to have been conducted in accordance with state regulations, thus the results are acceptable to the Department. Note, however, that the plant was operating at only 40% of the maximum rated capacity of 455 tons/hour, and Condition 10 of Plan Approval, 37-303-013, states that the production rate during the stack tests (180 tons ID-2 wearing mix/hour) will then become the legal operating limit of the plant.

The following results were taken from the report:

Particulate Emissions
(Test Date: 05/13/92 and 05/14/92)

Test No.	Concentration [grains/dscf]	Emission Rate [lbs./hour]
P-1	0.013	3.58
P-2	0.015	4.19
P-3	0.007	1.94
Average	0.012	3.24

The maximum reported opacity was 0%.

The particulate concentration limit for this source is 0.02 grains/dscf and the visual emissions shall not exceed 20% opacity.

cc: 37-303-013
Praful Shah, Meadville Regional Office
A&C
EPA/RSL
Reading File - Source Testing

RS:bam

HEMEON ASSOCIATES INC.

Air Pollution Consulting Engineers
125 Thirty-Ninth Street
Pittsburgh, PA 15201

(412) 683-2100

FAX (412) 683-4188

PARTICULATE AND VISIBLE EMISSION TESTING
LINDY PAVING, INC.
EAST BROOK, PA

Report To:
Frank Colella
Lindy Paving, Inc.
Box 2A
Northgate Industrial Park
New Castle, PA 16105

RECEIVED
JUL 10 2
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF AIR QUALITY CONTROL

Report By:
Christopher J. Michael
Project Manager
Hemeon Associates, Inc.
125 Thirty-ninth Street
Pittsburgh, PA 15201

June 26, 1992

RECEIVED
JUL 7 1992
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF AIR QUALITY CONTROL

8/24

TABLE OF CONTENTS

1.0 Introduction

2.0 Summary of Results

3.0 Test Program and Process Description

APPENDICES

A. Formulas and Calculations

B. Test Methodology

C. Lab Data

D. Fields Data Sheets

E. Process Data

1.0 INTRODUCTION

On May 13 and 14, 1992 particulate and visible emissions testing was conducted on the asphalt plant baghouse at Lindy Paving, Inc.'s plant in East Brook, PA. The test program was authorized by Mr. Frank Colella of Lindy Paving Inc. Testing was performed by Mr. Christopher J. Michael and Ms. Amy M. Farry of Hemeon Associates, Inc. Process Coordination was provided by Lindy Paving Inc.'s personnel. Testing was observed by Mr. Devendra Verma of the Pennsylvania Department of Environmental Resources.

PURPOSE

The purpose of this test program was to determine whether particulate matter and visible emissions from the baghouse exit were in compliance with Pennsylvania DER emission regulations.

2.0 SUMMARY OF RESULTS

TABLE NO. 1
PARTICULATE EMISSION RESULTS

Test Date 1992	Sample Location	Test No.	Particulate Emissions		
			a gr/dscf	b measured lb/hr	b allowable lb/hr
5-13	Baghouse Outlet	P-1	0.013	3.583	14.284
5-13	Baghouse Outlet	P-2	0.015	4.192	14.284
5-14	Baghouse Outlet	P-3	0.007	1.940	14.284
		Average	0.012	3.238	14.284

a - Grains per dry standard cubic feet.
b - Pounds per hour.

According to regulations of the PA DER, the allowable emission rate is based on process feed rate. Based on the test results, the baghouse is in compliance with DER regulations for particulate emissions.

As per verbal agreement with Mr. Praful Shah of the Meadville office of the PA DER, two types of asphalt were made. Each is described in Section 3.0.

TABLE NO. 2
VISIBLE EMISSIONS RESULTS

Date 1992	Sample Location	Test No.	Particulate Emissions		
			Minimum %	Maximum %	Highest 6 Min. Avg.
5-13	Baghouse Outlet	P-1	0	0	0
5-13	Baghouse Outlet	P-2	0	0	0
5-14	Baghouse Outlet	P-3	0	0	0

TABLE NO. 3
STACK GAS FLOW AND PARTICULATE EMISSIONS
****

Test No.	1	2	3
Date	5/13/92	5/13/92	5/14/92
Overall sampling period	10:45 AM 12:15 PM	1:40 PM 3:57 PM	7:05 AM 8:27 AM
Net sampling time, min.	70	70	70
STACK GAS			
Temperature, deg. F	230.7	241.9	249.9
Flow rate:			
Actual lbs/hr	171400	171700	173200
Dry basis lbs/hr	149300	149700	149200
Acfm	52700	53400	55200
Scfm, dry	31302	31400	31300
PARTICULATE MATTER			
Concentration			
Dry Basis:			
Lbs dust per 1000 lb gas	.024	.028	.013
Grains per scf	.013	.015	.007
DUST EMISSION RATE, lbs/hr	3.583	4.192	1.94

TABLE NO. 4
CALCULATION OF ALLOWABLE EMISSION RATE

Allowable Emission Formula

$A = 0.76\ E^{0.42}$ where:

A = Allowable emissions in pounds per hour
E = Emission index = F x W pounds per hour
F = Process factor in pounds per unit, and
W = Production or charging rate in units per hour

Allowable Emission Rate:

$$A = 0.76\ (W \times F)^{0.42}$$

TEST NO. 1

Date: May 13, 1992
Testing Time: 10:45 AM -12:15 PM
Average Production Rate: 180 tons per hr

Allowable Emission Rate: $A = 0.76\ (W \times F)^{0.42}$
$A = 0.76\ (180 \times 6)^{0.42}$
$A = 14.284$ pounds per hour

TEST NO. 2

Date: May 13, 1992
Testing Time: 1:40 PM - 2:57 PM
Average Production Rate: 180 tons per hr

Allowable Emission Rate: $A = 0.76\ (W \times F)^{0.42}$
$A = 0.76\ (180 \times 6)^{0.42}$
$A = 14.284$ pounds per hour

TEST NO. 3

Date: May 14, 1992
Testing Time: 7:05 AM - 8:27 AM
Average Production Rate: 180 tons per hr

Allowable Emission Rate: $A = 0.76\ (W \times F)^{0.42}$
$A = 0.76\ (180 \times 6)^{0.42}$
$A = 14.284$ pounds per hour

3.0 TEST PROGRAM AND PROCESS DESCRIPTION

The plant is a CMI PVM 2500 Drum Mixer with a rated capacity of 455 tons per hour. The exhaust gases are passed through a model APM Model 900 Baghouse. There are 900 bags with a 6 inch diameter and 144 inches in length. The fabric material is Nomex, scrim supported felt. The method of bag cleaning is a jet pulse. 1000 square feet at a time with 100 p.s.i. of air. The pressure drop across the baghouse was normally 4 inches of water.

Two types of mixes were made during the test period. The first two tests were made while ID-2 Wearing SRL-E was being run. This mix consists of 50.5% Natural Sand, 43% #8 Gravel Course Aggregate, and 6.5% Asphalt Cement. These mixes were made at a production rate of 180 tons per hour.

The third test was run while FB-2 Wearing was being mixed. The mix consists of 9.6% Manufactured Sand, 42.9% #8 Gravel, 42.9% #8 Limestone, and 4.6% Asphalt Cement. This mix was also run at a rate of 180 tons per hour.

Sampling was conducted at the baghouse outlet shown in Figure No. 1. A total of 20 sample points were used to traverse the 43" x 57" rectangular exit duct. Four sample ports were located on the 43 inch side. Five points were sampled in each port for 3.5 minutes a point, for a total test time of 70 minutes for all of the tests. With each particulate test, simultaneous visible emissions were recorded by a certified visible emissions reader.

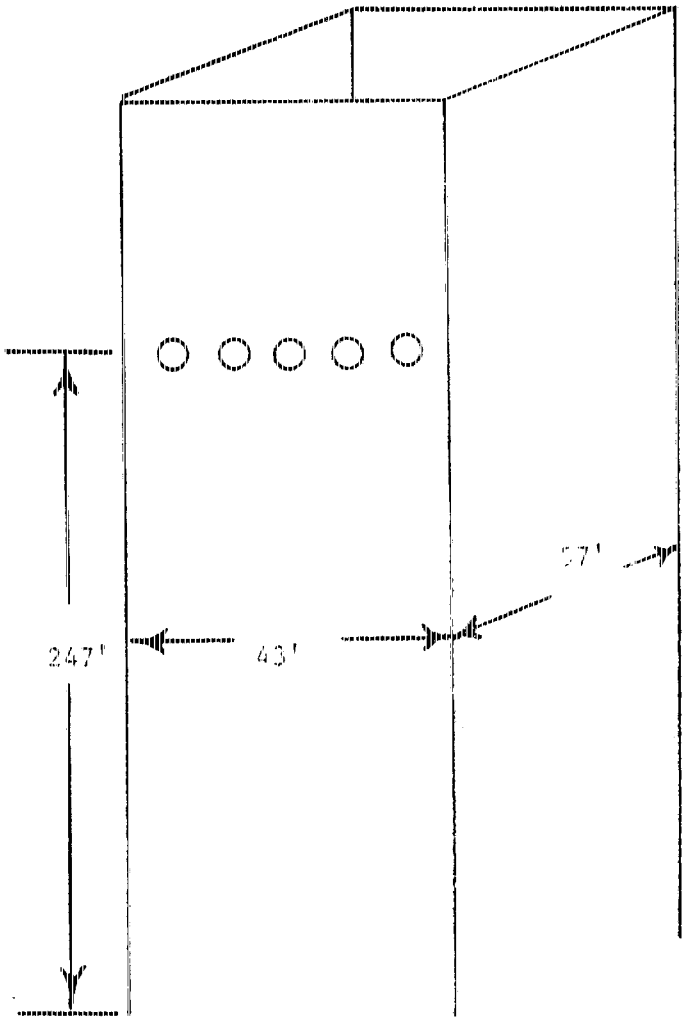
Sampling Procedure

After selecting the sampling site and the minimum number of traverse points, the stack pressure, temperature, moisture and range of velocity head were measured according to the procedures described in the Federal Register.*

Approximately 200 grams of silica gel were weighed in a sealed impinger prior to each test. Glass fiber filters** (4 inch diameter) were desiccated for at least 24 hours and weighed to the nearest 0.1 mg on an analytical balance. One-hundred ml of distilled water was placed in each of the first two impingers; the third impinger was initially empty and the impinger containing the silica gel was placed next in series. The sampling train was leak-checked at the sampling site prior to each test run by plugging the inlet to the nozzle and pulling a 15 inch Hg vacuum, and at the conclusion of the test by plugging the inlet to the nozzle and pulling a vacuum equal to the highest vacuum reached during the test run.

A more detailed description of sampling and analytical procedure is given in Appendix B.

*Federal Register, Part 60, App. A, July 1, 1986
**Glass Fiber Filters, Type 934 AH



SAMPLE POINT NO.	POINT LOCATION
1	7 1/8"
2	21 3/8"
3	35 5/8"
4	49 7/8"

Figure No. 1
Baghouse Outlet
Lindy Paving, Inc.
East Brook, PA

A. FORMULAS AND CALCULATIONS

NOMENCLATURE

A_s = Cross-sectional area of stack, (ft^2).

An = Cross-sectional area of nozzle, (ft^2).

c_s = Concentration of particulate matter in stack gas, dry basis corrected to standard conditions, (g/dscf).

C_p = Pitot tube coefficient.

Dg = Flue gas density (lbs. per scf).

Dgs = Flue gas density at stack conditions (lbs/ft^3).

Er = Emission rate (lbs/hr).

GVw = Gas sample volume weight (lbs).

Hfg = Humidity of flue gas (lbs of H_2O/lb. dry gas).

I = Percent of isokinetic sampling (%).

m_m = Total amount of particulate matter collected, g.

P_{bar} = Barometric pressure at the sampling site, (in. Hg).

P_a = Absolute stack gas pressure, (in. Hg).

P_{std} = Standard absolute pressure, (29.92 in. Hg).

Ps = Static pressure of stack.

Sf = Stack volumetric flow (ACFM).

Swf = Stack weight flow at stack conditions (lbs./hr).

Swfd = Stack weight flow dry basis (lbs./hr).

T_m = Absolute average dry gas meter temperature (^oR).

T_s = Absolute average stack gas temperature (^oR).

$_{std}$ = Standard absolute temperature, (528^oR).

V_m = Volume of gas sample as measured by dry gas meter, (dcf).

$V_{m(std)}$ Volume of gas sample measured by the dry gas meter, corrected to standard conditions, (dscf).

Wfg = Water in flue gas sample (lbs. of H_2O).

Wp = Weight of particulate (10^{-3} lbs.).

Wp/g = Pounds of particulate per 1000 lbs. of gas (lbs. particulate/1000 lbs. gas).

Y = Dry gas meter calibration factor.

ΔH = Average pressure differential across the orifice meter (in. H_2O).

Θ = Total sampling time, min.

Hemeon Associates, Inc.

Example Calculations for Particulate Emissions

Test No.

1. Volume of dry gas sampled corrected to standard conditions. Note: V_m must be corrected for leakage if any leakage rates exceed L_a.

$$V_{m_{std}} = 17.65 \times V_m \times Y \left[\frac{P_{bar} + \frac{\Delta H}{13.6}}{Tm} \right] =$$

2. Weight of water in flue gas sample (lbs.).

$$Wfg = \left(\frac{\text{ml condensate} + \text{grams desic. gain}}{453.6} \right) =$$

3. Water vapor concentration (%).

$$Wvc = \left(\frac{21.5 \times Wfg \times 100}{21.5 \times Wfg + Vmstd} \right) =$$

4. Dry molecular weight of stack gas.

$$M_d = 0.44\ (\%\ CO_2) + 0.32\ (\%\ O_2) + 0.28\ (\%\ N_2 + \%\ CO) =$$

5. Stack gas density (lbs./dscf).

$$Dg = \left(\frac{Md}{29} \right) \times .0753 =$$

6. Stack gas density at stack conditions (lbs./ft.^{3}).

$$Dgs = .0753 \times \left(\frac{Md}{29} \right) \times \frac{Pb + \frac{Ps}{13.6}}{29.92\ \text{in.Hg}} \times \left(\frac{528}{Ts^{\circ}R} \right)$$

7. Molecular weight of stack gas.

$$M_s = M_d\ (1 - Wvc) + 18\ Wvc =$$

8. Stack velocity at stack conditions, fps.

$$V_s = 85.49\ Cp \sqrt{\Delta p}\ \text{avg.} \sqrt{\frac{Ts}{P_s\ M_s}} =$$

9. Actual volumetric flow rate (ACFM).

$$Sf = \frac{1096.7 \times Cp \times \sqrt{\Delta P(RMS)} \times As}{\sqrt{Dgs}} =$$

10. Stack weight flow at stack conditions (lbs./hr.).

$$Swf = Sf \times Dgs \times 60 =$$

11. Gas sample weight (lbs.).

$$Gsw = Vmstd \times Dg =$$

12. Humidity of flue gas (lbs. of H_2O/lbs. dry gas).

$$Hfg = \left(\frac{Wfg}{Gsw}\right) =$$

13. Stack weight flow on dry basis (lbs./hr).

$$Swfd = \left(\frac{SWf}{1 + Hfg}\right)$$

14. Stack volumetric flow at standard conditions (SCFM).

$$Sfs = \left(\frac{SWfd}{60 \times Dg}\right) =$$

15. Isokinetic sampling rate (%).

$$I = \left(\frac{Vmstd \times As \times 100}{Sfs \times An \times 0}\right) =$$

16. Weight of particulate (10^{-3} lbs.).

$$Wp = (M_m \text{ wt. grams}) \times 2.2046 =$$

17. Pounds of particulate per 1000 lbs. of gas (lbs. part./1000 lbs. gas).

$$(Wp/g) = \left(\frac{Wp}{GVw}\right) =$$

18. Concentration of particulate in stack, dry basis corrected to standard conditions (g/dscf).

$$Cs = \left(\frac{7}{Vm\ std}\right) x\ Wp =$$

19. Particulate emission rate (lbs./hr.)

$$Er = Swfd\ x\ \left(Wp/g\right)\ x\ 10^{-3} =$$

Hemeon Associates, Inc.

SUMMARY OF FLUE GAS PARAMETERS
****

LINDYFLO

TEST NO.	1	2	3
TEST DATA			
Test Date	5/13/92	5/13/92	5/14/92
Static Pressure,in.WC	-.45	-.45	-.45
Pitot Readings, rms	.613	.623	.649
Gas Temp., deg.F	230.7	241.9	249.9
Flowmeter Average,in.WC	3.45	3.44	3.55
Gasmeter Avg. Temp., deg.F	108.6	116	111
Sampling Time, min.	70	70	70
Sample Volume, acf	53.187	53.618	52.556
Barometric Pressure, in.Hg	29.05	29.15	29
Condensate, ml	241	238	257
Desiccant Gain, g	16.2	17.3	17.3
GAS COMPOSITION			
CO2, mole fraction	.035	.035	.035
O2, mole fraction	.208	.208	.208
N2, mole fraction	.805	.805	.805
AREAS			
Stack Area, sq.ft.	17.02	17.02	17.02
Nozzle Diameter, in.	.25	.25	.25
Nozzle Area sq.ft.	.000341	.000341	.000341
CALCULATED RESULTS			
Gas, Dry mol. wt.	30.74	30.74	30.74
Gas Dens.,lb/cu ft	.0795	.0795	.0795
Sample vol., dry scf	48.2	48.1	47.3
Gas samp., dry lbs	3.83	3.83	3.76
Water in Samp.,lbs	.567	.563	.605
Water Cont. lbs/lb	.148	.147	.161
Water, volume %	20.2	20.1	21.6
Water, weight %	12.9	12.8	13.9
Gas Mol. Wt., Actual	28.17	28.18	27.99
Gas Dens. in stack	.0542	.0536	.0523
Stack Gas, acfm	52700	53400	55200
Stack Gas, lbs/hr	171400	171700	173200
Stack Gas, lbs/hr dry	149300	149700	149200
Stack Gas, scfm,dry	31300	31400	31300
Percent Isokinetic	109.8	109.2	107.8

B. TEST METHODOLOGY

DETERMINATION OF PARTICULATE EMISSIONS
EPA METHOD 5

The following method was used in this test program. Sampling procedures follow those described in Method 5 of the Federal Register*.

SAMPLING APPARATUS

The particulate sampling train used in these tests at the exit stack met certain design specifications established by the Federal EPA and was assembled by Hemeon personnel. It consisted of:

Nozzle - Stainless steel (316) with sharp, tapered leading edge and accurately measured round opening.

Probe - Glass lined with a heating system capable of maintaining a minimum gas temperature of 250°F at the exit end during sampling.

Pitot Tube - Type S pitot tube that met all geometry standards was used to monitor stack gas velocity.

Filter Holder - Pyrex glass with heating system capable of maintaining a filter temperature of approximately 250°F.

Draft Gauge - An inclined manometer made by Dwyer with a readability of 0.01 inches H2O in the 0-1 inch range was used.

Impingers - Four impingers connected in series with glass ball joints. The first, third and fourth impingers are of the Greensburg-Smith design, modified by replacing the tip with a 1/2 inch I.D. glass tube extending to 1/2 inch from the bottom of the flask.

Metering System - Vacuum gauge, leak-free pump, thermometers capable of measuring temperature to within 5°F, calibrated dry gas meter, and related equipment, to maintain an isokinetic sampling rate and to determine sample volume. The dry gas meter is made by Rockwell and the fiber vane pump is made by Gast.

Barometer - Aneroid type to measure atmospheric pressures to ±0.1 inch Hg.

*Federal Register, CFR 40, Part 60, July 1, 1987
**DER Source Testing Manual, January 1983

SAMPLING PROCEDURE

After selecting the sampling site and the minimum number of traverse points, the stack pressure, temperature, moisture and range of velocity head was measured according to the procedures described in the Federal Register.*

Approximately 200 grams of silica gel were weighed in a sealed impinger prior to each test. Glass Fiber Filters** (4 inch diameter) were desiccated for at least 24 hours, dried at 105°C, and weighed to the nearest 0.1 mg on an analytical balance. One-hundred ml of distilled water was placed in each of the first two impingers; the third impinger was initially empty; and the impinger containing the silica gel was placed next in series. The train was set up with the probe as shown in Figure 1. The sampling train was leak-checked at the sampling site prior to each test run by plugging the inlet to the nozzle and pulling a 15 inch Hg vacuum, and at the conclusion of the test by plugging the inlet to the nozzle and pulling a vacuum equal to the highest vacuum reached during the test run.

The pitot tube and lines were leak-checked at the test site prior to and following the initial velocity traverse. The check was made by blowing into the impact opening of the pitot tube until 3 or more inches of water was recorded on the manometer and then capping the impact opening and holding it for 15 seconds to assure it was leak free. The static pressure side of the pitot tube was leak-checked using the same procedure, except suction was used to obtain the 3 inch H_2O manometer reading. Crushed ice was placed around the impingers to keep the temperature of the gases leaving the last impinger at 68°F or less.

During sampling, stack gas and sampling train data were recorded at each sampling point and when significant changes in stack flow conditions occurred. Isokinetic sampling rates were set throughout the sampling period with the aid of isokinetic sampling equations. All sampling data was recorded on the Field Data Sheet.

*Federal Register, CFR 40, Part 60, July 1, 1986
**Glass Fiber Filters, 934 AH Type

SAMPLE RECOVERY PROCEDURE

The sampling train was moved carefully from the test site to the cleanup area. Samples of the acetone and distilled water used in the sample recovery were taken for use as blanks. The volume of water from the first three impingers were measured. Sample fractions were recovered as follows:

Container No. 1 - The filter was removed from its holder and placed in a petri dish and sealed.

Container No. 2 - Loose particulate and water washings from all sample-exposed surfaces prior to the filter were placed in a sample container, sealed and labeled. Particulate was removed from the probe with the aid of a brush and acetone rinsing. The liquid level was marked after the container was sealed.

Container No. 3 - Loose particulate and acetone washings from all sample-exposed surfaces prior to the filter were placed in a sample container, sealed and labeled. Particulate was removed from the probe with the aid of a brush and acetone rinsing. The liquid level was marked after the container was sealed.

Container No. 4 - A minimum of 200 ml of acetone was taken for the blank analysis. The blank was obtained and treated in a similar manner as the acetone washing.

Container No. 5 - Distilled water in the impinger section of the sampling train was placed in a sample container. The impingers and connecting glassware were rinsed with distilled H20 and this rinse added to the container for shipment to the laboratory.

Container No. 6 - Acetone washings from all sample-exposed surfaces in the impingers were placed in a sample container, labeled and sealed. The liquid level was marked after the container was sealed.

Container No. 7 - A minimum of 200 ml of distilled water was taken for the blank analysis. The blank was obtained and treated in a similar manner as the water rinse.

The silica gel from the fourth impinger was weighed and the gain recorded on the Field Data Sheet with other pertinent data.

ANALYTICAL PROCEDURES

The following procedures were used and follow the methods prescribed by the Federal Register.*

Container No. 1 - The filter and any loose particulate matter from this sample container were placed into a tared glass weighing dish, desiccated for 24 hours to a constant weight and weighed to the nearest 0.1 mg.

Container No. 2 - The distilled water washings were transferred to a tared beaker and evaporated to dryness at ambient temperature and pressure, desiccated for 24 hours to a constant weight and weighed to the nearest 0.1 mg.

Container No. 3 - The acetone washings were transferred to a tared beaker and evaporated to dryness at ambient temperature and pressure, desiccated for 24 hours to a constant weight and weighed to the nearest 0.1 mg.

Container No. 4 - The acetone blank was transferred to a tared beaker and evaporated to dryness at ambient temperature and pressure. The blank was desiccated for 24 hours to a constant weight and weighed to the nearest 0.1 mg.

Container No. 5 - The contents of this container were filtered through tared (0.8u - 0.22u) filters to remove insoluble particulate. The filters and filtrates in tared beakers were then evaporated to dryness at ambient temperature and pressure, desiccated to a constant weight and weighed on an analytical balance to the nearest 0.1 mg.

Container No. 6 - The distilled water blank was transferred to a tared beaker and evaporated to dryness at 105°C. The blank was desiccated to a constant weight and weighed on an analytical balance to the nearest 0.1 mg.

Container No. 7 - Same as Container No. 3.

The term "constant weight' means a difference of no more than 0.5 mg or 1% of total weight less tare weight, whichever is greater between two consecutive readings, with no less than 6 hours of desiccation between weighings.

*Federal Register, CFR 40, Part 60, July 1, 1986

Hemeon Associates, Inc. report of 6-26-92
to Lindy Paving, Inc., East Brook, PA

C. LAB DATA

AIR QUALITY SERVICES, INC.

4527 Clairton Boulevard
Pittsburgh, PA 15236
(412) 881-5630

JUN 4 1992

TABLE I
TOTAL SOLIDS ANALYSIS
HEMEON ASSOCIATES
125 THIRTY NINTH STREET
PITTSBURGH, PA 15201
PURCHASE ORDER #14292 LINDY PAVING
SAMPLES RECEIVED: MAY 20, 1992

HEMEON SAMPLE NUMBER	AQS LABORATORY NUMBER	SAMPLE TYPE	SAMPLE VOLUME MILLILITER	TOTAL SOLIDS MILLIGRAMS
8907	61561	WATER	46	14.3
8908	61562	WATER	85	8.8
8909	61563	WATER	70	4.0

THE SAMPLES WERE WEIGHED ON A BALANCE CALIBRATED WITH WEIGHTS TRACEABLE TO THE NATIONAL BUREAU OF STANDARDS.

AIR QUALITY SERVICES, INC.

JOB 3413

AIR QUALITY SERVICES, INC.

4527 Clairton Boulevard
Pittsburgh, PA 15236
(412) 881-5630

JUN 4 1992

TABLE II
TOTAL SOLIDS ANALYSIS
HEMEON ASSOCIATES
125 THIRTY NINTH STREET
PITTSBURGH, PA 15201
PURCHASE ORDER #14292 LINDY PAVING
SAMPLES RECEIVED: MAY 20, 1992

HEMEON SAMPLE NUMBER	AQS LABORATORY NUMBER	SAMPLE TYPE	SAMPLE VOLUME MILLILITER	TOTAL SOLIDS MILLIGRAMS
8910	61564	ACETONE	40	10.6
8911	61565	ACETONE	58	4.7
8912	61566	ACETONE	65	2.3
8913	61567	ACETONE	72	1.8
8914	61568	ACETONE	96	5.7
8915	61569	ACETONE	49	3.5

THE SAMPLES WERE WEIGHED ON A BALANCE CALIBRATED WITH WEIGHTS TRACEABLE TO THE NATIONAL BUREAU OF STANDARDS.

AIR QUALITY SERVICES, INC.

JOB 3413

AIR QUALITY SERVICES, INC.

4527 Clairton Boulevard
Pittsburgh, PA 15236
(412) 881-5630

JUN 4 1992

TABLE III
ANALYSIS OF SAMPLES FOR SOLUBLE-INSOLUBLE SOLIDS
TOTAL SOLIDS ANALYSIS
HEMEON ASSOCIATES
125 THIRTY NINTH STREET
PITTSBURGH, PA 15201
PURCHASE ORDER #14292 LINDY PAVING
SAMPLES RECEIVED: MAY 20, 1992

HEMEON SAMPLE NUMBER	AQS LABORATORY NUMBER	SAMPLE VOLUME MILLILITERS	INSOLUBLE SOLIDS MILLIGRAMS	SOLUBLE SOLIDS MILLIGRAMS
8916	61570	935	5.91	61.6
8917	61572	730	20.75	49.0
8918	61574	585	6.44	13.8

THE FILTERS WERE WEIGHED ON A MICRO BALANCE CALIBRATED WITH WEIGHTS TRACEABLE TO THE NATIONAL BUREAU OF STANDARDS.

AIR QUALITY SERVICES, INC.

JOB 3413

Hemeon Associates, Inc.

SAMPLE WEIGHTS AND DUST CONCENTRATION

Test No.	1	2	3
Test Date	5/13/92	5/13/92	5/14/92
Filter No.	150027	150028	150029
Probe Rinse, Acetone, mg	10.6	4.7	2.3
Probe Rinse, Water, mg	14.3	8.8	4
Impinger Insoluble, mg	5.91	20.75	6.44
*Impinger Soluble, mg	61.6	49	13.8
Impinger Rinse, Acetone, mg	1.8	5.7	3.5
Filter Tare, mg	430.9	444.2	442.6
Filter + Sample, mg	439.5	452.4	447.8
Filterable sample, mg	8.6	8.2	5.2
Total Filterable Catch, mg	41.21	48.15	21.44
Sample Gas Volume scf	48.2	48.1	47.3
Sample Gas Weight, lbs	3.83	3.83	3.76
PM Conc., #/1000 #gas	.024	.028	.013
PM Conc., gr/dry scf	.013	.015	.007

* - Data not used in calculations.

PITOT TUBE CALIBRATION DATA

Calibration pitot tube: type S-2 size (OD) .375 ID number 4" Dayton

Type S pitot tube ID number 2 $C_{p(std)}$ = 1.00

Calibration: date 18 Sept 1989 performed by [illegible]

A - Side Calibration

Δp_{std} cm H_2O (in. H_2O)	Δp_s cm H_2O (in. H_2O)	a $C_{p(S)}$	b DEV.
0.10	0.142	0.839	0.001
0.30	0.425	0.840	0
0.60	0.853	0.839	0.001
	Average	0.839	0.0007

B - Side Calibration

Δp_{std} cm H_2O (in. H_2O)	Δp_s cm H_2O (in. H_2O)	$C_{p(S)}$	DEV.
0.10	0.143	0.836	0.004
0.30	0.425	0.840	0
0.60	0.851	0.840	0
	Average	0.839	0.001

[a] $C_{p(S)} = C_{p(std)} \sqrt{\frac{\Delta p_{std}}{\Delta p_s}}$ = 0.84

[b] $DEV = C_{p(S)} - \bar{C}_p$, (must be ≤ 0.01)

$\bar{C}_p(A) - \bar{C}_p(B)$ = 0 (must be ≤ 0.01)

Hanson Associates, Inc.
125 Thirty-Ninth Street
Pittsburgh, PA 15201

DRY GAS METER CALIBRATION DATA FORM

Test numbers P-1,2,3 Date May 20.92 Meter box number JC-2 Plant Lindy Paving, Inc

Barometric pressure, P_b = 29.50 in. Hg Dry gas meter number 1001991 Pretest Y

Orifice manometer setting, (ΔH), in. H_2O	Gas volume: Wet test meter (V_w), ft^3	Gas volume: Dry gas meter (V_d), ft^3	Temperature: Wet test meter (t_w), °F	Temperature: Dry gas meter: Inlet (t_{d_i}), °F	Temperature: Dry gas meter: Outlet (t_{d_o}), °F	Temperature: Dry gas meter: Average (t_d),[a] °F	Time (θ), min	Vacuum setting, in. Hg	Y_i	$Y_i = \frac{V_w P_b (t_d + 460)}{V_d \left(P_b + \frac{\Delta H}{13.6}\right) t_w + 460}$
2.0	10.022	9.876	77 / 537	77 / 82	74 / 73	76.5 / 536.5	15.871	3.1	1.009	
2.0	10.020	9.865	77 / 537	73 / 77	73 / 73	74 / 534	15.483	3.1	1.005	
	10.018	9.852	77 / 537	76 / 81	73 / 73	75.75 / 535.75	15.615	3.1	1.009	
									Y = 1.008	

[a] If there is only one thermometer on the dry gas meter, record the temperature under t_d.

V_w = Gas volume passing through the wet test meter, ft^3.

V_d = Gas volume passing through the dry gas meter, ft^3.

t_w = Temperature of the gas in the wet test meter, °F.

t_{d_i} = Temperature of the inlet gas of the dry gas meter, °F.

t_{d_o} = Temperature of the outlet gas of the dry gas meter, °F.

t_d = Average temperature of the gas in the dry gas meter, obtained by the average of t_{d_i} and t_{d_o}, °F.

ΔH = Pressure differential across orifice, in H_2O.

Y_i = Ratio of accuracy of wet test meter to dry gas meter for each run.

Y = Average ratio of accuracy of wet test meter to dry gas meter for all three runs; tolerance = pretest Y ±0.05Y

P_b = Barometric pressure, in. Hg.

θ = Time of calibration run, min.

	V_d - ft^3	
Run 1:	ft. 117.398	in. 107.522
Run 2:	127.269	117.398
Run 3:	137.115	127.263

Hemeon Associates, Inc.
125 Thirty-Ninth Street
Pittsburgh, PA 15201

D. FIELD DATA SHEETS

HEMEON ASSOCIATES, INC.
PARTICULATE FIELD DATA SHEET

Plant Lindy Paving City East Brook Operator C. Michael

Location Baghouse Outlet Test No. P-1 Date 5-13-92

Stack Dimension 43"x 57" Desiccant No. D-403 Filter No. 100027

Pitot Coefficient .84 Pitot No. 2 Meterbox No. JC-2

Meterbox (Cal. Y) 1.008 Nozzle Diameter 1/4" Nozzle I.D. .250

Trav. Point No.	Velocity Head (ΔP) H2O	Gas Temp. °F	Orifice Uncorr. Inches (H2O)	ΔH Corr. for Moist. Inches (H2O)	Clock Time	Sample Time Mins.	Vacuum "HG	Meter Read Cu.Ft	Meter Temperature Degrees F In	Meter Temperature Degrees F Out	Temperatures Degrees F Probe 230 275	Temperatures Degrees F Filter Box 230 275	Last Impinger 68 degrees or less
Init.	xxxxxx	xxxxx	Factor	(.76)	10:45	0	xxxx	150 885	xxxxx	xxxxx	xxxxx	xxxxxx	xxxxxxxx
A-1	.52	206		3.0		3.5	5.0	153 905	100	104	250	247	
2	.63	216		3.6	10:52	7	5.0	565 403	100	109	251	249	<68
3	.65	220		3.7		10.5	5.0	567 302	100	109	243	248	
4	.60	221		3.4	10:59 Stop	14	5.0	161 051	100	110	244	247	<68
B-1	.62	217		3.6	11:08	17.5	4.0	162 185	100	108	243	247	
2	.64	220		3.6	11:10	21	5.0	166 225	104	113	244	249	<68
3	.64	220		3.6		24.5	5.0	168 871	104	115	243	251	
4	.63	221		3.6	11:17 Stop	28	5.0	171 567	110	118	247	241	<68
C-1	.63	221		3.6	11:25	31.5	5.0	172 325	110	116	247	243	
2	.63	224		3.6		35	5.0	176 911	110	124	243	249	<68
3	.65	231		3.6		38.5	5.0	179 555	113	121	247	251	
4	.64	233		3.6	Stop	42	5.0	182 320	113	121	248	251	<68
Summary	.613 RMS	230.7		3.45		70	1.008x	52 765	53 187	108.6			

Ambient Temp. _____ F

Bar. Pres. 29.05 "Hg

Stat. Pres. -.45 "WC

IMPINGER WATER
Final 441 ml
Init. 206 ml
Cond. 241 ml

DESICCANT
Final 421.6 gms
Init. 405.4 gms
Gain 16.2 gms

ORSAT ANALYSES
Time - Ave
CO2 - 3.5
O2 - 16.0 CO - _____

Final Leak Rate 0.002 cfm 7 inches Hg

Notes: Top Mix

HEMEON ASSOCIATES, INC.
PARTICULATE FIELD DATA SHEET

Plant Lindy Paving City East Brook Operator C. Michael

Location Baghouse Test No. D-1 Date 5-13-92

Stack Dimension 43" X 57" Desiccant No. D-403 Filter No. 100027

Pitot Coefficient .84 Pitot No. 2 Meterbox No. JC-2

Meterbox (Cal. Y) 1.008 Nozzle Diameter 5/16 Nozzle I.D. .299

Trav. Point No.	Velocity Head (ΔP) H2O	Gas Temp. °F	Orifice Uncorr. Inches (H2O)	ΔH Corr. for Moist. Inches (H2O)	Clock Time	Sample Time Mins.	Vacuum "HG	Meter Read Cu.Ft	Meter Temperature Degrees F In	Meter Temperature Degrees F Out	Temperatures Degrees F Probe 230 275	Temperatures Degrees F Filter Box 230 275	Temperatures Degrees F Last Impinger 68 degree or less
Init.	xxxxxx	xxxxx	Factor	(.80)	11:44	42	xxxx	182 320	xxxxx	xxxxx	xxxxx	xxxxxx	xxxxxxxx
D-1	.45	237		2.5		45.5	5.0	184 295	104	118	243	247	
2	.47	241		2.6	11:51	49	5.0	187 245	104	121	243	249	<68
3	.66	245		3.6		52.5	5.0	189 920	102	121	249	247	
4	.63	247		3.5	11:58 / 5:00	56	2.5	192 758	100	118	249	249	<68
E-1	.63	249		3.4	12:01	59.5	2.5	195 475	94	110	243	247	
2	.66	249		3.6	12:08	63	5.0	198 211	100	112	244	248	<68
3	.66	249		3.6		66.5	5.0	200 741	96	110	247	248	
4	.65	247		3.6	12:15 / 5:00	70	5.0	203 650	92	110	243	249	<68

HEMEON ASSOCIATES, INC.
PARTICULATE FIELD DATA SHEET

Plant Lindy Paving City East Brook Operator C. Michael

Location Baghouse Test No. P-2 Date 5-13-92

Stack Dimension 43" x 57 Desiccant No. D-402 Filter No. 100028

Pitot Coefficient .84 Pitot No. 2 Meterbox No. JC-2

Meterbox (Cal. Y) 1.008 Nozzle Diameter 1/4" Nozzle I.D. .250

Trav. Point No.	Velocity Head (ΔP) H2O	Gas Temp. °F	Orifice Uncorr. Inches (H2O)	ΔH Corr. for Moist. Inches (H2O)	Clock Time	Sample Time Mins.	Vacuum "HG	Meter Read Cu.Ft	Meter Temperature Degrees F In	Meter Temperature Degrees F Out	Temperatures Degrees F Probe 230 275	Temperatures Degrees F Filter Box 230 275	Last Impinger 68 degrees or less
Init.	xxxxxx	xxxxx	Factor	(.76)	1:40	0	xxxx	203 700	xxxxx	xxxxx	xxxxx	xxxxxx	xxxxxxxx
A-1	.57	239		3.2		3.5	5.0	206 555	114	124	243	249	
2	.64	243		3.5	1:47	7	5.0	209 375	114	125	244	250	<68
3	.66	244		3.6		10.5	5.0	212 375	114	127	245	252	
4	.67	245		3.7	1:54 / stop	14	6.0	214 775	113	127	247	253	<68
B-1	.65	243		3.6	1:57	17.5	5.0	217 510	113	123	243	257	
2	.66	244		3.6	2:04	21	5.0	220 115	113	124	243	256	<68
3	.66	244		3.6		24.5	5.0	222 888	109	123	244	255	
4	.65	244		3.6	2:11 / stop	28	5.0	223 577	109	122	243	255	<68
C-1	.66	244		3.6	2:13	31.5	5.0	228 873	109	119	244	256	
2	.63	244		3.5	2:20	35	5.0	230 880	112	122	244	257	<68
3	.62	245		3.4		38.5	5.0	233 210	112	121	244	250	
4	.63	245		3.5	2:27 / stop	42	5.0	236 173	108	121	243	249	<68
Summary	.623 RMS	241.9		3.44		70	1.006x	53 192 =	53 618	116.0			

Ambient Temp. _____ F

Bar. Pres. 29.15 "Hg

Stat. Pres. -.45 "WC

IMPINGER WATER
Final 438 ml
Init. 200 ml
Cond. 238 ml

DESICCANT
Final 424.0 gms
Init. 406.7 gms
Gain 17.3 gms

ORSAT ANALYSES
Time - Ave
CO2 - 3.5
O2 - 16.0 CO - _____

Final Leak Rate 0.00 cfm 20 inches Hg

Notes: Top Mix

HEMEON ASSOCIATES, INC.
PARTICULATE FIELD DATA SHEET

Plant Lindy Paving City East Brook Operator C. Nichol

Location Baghouse Test No. P-2 Date 5-13-92

Stack Dimension 43"x57" Desiccant No. D402 Filter No. 100028

Pitot Coefficient .84 Pitot No. 2 Meterbox No. JC-2

Meterbox (Cal. Y) 1.808 Nozzle Diameter 1/4" Nozzle I.D. .250

Trav. Point No.	Velocity Head (ΔP) H2O	Gas Temp. o F	Orifice Uncorr. Inches (H2O)	ΔH Corr. for Moist. Inches (H2O)	Clock Time	Sample Time Mins.	Vacuum "HG	Meter Read Cu.Ft	Meter Temperature Degrees F In	Meter Temperature Degrees F Out	Temperatures Degrees F Probe 230 275	Temperatures Degrees F Filter Box	Last Impinger 68 degrees or less
Init.	xxxxxx	xxxxx	Factor				xxxx	236 173	xxxxx	xxxxx	xxxxx	xxxxxx	xxxxxxxx
				3.76	2:27	42							
D-1	.60	241		3.3		45.5	5.0	238 250	109	119	244	264	
2	.62	240		3.4	2:39	49	5.0	241 365	109	119	243	264	<68
3	.58	238		3.2		52.5	5.0	244 477	109	119	243	265	
4	.57	238		3.2	2:41 stop	56	5.0	246 585	109	119	239	258	<68
E-1	.62	240		3.4	2:43	58.5	5.0	247 695	109	118	243	257	
2	.60	241		3.3	2:50	63	5.0	251 798	110	120	244	255	<68
3	.59	238		3.3		65.5	5.0	254 894	109	119	247	253	
4	.59	238		3.3	2:57 stop	70	5.0	258 992	109	119	248	254	<68

HEMEON ASSOCIATES, INC.
PARTICULATE FIELD DATA SHEET

Plant: Lindy Paving City: East Brook Operator: C Mickel

Location: Baghouse Test No.: P-3 Date: 5-14-92

Stack Dimension: 43" x 57" Desiccant No.: D 404 Filter No.: 100028

Pitot Coefficient: .84 Pitot No.: 2 Meterbox No.: JC-2

Meterbox (Cal. Y): 1.008 Nozzle Diameter: 1/4" Nozzle I.D.: .250

Trav. Point No.	Velocity Head (ΔP) H20	Gas Temp. o F	Orifice Uncorr. Inches (H20)	ΔH Corr. for Moist. Inches (H20)	Clock Time	Sample Time Mins.	Vacuum "HG	Meter Read Cu.Ft	Meter Temperature Degrees F In	Meter Temperature Degrees F Out	Temperatures Degrees F Probe 230 275	Temperatures Degrees F Filter Box 230 275	Last Impinger 68 degrees or less
Init.	xxxxxx	xxxxx	Factor	(.76)	7:05	0	xxxx	225 / 915	xxxxx	xxxxx	xxxxx	xxxxxx	xxxxxxxx
A-1	.57	249		3.1		3.5	5.5	270 / 355	102	108	243	247	
2	.62	251		3.4	7:12	7	5.5	272 / 450	102	110	244	248	<68
3	.64	255		3.5		10.5	5.5	275 / 643	102	110	244	249	
4	.64	254		3.5	7:19 / stop	14	5.5	277 / 828	102	110	243	248	<68
B-1	.63	254		3.4	7:22	17.5	5.5	280 / 915	104	111	244	248	
2	.64	251		3.5	7:29	22	5.5	283 / 1115	105	113	244	249	<68
3	.63	251		3.4		25.5	5.5	286 / 1315	107	115	244	250	
4	.63	250		3.4	7:36 / stop	28	5.5	288 / 1372	107	116	243	252	<68
C-1	.66	250		3.6	7:38	31.5	5.5	290 / 1550	107	116	244	251	
2	.64	249		3.5	7:45	35	5.5	293 / 1750	107	117	248	250	<68
3	.66	249		3.6		38.5	5.5	295 / 1950	109	117	249	251	
4	.67	249		3.7	7:52	42	5.5	298 / 2112	108	118	249	252	<68
Summary	.649 RMS	249.9		3.55		70	1.008x	52 / 1357	52 SIG	1160			

Ambient Temp. ____ F

Bar. Pres. 29.00 "Hg

Stat. Pres. -.45 "WC

IMPINGER WATER
Final 457 ml
Init. 200 ml
Cond. 257 ml

DESICCANT
Final 426.0 gms
Init. 408.7 gms
Gain 17.3 gms

ORSAT ANALYSES
Time - Ave
CO2 - 3.5
O2 - 16.0 CO -

Final Leak Rate 0.00 cfm 6.0 inches Hg

Notes: Binder Mix

HEMEON ASSOCIATES, INC.
PARTICULATE FIELD DATA SHEET

Plant: Lindy Paving City: East Brook Operator: C. Michael

Location: Baghouse Test No.: P-3 Date: 5-14-92

Stack Dimension: 43" x 57" Desiccant No.: D-404 Filter No.: 10029

Pitot Coefficient: .84 Pitot No.: 2 Meterbox No.: JC-2

Meterbox (Cal. Y): 1.008 Nozzle Diameter: 1/4" Nozzle I.D.: .250

Trav. Point No.	Velocity Head (ΔP) H2O	Gas Temp. o F	Orifice Uncorr. Inches (H2O)	ΔH Corr. for Moist. Inches (H2O)	Clock Time	Sample Time Mins.	Vacuum "HG	Meter Read Cu.Ft	Meter Temperature Degrees F In	Meter Temperature Degrees F Out	Temperatures Degrees F Probe 230 275	Temperatures Degrees F Filter Box	Temperatures Degrees F Last Impinger 68 degrees or less
Init.	xxxxxx	xxxxx	Factor		7:57	42	xxxx	298 412	xxxxx	xxxxx	xxxxx	xxxxxx	xxxxxxxx
0-1	.66	248		3.6		45.5	5.0	301 040	107	117	247	249	
2	.68	249		3.7	8:04	49	5.5	303 724	107	120	248	247	<68
3	.67	248		3.7		52.5	5.5	305 400	109	122	247	247	
4	.68	249		3.7	8:14 / 5DP	56	5.5	309 109	108	122	248	244	<68
E-1	.68	249		3.7	8:17	58.5	5.5	311 725	109	117	249	247	
2	.67	248		3.7	8:20	63	5.5	314 300	109	119	249	245	<68
3	.66	247		3.6		66.5	5.5	316 966	108	120	243	247	
4	.66	247		3.6	8:27 / 5DP	70	5.5	319 659	110	120	243	249	<68

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME: Lindy Paving Co.

ADDRESS: Rd. #3 Box 2-A

Southgate Industrial Park

CITY: East Brook | STATE: PA | ZIP: 16105

PHONE: 652-9330 | SOURCE ID NUMBER: Run 1

PROCESS EQUIPMENT: Asphalt - Top Mix | OPERATING MODE:

CONTROL EQUIPMENT: Baghouse | OPERATING MODE:

DESCRIBE EMISSION POINT:

HEIGHT ABOVE GROUND LEVEL: 20 ft. | HEIGHT RELATIVE TO OBSERVER:

DISTANCE FROM OBSERVER: 30 ft. | DIRECTION FROM OBSERVER: West

DESCRIBE EMISSIONS:

EMISSION COLOR: White | PLUME TYPE: CONTINUOUS ☒ FUGITIVE ☐ INTERMITTENT ☐

WATER DROPLETS PRESENT: NO ☒ YES ☐ | IS WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐

AT WHAT POINT IN THE PLUME WAS OPACITY DETERMINED:

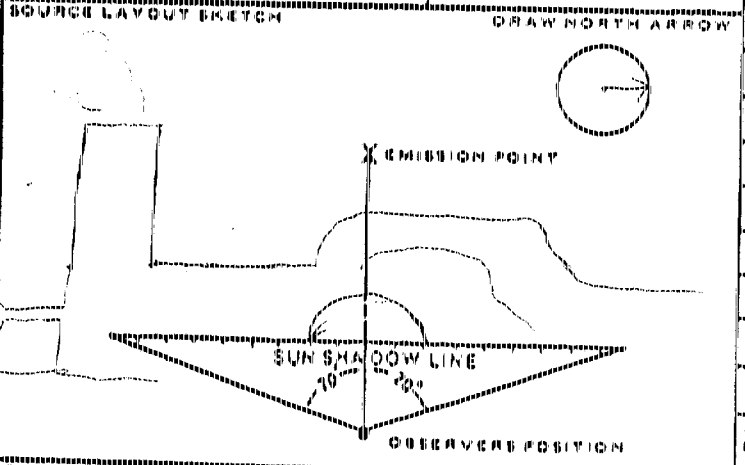
DESCRIBE BACKGROUND: Sky

BACKGROUND COLOR: Blue | SKY CONDITIONS: Clear

WIND SPEED: 1-5 MPH | WIND DIRECTION: N - S

AMBIENT TEMP.: 77° | WET BULB TEMP.: | RELATIVE HUMIDITY:

SOURCE LAYOUT SKETCH | DRAW NORTH ARROW



COMMENTS:

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE:

TITLE: | DATE:

EPA 111 010

OBSERVATION DATE: 5-13-92 | START TIME: 10:44 AM | STOP TIME: 12:13

M \ SEC	0	15	30	45	M \ SEC	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY FOR HIGHEST PERIOD: 0 | NUMBER OF READINGS ABOVE: % WERE

RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM

OBSERVER'S NAME (PRINT): Amy M. Parry

OBSERVER'S SIGNATURE: Amy M. Parry | DATE: 5-13-92

ORGANIZATION: Hemeon Assoc. Inc.

CERTIFIED BY: Eastern Tech. Assoc. | DATE: 3-27-92

VERIFIED BY: | DATE:

VISIBLE EMISSION OBSERVATION FORM

Page 2

SOURCE NAME	OBSERVATION DATE	START TIME	STOP TIME
Lindy Paving Co.	5-13-92		

ADDRESS

CITY | STATE | ZIP

PHONE | SOURCE ID NUMBER: Run 1 Con't.

PROCESS EQUIPMENT | OPERATING MODE

CONTROL EQUIPMENT | OPERATING MODE

DESCRIBE EMISSION POINT

HEIGHT ABOVE GROUND LEVEL | HEIGHT RELATIVE TO OBSERVER

DISTANCE FROM OBSERVER | DIRECTION FROM OBSERVER

DESCRIBE EMISSIONS

EMISSION COLOR | PLUME TYPE: CONTINUOUS ☐ FUGITIVE ☐ INTERMITTENT ☐

WATER DROPLETS PRESENT: NO ☐ YES ☐ | IS WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐

AT WHAT POINT IN THE PLUME WAS OPACITY DETERMINED

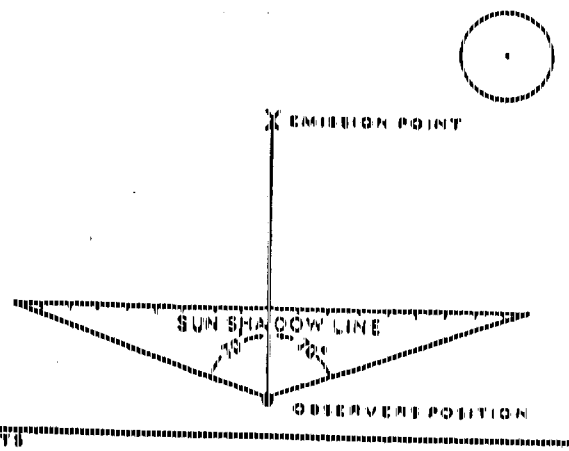
DESCRIBE BACKGROUND

BACKGROUND COLOR | SKY CONDITIONS

WIND SPEED | WIND DIRECTION

AMBIENT TEMP. | WET BULB TEMP. | RELATIVE HUMIDITY

SOURCE LAYOUT SKETCH | DRAW NORTH ARROW



M \ SEC	0	15	30	45	M \ SEC	0	15	30	45
1	0	0	0	0	31				
2	0	0	0	0	32				
3	0	0	0	0	33				
4	0	0	0	0	34				
5	0	0	0	0	35				
6	0	0	0	0	36				
7	0	0	0	0	37				
8	0	0	0	0	38				
9	0	0	0	0	39				
10	0	0	0	0	40				
11	0	0	0	0	41				
12	0	0	0	0	42				
13	0	0	0	0	43				
14	0	0	0	0	44				
15	0	0	0	0	45				
16	0	0	0	0	46				
17	0	0	0	0	47				
18	0	0	0	0	48				
19	0	0	0	0	49				
20	0	0	0	0	50				
21	0	0	0	0	51				
22	0	0	0	0	52				
23	0	0	0	0	53				
24	0	0	0	0	54				
25	0	0	0	0	55				
26	0	0	0	0	56				
27	0	0	0	0	57				
28					58				
29					59				
30					60				

AVERAGE OPACITY FOR HIGHEST PERIOD | NUMBER OF READINGS ABOVE ___ % WERE

RANGE OF OPACITY READINGS: MINIMUM | MAXIMUM

OBSERVER'S NAME (PRINT)

OBSERVER'S SIGNATURE | DATE

ORGANIZATION

CERTIFIED BY | DATE

VERIFIED BY | DATE

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE

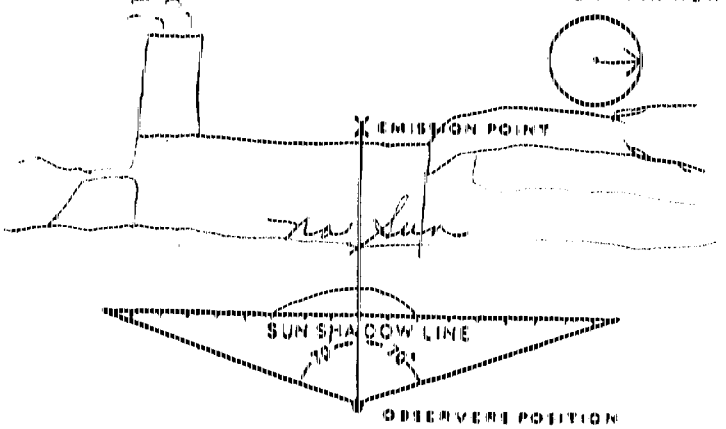
TITLE | DATE

PA 1H 0101

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME	Linde Paving Co.
ADDRESS	Rd#3 Box 2-A
	Northgate Industrial Park
CITY	East Brook
STATE	PA
ZIP	16105
PHONE	652-9330
SOURCE ID NUMBER	Run 2
PROCESS EQUIPMENT	Asphalt
OPERATING MODE	
CONTROL EQUIPMENT	Baghouse
OPERATING MODE	
DESCRIBE EMISSION POINT	
HEIGHT ABOVE GROUND LEVEL	20 ft.
HEIGHT RELATIVE TO OBSERVER	
DISTANCE FROM OBSERVER	30 ft.
DIRECTION FROM OBSERVER	West
DESCRIBE EMISSIONS	
EMISSION COLOR	White
PLUME TYPE: CONTINUOUS ☒ FUGITIVE ☐ INTERMITTENT ☐	
WATER DROPLETS PRESENT	NO ☒ YES ☐
IS WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐
AT WHAT POINT IN THE PLUME WAS OPACITY DETERMINED	
DESCRIBE BACKGROUND	Sky
BACKGROUND COLOR	Blue-White
SKY CONDITIONS	Cloudy
WIND SPEED	5-10
WIND DIRECTION	NW - SE
AMBIENT TEMP.	79°
WET BULB TEMP.	
RELATIVE HUMIDITY	

SOURCE LAYOUT SKETCH



OBSERVATION DATE	START TIME	STOP TIME
5-13-92	1:38 PM.	3:00 PM

M \ SEC	0	15	30	45	M \ SEC	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY FOR HIGHEST PERIOD: 0

NUMBER OF READINGS ABOVE: % WERE

RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM

COMMENTS

OBSERVER'S NAME (PRINT): Amy M. Parry

OBSERVER'S SIGNATURE: Amy M. Parry

DATE: 5-13-92

ORGANIZATION: Hemeon Assoc. Inc.

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE

TITLE

DATE

CERTIFIED BY: Eastern Tech. Assoc.

DATE: 3-27-92

VERIFIED BY

DATE

EPA 111 (9/81)

VISIBLE EMISSION OBSERVATION FORM

Page 2

SOURCE NAME: Linde Paving Co.

OBSERVATION DATE: 5-13-92

START TIME:

STOP TIME:

ADDRESS:

CITY:

STATE:

ZIP:

PHONE:

SOURCE ID NUMBER: Run 2 Cont.

PROCESS EQUIPMENT:

OPERATING MODE:

CONTROL EQUIPMENT:

OPERATING MODE:

DESCRIBE EMISSION POINT:

HEIGHT ABOVE GROUND LEVEL:

HEIGHT RELATIVE TO OBSERVER:

DISTANCE FROM OBSERVER:

DIRECTION FROM OBSERVER:

DESCRIBE EMISSIONS:

EMISSION COLOR:

PLUME TYPE: CONTINUOUS ☐ FUGITIVE ☐ INTERMITTENT ☐

WATER DROPLETS PRESENT: NO ☐ YES ☐

IS WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐

AT WHAT POINT IN THE PLUME WAS OPACITY DETERMINED:

DESCRIBE BACKGROUND:

BACKGROUND COLOR:

SKY CONDITIONS:

WIND SPEED:

WIND DIRECTION:

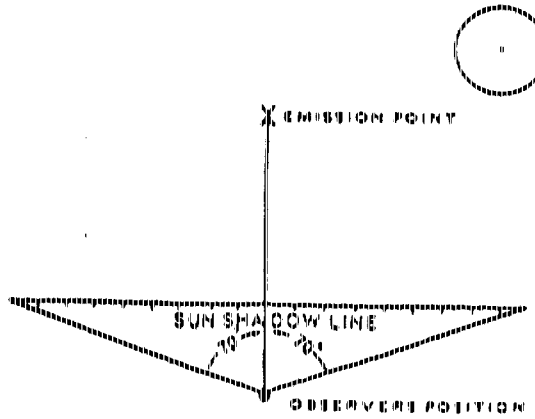
AMBIENT TEMP.:

WET BULB TEMP.:

RELATIVE HUMIDITY:

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW



M \ SEC	0	15	30	45	M \ SEC	0	15	30	45
1	0	0	0	0	31				
2	0	0	0	0	32				
3	0	0	0	0	33				
4	0	0	0	0	34				
5	0	0	0	0	35				
6	0	0	0	0	36				
7	0	0	0	0	37				
8	0	0	0	0	38				
9	0	0	0	0	39				
10	0	0	0	0	40				
11					41				
12					42				
13					43				
14					44				
15					45				
16					46				
17					47				
18					48				
19					49				
20					50				
21					51				
22					52				
23					53				
24					54				
25					55				
26					56				
27					57				
28					58				
29					59				
30					60				

AVERAGE OPACITY FOR HIGHEST PERIOD:

NUMBER OF READINGS ABOVE: % WERE

RANGE OF OPACITY READINGS: MINIMUM MAXIMUM

COMMENTS:

OBSERVER'S NAME (PRINT):

OBSERVER'S SIGNATURE:

DATE:

ORGANIZATION:

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE:

CERTIFIED BY:

DATE:

TITLE:

DATE:

VERIFIED BY:

DATE:

EPA 1 (1 0 0 1)

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME: Lindy Paving Co.

ADDRESS: Rd. #3 Box 2-A

Lithgate Industrial Park

CITY: East Brook | STATE: PA | ZIP: 16105

PHONE: 652-9330 | SOURCE ID NUMBER: Run 3

PROCESS EQUIPMENT: Asphalt - Tap Mix | OPERATING MODE:

CONTROL EQUIPMENT: Baghouse | OPERATING MODE:

DESCRIBE EMISSION POINT:

HEIGHT ABOVE GROUND LEVEL: 20 ft. | HEIGHT RELATIVE TO OBSERVER:

DISTANCE FROM OBSERVER: 30 ft. | DIRECTION FROM OBSERVER:

DESCRIBE EMISSIONS:

EMISSION COLOR: White | PLUME TYPE: CONTINUOUS ☑ FUGITIVE ☐ INTERMITTENT ☐

WATER DROPLETS PRESENT: NO ☑ YES ☐ | IS WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐

AT WHAT POINT IN THE PLUME WAS OPACITY DETERMINED:

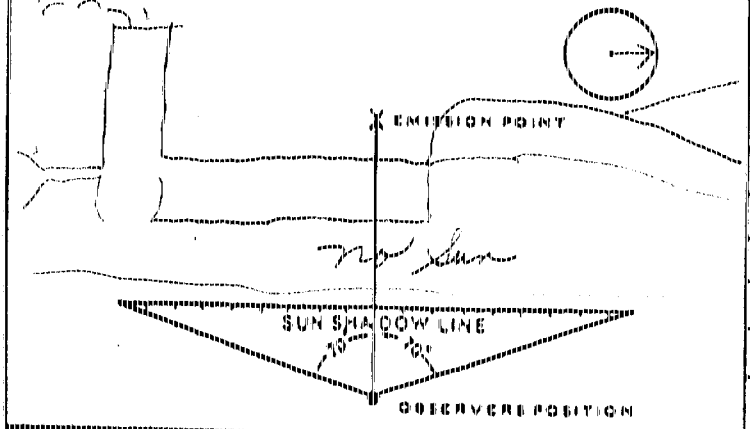
DESCRIBE BACKGROUND: Sky

BACKGROUND COLOR: Gray | SKY CONDITIONS: Overcast

WIND SPEED: 1-5 mph | WIND DIRECTION: N-S

AMBIENT TEMP.: 55° | WET BULB TEMP.: | RELATIVE HUMIDITY:

SOURCE LAYOUT SKETCH | DRAW NORTH ARROW



COMMENTS:

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE:

TITLE: | DATE:

(PA 2H 010)

OBSERVATION DATE: 5-14-92 | START TIME: 7:05 AM | STOP TIME:

M \ SEC	0	15	30	45	M \ SEC	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY FOR HIGHEST PERIOD: 0 | NUMBER OF READINGS ABOVE: % WERE

RANGE OF OPACITY READINGS: 0 MINIMUM 0 MAXIMUM

OBSERVER'S NAME (PRINT): Amy M. Parry

OBSERVER'S SIGNATURE: Amy M. Parry | DATE: 5-14-92

ORGANIZATION: Nemeon Assoc. Inc.

CERTIFIED BY: Eastern Tech. Assoc. | DATE: 3-27-92

VERIFIED BY: | DATE:

VISIBLE EMISSION OBSERVATION FORM

Page 2

SOURCE NAME	OBSERVATION DATE	START TIME	STOP TIME
Lively Paving Co.	5-14-92		

ADDRESS

CITY | STATE | ZIP

PHONE | SOURCE ID NUMBER: Run 3 Cont.

PROCESS EQUIPMENT | OPERATING MODE

CONTROL EQUIPMENT | OPERATING MODE

DESCRIBE EMISSION POINT

HEIGHT ABOVE GROUND LEVEL | HEIGHT RELATIVE TO OBSERVER

DISTANCE FROM OBSERVER | DIRECTION FROM OBSERVER

DESCRIBE EMISSIONS

EMISSION COLOR | PLUME TYPE: CONTINUOUS ☐ FUGITIVE ☐ INTERMITTENT ☐

WATER DROPLETS PRESENT: NO ☐ YES ☐ | IS WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐

AT WHAT POINT IN THE PLUME WAS OPACITY DETERMINED

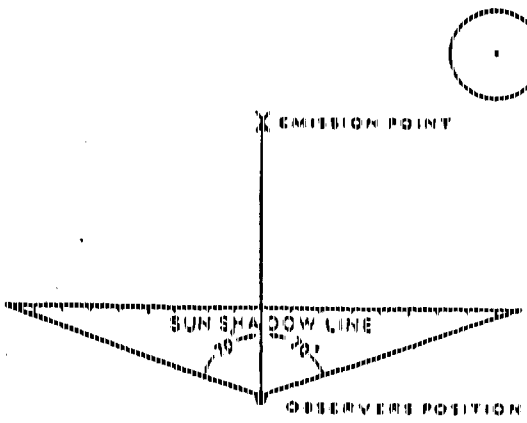
DESCRIBE BACKGROUND

BACKGROUND COLOR | SKY CONDITIONS

WIND SPEED | WIND DIRECTION

AMBIENT TEMP. | WET BULB TEMP. | RELATIVE HUMIDITY

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW



SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	O	O	O	O	31				
2	O	O	O	O	32				
3	O	O	O	O	33				
4	O	O	O	O	34				
5	O	O	O	O	35				
6	O	O	O	O	36				
7	O	O	O	O	37				
8	O	O	O	O	38				
9	O	O	O	O	39				
10	O	O	O	O	40				
11					41				
12					42				
13					43				
14					44				
15					45				
16					46				
17					47				
18					48				
19					49				
20					50				
21					51				
22					52				
23					53				
24					54				
25					55				
26					56				
27					57				
28					58				
29					59				
30					60				

AVERAGE OPACITY FOR HIGHEST PERIOD | NUMBER OF READINGS ABOVE % WERE

RANGE OF OPACITY READINGS: MINIMUM | MAXIMUM

COMMENTS

OBSERVER'S NAME (PRINT)

OBSERVER'S SIGNATURE | DATE

ORGANIZATION

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE

TITLE | DATE

CERTIFIED BY | DATE

VERIFIED BY | DATE

EPA 311 0101

Hemeon Associates, Inc. report of 6-26-92
to Lindy Paving, Inc., East Brook, PA

E. PROCESS DATA

Mix REPORT

FBTM

Leg. Rt. _____ Section _____

Station _____ To Station _____

e 1992 Spec. FB-2 Wearing M Tons _____ P.O. _____

ntractor: Name _____ Location _____

Conc. Producer: Name Lindy Paving Location New Castle, Pa.

ominous Plant: Type Drum Mix Daily Capacity 3000 Mix Time _____ BULK DRY

AGGREGATE AND A.C. PRODUCER	LOCATION	SPEC.	TYPE	%	SP. GR.
edusa Aggregate	West Pittsburg, Pa.	Nat. Sand	A	9.6	2.681
onneaut Lake Sand & Gravel	Conneaut, Pa.	#8	A	42.9	2.610
llegheny Mineral	Slippery Rock, Pa.	#8	A	42.9	2.686
shland Oil	Canton, Ohio	AC-20		4.6	1.026
erden Asphalt Co.	Monaca, Pa.	AC-20			

e AC-20 Pen. 73 Visc. @ 140 F 1886 Visc. @ 275 F _____ Mix Temp. 275°-305°

JOB MIX FORMULA AND DESIGN

Dir.	2½	2	1½	1	½	3/8	4	8	16	30	50	100	200
er					100	100	40	20					
ign 4.6					100	93	30	13					
ver 4.3					100	85	20	4					

MIX CHARACTERISTICS

Theor. ens	Lab. Density	Bitumen % by Wt.	Filler % by Wt.	Pass No. 8	Pass ½"	Stability	Flow	Percent by Volume Voids	VFA	VMA
		4.6		13	100					

HOT BINS

n	2½	2	1½	1	3/4	½	3/8	4	8	16	30	50	100	200	Hot Blend %
mb															

BATCH COMPOSITION

Per Cent	Bitumen	Bin No. 1	Bin No. 2	Bin No. 3	Bin No. 4	Bin No. 5
	4.6	9.6	42.9	42.9		

GRADATION CHART ON BACK IS PART OF THIS JOB MIX FORMULA

pproved CONTRACTOR'S REP. [signature] Date 2-27-92

pproved P.D.T. INSPECTOR _____ Date _____

Reviewed MATERIALS ENGR. [signature] Date 3-30-92

Reviewed DISTRICT ENGR. [signature] Date 4-7-92

NOTE: Percent by weight of bitumen and minus No. 8 material to be designated by District Engineer.

236 P04

REPORT

Leg. Rt. _____ Section _____

Station _____ To Station _____

Date 1992 Spec. F.B.O. Deang-M Tons _____ P.O. _____

Production: Name _____ Location _____

Conc. Producer: Name Lindy Paving Location New Castle Pa.

Continuous Plant: Type Drum Mix Daily Capacity 3000 Mix Time _____

AGGREGATE AND A.C. PRODUCER	LOCATION	SPEC.	TYPE	%	BULK SP. GR.
Medusa Aggregates	West Pittsburg, Pa.	Na Sand	A	9.0	2.681
Conneaut Lake Sand & Gravel	Conneaut, Pa.	#8	A	44.9	2.610
Allegheny Material	Slippery Rock, Pa.	#8	A	44.9	2.644
Ashland Oil	Canton, Ohio			1.0	1.024
Cerdo Asphalt Co.	Venca, Pa.	AC-20			

Type AC-20 Pen. 79 Visc. @ 140 F 1986 Visc. @ 275 F _____ Mix Temp. 275°-305°F

JOB MIX FORMULA AND DESIGN

Sieve Size	2½	2	1½	1	¾	⅜	4	8	16	30	50	100	200
Percent Passing					100	100	42	20					
Job Mix Formula					100	93	30	13					
Tolerance					100	85	20	7					

MIX CHARACTERISTICS

Theor. Sp. Gr.	Lab. Density	Bitumen % by Wt.	Filler % by Wt.	Pass No. 8	Pass ½"	Stability	Flow	Percent by Volume Voids	VFA	VMA
		4.4		13	100					

HOT BINS

Sieve Size	2½	2	1½	1	¾	½	⅜	4	8	16	30	50	100	200	Hot Blend
Sub															

BATCH COMPOSITION

Per Cent	Blend	Bin No. 1	Bin No. 2	Bin No. 3	Bin No. 4	Bin No. 5
	4.4	9.0	44.9	44.9		

GRADATION CHART ON BACK IS PART OF THIS JOB MIX FORMULA

Approved CONTRACTOR'S REP. [signature] Date 3-27-92

Approved P.D.T. INSPECTOR _____ Date _____

Approved MATERIALS ENGR. [signature] Date 3-30-92

Approved DISTRICT ENGR. [signature] Date 4-7-92

NOTE: Percent by weight of bitumen and minus No. 8 material to be designated by District Engineer.

JOB MIX FORMULA

REPORT

Leg. Rt. _____ Section _____

Station _____ To Station _____

ate 1992 Spec. Id-2 Wearing -E- Tons _____ P.O. _____

ontractor: Name _____ Location _____

t. Conc. Producer: Name Lindy Paving Location New Castle, Pa

tominous Plant: Type Drum Mix Daily Capacity 3000 Mix Time _____

AGGREGATE AND A.C. PRODUCER	LOCATION	SPEC.	TYPE	%	BULK D SP. GR
Atlantic Materials	Mercer, Pa.	Mc. Sand	B	50.5	2620
Connecut. Sand & Gravel	Conneaut, Pa.	#A	B	43.0	2600
Ashland Oil	Canton, Ohio	AC-20		6.5	1020
Wenden Asphalt Co.	Monaca, Pa.	AC-20			
United Refining Co.	Springdale, Pa.	AC-20			

ype AC-20 Pen. 78 Visc. @ 140 F 1771 Visc. @ 275 F _____ Mix Temp. 215°-310°

JOB MIX FORMULA AND DESIGN

Bit.	2½	2	1½	1	½	3/8	4	8	16	30	50	100	200
pper 7.2					100	100	73	51	43	32	21	13	7.5
esign 6.5					100	99	65	45	37	26	15	6	4.5
ower 5.8					100	90	57	39	31	20	9	0	1.5

MIX CHARACTERISTICS

Theor. Density	Lab. Density	Bitumen % by Wt.	Filler % by Wt.	Pass No. 8	Pass ½"	Stability	Flow	Percent by Volume Voids	VFA	VMA
2385	2299	6.5	—	45	100	1925	9.0	3.6	79.5	17.7

HOT BINS

Bin	2½	2	1½	1	3/4	½	3/8	4	8	16	30	50	100	200	Hot Blend
1															
2															
3															
4															
5															
Comb															

BATCH COMPOSITION

Per Cent	Bitumen	Bin No. 1	Bin No. 2	Bin No. 3	Bin No. 4	Bin No. 5
	6.5	50.5	43.0			

GRADATION CHART ON BACK IS PART OF THIS JOB MIX FORMULA

Approved CONTRACTOR'S REP. [signature] Date 3-9-92

Approved P.D.T. INSPECTOR _____ Date _____

Reviewed ~~Approved~~ MATERIALS ENGR. [signature] Date 3-24-92

Reviewed ~~Approved~~ DISTRICT ENGR. [signature] Date 3/24/92

NOTE: *Percent by weight of bitumen and minus No. 8 material to be designated by District Engineer.*

REPORT

Leg. Rt. ..... Section

Station ..... To Station .....

ate 1992 ... Spec. Edg Wearing Crs. .. Tons ..... P.O. .....

ontractor: Name ..... Location .....

t. Conc. Producer: Name Lady Paving Location New Castle Pa.

tomixer Plant: Type Drum Mix ... Dolly Capacity 3000 ... Mix Time ...

AGGREGATE AND A.C. PRODUCER	LOCATION	SPEC.	TYPE	%	BULK D SP. GR
Shaw Minerals	New B	46-44	B	50.5	2.66
Lancaster Sand & Gravel	Lancaster, B	78	A	43.0	2.64
Ashland Oil	Canton, OH	46-00		6.5	1.02
Reeder Asphalt Co.	New B	46-88			
Perry Asphalt Co.	Sewickley, B	46-88			

ype 46-00 Pen. 78 Visc. @ 140 F 1771 Visc. @ 275 F ..... Mix Temp. 315°-310°

JOB MIX FORMULA AND DESIGN

Bin.	2½	2	1½	1	¾	3/8	4	8	16	30	50	100	200
pper 2.9					100	100	74	51	33	19	8	3	
esign 6.5					100	99	65	24	17	26	15	6	2.5
nwer 4.8					100	92	52	39	27	20	9	2	1.5

MIX CHARACTERISTICS

Theor. Dr y	Lab. Density	Bitumen % by Wt.	Filler % by Wt.	Pass No. 8	Pass ¾"	Stability	Flow	Voids	Percent by Volume VFA	VMA
2.154	2.299	6.5	—	75	100	1935	9.0	3.6	79.5	17.7

HOT BINS

in	2½	2	1½	1	3/4	¾	3/8	4	8	16	30	50	100	200	Bin Blend
omb															

BATCH COMPOSITION

Per Cent	Bitumen	Bin No. 1	Bin No. 2	Bin No. 3	Bin No. 4	Bin No. 5
	6.5	52.5	41.0			

GRADATION CHART ON BACK IS PART OF THIS JOB MIX FORMULA

Approved CONTRACTOR'S REP. [signature] Date 3-9-92

Approved P.D.T. INSPECTOR ..... Date .....

Approved MATERIALS ENGR. [signature] Date 3-27-92

Approved DISTRICT ENGR. [signature] Date 3/27/92

NOTE: *Percent by weight of bitumen and minus No. 8 material to be designated by District Engineer.*

Hemeon Associates, Inc. report of 6-26-92
to Lindy Paving, Inc., East Brook, PA

PROCESS DATA FROM

MAY 13, 1992

	Type [illegible]	Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130	A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180	New A/C 14.5 %	Agg Incl	176.0	0154.9
Flow Rate 180	Actual A/C 14.5 %	Agg Total	172.2	0181.3
		Total Flow	181.65	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.0	093.8	000.2	086.4	0216.39
0000.0	0000.0	0000.0	0000.0	0000.8	0092.2	0000.2	0088.1	

OK to enter		+ A/C	10.87	032.03
Running	Set Points Mix 2	Add #1	0.000	00.000
		Filler	00.00	000.00
% A/C 06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Rcyl 0.0	Time 10:37			
	Type 00021111	Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130	A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180	New A/C 14.1 %	Agg Incl	173.0	0193.6
Flow Rate 180	Actual A/C 14.1 %	Agg Total	171.0	0190.0
		Total Flow	184.65	

Moistures

0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.4	083.9	000.2	086.7	0235.63
0000.0	0000.0	0000.0	0000.0	0000.9	0096.4	0000.2	0092.5	

OK to enter		+ A/C	11.30	032.58
Running	Set Points Mix 2	Add #1	0.000	00.000
		Filler	00.00	000.00
% A/C 06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Rcyl 0.0	Time 10:40			
	Type 00021111	Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130	A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180	New A/C 13.8 %	Agg Incl	173.0	0202.2
Flow Rate 180	Actual A/C 13.8 %	Agg Total	170.7	0198.5
		Total Flow	183.53	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	082.8	000.2	086.5	0234.78
0000.0	0000.0	0000.0	0000.0	0000.9	0100.6	0000.2	0096.8	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 10:43
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 13.5 %
Actual A/C 13.5 %

+ A/C	11.11	03.12
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	175.7	0210.9
Agg Total	172.0	0207.1
Total Flow	186.44	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.3	003.7	000.3	086.9	0244.03
0000.0	0000.0	0000.0	0000.0	0001.0	0124.6	0000.2	0101.1	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

% Add #1 0.00
Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 10:46
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 13.2 %
Actual A/C 13.2 %

+ A/C	11.34	033.69
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	177.2	0219.0
Agg Total	171.6	0215.6
Total Flow	189.37	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.0	004.1	000.3	087.4	0253.49
0000.0	0000.0	0000.0	0000.0	0001.0	0100.9	0000.2	0105.4	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
rrent Rate 180
Flow Rate 180

Date 05/13/92
Time 10:49
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 13.0 %
Actual A/C 13.0 %

+ A/C	11.18	034.26
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	177.2	0220.7
Agg Total	171.3	0224.3
Total Flow	189.97	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG AGG AGG AGG AGG AGG AGG AGG

00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.9	083.1	000.2	086.7	0262.05
0000.0	0000.0	0000.0	0000.0	0001.1	0113.1	0000.3	0109.5	

OK to enter + A/C 11.20 034.83

Running Set Points Mix 2

% A/C 06.0	Date 05/12/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 10:52	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Recyl		000.00
Current Rate 180	New A/C 12.7 %	Recyl	00.0 %	
Flow Rate 180	Actual A/C 12.7 %	Agg Incl	174.9	0237.4
		Agg Total	172.3	0232.9
		Total Flow	185.36	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.9	083.1	000.1	086.5	0272.23
0000.0	0000.0	0000.0	0000.0	0001.1	0117.3	0000.3	0114.2	

OK to enter + A/C 11.38 035.38

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 10:55	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Recyl		000.00
Current Rate 180	New A/C 12.5 %	Recyl	00.0 %	
Flow Rate 180	Actual A/C 12.5 %	Agg Incl	174.9	0246.1
		Agg Total	172.2	0241.5
		Total Flow	186.70	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.9	083.7	000.2	087.1	0281.48
0000.0	0000.0	0000.0	0000.0	0001.0	0121.5	0000.3	0118.5	

OK to enter + A/C 10.92 035.94

Running Set Points Mix 2

A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 10:58	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Recyl		000.00
Current Rate 180	New A/C 12.2 %	Recyl	00.0 %	
		Agg Incl	173.7	0251.9

Total Flow 184.32

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
9.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.4	083.3	000.4	087.0	0290.74
0000.0	0000.0	0000.0	0000.0	0001.2	0125.7	0000.3	0122.9	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:01
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 12.1 %
Actual A/C 12.1 %

- A/C	11.06	036.50
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	173.3	0263.6
Agg Total	172.2	0258.7
Total Flow	184.05	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
0.0	000.0	000.0	000.0	001.4	084.2	000.4	087.3	0300.10
0000.0	0000.0	0000.0	0000.0	0001.3	0129.8	0000.3	0127.2	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:04
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 11.9 %
Actual A/C 11.9 %

+ A/C	11.36	037.05
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	173.7	0272.3
Agg Total	171.9	0267.2
Total Flow	185.13	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.4	083.0	000.3	087.2	0309.35
0000.0	0000.0	0000.0	0000.0	0001.3	0134.0	0000.3	0131.6	

OK to enter

Running Set Points Mix 2

% A/C 06.0

Date 05/13/92

+ A/C	11.38	037.61
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00

		Type 0002111 1	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate	180	New A/C 11.9 %	Agg Incl	176.0	0281.0
Flow Rate	180	Actual A/C 11.8 %	Agg Total	172.1	0275.7
			Total Flow	187.49	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.7	083.7	000.3	087.3	0318.61
0000.0	0000.0	0000.0	0000.0	0001.3	0138.2	0000.3	0136.0	

OK to enter — A/C 11.52 038.17

Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C 06.0	Date 05/13/92		Add #2	00.00	000.00
% A/C Rcyl 0.0	Time 11:10				
	Type 00021111		Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140		Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130		A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003		Rcyl	00.0 %	
Current Rate 180	New A/C 11.6 %		Agg Incl	177.2	0289.9
Flow Rate 180	Actual A/C 11.5 %		Agg Total	171.6	0284.4
			Total Flow	187.22	

Moistures

.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.2	082.7	000.2	087.4	0328.07
0000.0	0000.0	0000.0	0000.0	0001.4	0142.4	0000.3	0140.3	

OK to enter — A/C 11.32 038.73

Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C 06.0	Date 05/13/92		Add #2	00.00	000.00
% A/C Rcyl 0.0	Time 11:13				
	Type 00021111		Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140		Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130		A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003		Rcyl	00.0 %	
Current Rate 180	New A/C 11.4 %		Agg Incl	174.5	0298.9
Flow Rate 180	Actual A/C 11.4 %		Agg Total	172.4	0293.0
			Total Flow	187.81	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.2	083.7	000.3	086.8	0337.43
0000.0	0000.0	0000.0	0000.0	0001.4	0146.6	0000.3	0144.7	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:16
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 11.3 %
Actual A/C 11.3 %

A/C	11.28	033.30
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	178.0	0307.6
Agg Total	172.0	0301.7
Total Flow	190.47	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.4	083.8	000.3	087.1	0345.90
0000.0	0000.0	0000.0	0000.0	0001.5	0150.8	0000.4	0149.0	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

% Add #1 0.00
Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:19
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 11.1 %
Actual A/C 11.1 %

A/C	11.55	039.57
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	180.7	0316.6
Agg Total	172.4	0310.2
Total Flow	194.98	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.8	084.4	000.1	087.0	0350.47
0000.0	0000.0	0000.0	0000.0	0001.5	0154.9	0000.4	0153.4	

OK to enter

Running Set Points Mix 2

% A/C 05.0
% A/C Rcyl 0.0

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
rent Rate 180
Flow Rate 180

Date 05/13/92
Time 11:22
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 11.0 %
Actual A/C 11.0 %

A/C	11.05	040.45
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	174.9	0325.6
Agg Total	172.4	0319.9
Total Flow	184.45	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG AGG AGG AGG AGG AGG AGG AGG

00.0%	00.0%	00.0%	00.0%	00.0%	00.0%	00.0%	51.0%	Mix
								Total
000.0	000.0	000.0	000.0	001.8	083.7	000.1	087.1	0366.05
0000.0	0000.0	0000.0	0000.0	0001.6	0159.1	0000.4	0157.8	

OK to enter — A/C 11.32 041.01

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 11:25	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 10.9 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 10.9 %	Agg Incl	173.7	0334.3
		Agg Total	171.6	0327.4
		Total Flow	165.10	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix
								Total
000.0	000.0	000.0	000.0	001.1	084.5	000.3	087.2	0375.31
0000.0	0000.0	0000.0	0000.0	0001.6	0163.3	0000.4	0162.1	

OK to enter — A/C 11.28 041.58

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 11:28	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 10.8 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 10.8 %	Agg Incl	174.1	0343.1
		Agg Total	171.0	0336.1
		Total Flow	185.83	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix
								Total
000.0	000.0	000.0	000.0	000.4	083.6	000.0	087.3	0384.58
0000.0	0000.0	0000.0	0000.0	0001.7	0167.5	0000.4	0166.5	

OK to enter — + A/C 11.57 042.13

Running Set Points Mix 2

A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 11:31	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 10.6 %	Rcyl	00.0 %	
		Agg Incl	175.3	0351.3

Total Flow 186.51

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	020.9	083.5	000.3	086.9	0393.93
0000.0	0000.0	0000.0	0000.0	0001.7	0171.7	0000.4	0170.8	

OK to enter — A/C 10.65 042.69

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:34
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 10.5 %
Actual A/C 10.5 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	173.0	0360.5
Agg Total	172.5	0353.3
Total Flow	153.66	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
.0	000.0	000.0	000.0	021.2	083.9	000.0	087.3	0403.19
0000.0	0000.0	0000.0	0000.0	0001.8	0175.9	0000.4	0175.2	

OK to enter — + A/C 11.31 043.25

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:37
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 10.4 %
Actual A/C 10.4 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	174.5	0369.2
Agg Total	170.7	0361.8
Total Flow	186.25	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.0	083.5	000.1	088.1	0412.45
0000.0	0000.0	0000.0	0000.0	0021.5	0180.0	0000.4	0179.6	

OK to enter — + A/C 11.21 043.51

Running Set Points Mix 2

% A/C 06.0

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	

Date 05/13/92

		Type 0002111	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate	180	New A/C 10.3 %	Agg Incl	174.1	0378.0
Flow Rate	180	Actual A/C 10.3 %	Agg Total	171.4	0370.6
			Total Flow	185.78	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	02.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.0	083.3	000.0	087.0	0421.70
0000.0	0000.0	0000.0	0000.0	0001.9	0184.3	0000.4	0184.0	

OK to enter			+ A/C	11.12	044.37
Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Rcyl	0.0	Time 11:43			
		Type 0002111	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate	180	New A/C 10.2 %	Agg Incl	173.7	0386.7
Flow Rate	180	Actual A/C 10.2 %	Agg Total	171.6	0379.0
			Total Flow	186.05	

Moistures

.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	002.9	083.1	000.2	087.1	0431.07
0000.0	0000.0	0000.0	0000.0	0001.9	0180.4	0000.4	0188.3	

OK to enter			- A/C	11.13	044.92
Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Rcyl	0.0	Time 11:46			
		Type 0002111	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate	180	New A/C 10.2 %	Agg Incl	173.7	0395.4
Flow Rate	180	Actual A/C 10.2 %	Agg Total	172.7	0387.7
			Total Flow	186.06	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	082.7	000.0	087.8	0440.32
0000.0	0000.0	0000.0	0000.0	0002.0	0192.6	0000.4	0193.7	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:49
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 10.1 %
Actual A/C 10.1 %

+ A/C 10.57 045.46

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	177.6	0404.2
Agg Total	170.8	0396.2
Total Flow	184.35	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.2	083.3	000.0	087.3	0449.68
0000.0	0000.0	0000.0	0000.0	0002.0	0196.8	0000.4	0197.0	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
Add #1 0.00
Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:50
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 10.0 %
Actual A/C 10.0 %

+ A/C 11.20 046.04

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	174.5	0413.0
Agg Total	171.7	0404.8
Total Flow	185.35	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.2	083.8	000.0	087.9	0459.04
0000.0	0000.0	0000.0	0000.0	0002.0	0201.0	0000.4	0201.4	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 11:55
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.9 %
Actual A/C 09.9 %

+ A/C 11.50 046.60

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	173.0	0421.7
Agg Total	169.8	0413.4
Total Flow	184.13	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.5	081.9	000.0	087.3	0465.30
0000.0	0000.0	0000.0	0000.0	0002.1	0203.1	0000.4	0205.8	

OK to enter — A/C 11.01 047.16

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 11:58	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.8 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 09.8 %	Agg Incl	173.3	0430.2
		Agg Total	172.2	0422.0
		Total Flow	186.34	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.0	084.0	000.0	087.3	0477.46
0000.0	0000.0	0000.0	0000.0	0002.1	0209.2	0000.5	0210.1	

OK to enter — A/C 11.19 047.71

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:01	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.8 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 09.8 %	Agg Incl	175.3	0439.1
		Agg Total	170.3	0430.6
		Total Flow	185.35	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.8	082.6	000.0	086.9	0485.21
0000.0	0000.0	0000.2	0000.0	0002.2	0213.4	0000.5	0214.5	

OK to enter — A/C 11.04 048.26

Running Set Points Mix 2

A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:04	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.7 %	Rcyl	00.0 %	
		Agg Incl	176.0	0447.9

Total Flow 187.53

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
1.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	083.9	000.0	087.3	0496.06
0000.0	0000.0	0000.0	0000.0	0002.3	0217.6	0000.5	0215.9	

OK to enter + A/C 11.54 048.83

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:07	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.6 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 09.6 %	Agg Incl	174.1	0456.5
		Agg Total	171.7	0447.8
		Total Flow	165.71	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
0.0	000.0	000.0	000.0	000.1	083.6	000.0	086.8	0505.33
0000.0	0000.0	0000.0	0000.0	0002.3	0221.7	0000.5	0223.2	

OK to enter - A/C 11.07 049.39

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:10	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.5 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 09.5 %	Agg Incl	173.3	0465.3
		Agg Total	171.6	0456.3
		Total Flow	185.84	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.3	084.1	000.0	087.1	0514.58
0000.0	0000.0	0000.0	0000.0	0002.3	0225.9	0000.5	0227.6	

OK to enter + A/C 11.11 049.94

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
		Filler	00.00	000.00
		Add #2	00.00	000.00

	Type [illegible]	Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay [illegible]	Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130	A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180	New A/C 09.5 %	Agg Incl	174.5	0473.9
Flow Rate 180	Actual A/C 09.5 %	Agg Total	170.2	0464.9
		Total Flow	185.27	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.0	083.4	000.0	086.8	0523.84
0000.0	0000.0	0000.0	0000.0	0002.3	0230.1	0000.5	0232.0	

OK to enter

		+ A/C	10.71	050.49

Running Set Points Mix 1

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:16	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.4 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 09.4 %	Agg Incl	174.9	0482.6
		Agg Total	172.0	0473.3
		Total Flow	185.27	

Moistures

.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.3	084.5	000.0	087.2	0533.09
0000.0	0000.0	0000.0	0000.0	0000.3	0234.3	0000.5	0236.4	

OK to enter

		+ A/C	10.93	051.05

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:19	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 09.4 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 09.4 %	Agg Incl	172.2	0491.4
		Agg Total	172.2	0481.9
		Total Flow	184.32	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.2	084.2	000.5	087.6	0542.45
0000.0	0000.0	0000.0	0000.0	0002.3	0228.4	0000.5	0240.7	

OK to enter

A/C	11.55	051.61
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	174.5	0500.2
Agg Total	171.8	0490.6
Total Flow	183.00	

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 12:22
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.3 %
Actual A/C 09.3 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.5	082.9	000.3	087.1	0551.51
0000.0	0000.0	0000.0	0000.0	0002.4	0242.6	0000.5	0245.1	

OK to enter

A/C	11.01	052.17
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	174.5	0508.8
Agg Total	171.7	0499.1
Total Flow	184.40	

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

Add #1 0.00
Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 12:25
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.3 %
Actual A/C 09.3 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.5	083.3	000.2	087.6	0560.97
0000.0	0000.0	0000.0	0000.0	0002.4	0246.7	0000.5	0249.4	

OK to enter

A/C	11.00	052.72
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	173.0	0517.4
Agg Total	170.9	0507.6
Total Flow	183.24	

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 12:28
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.2 %
Actual A/C 09.2 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	06.0%	00.0%	00.0%	[illegible]	[illegible]	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.4	083.0	000.4	087.1	0573.10
0000.0	0000.0	0000.0	0000.0	0002.4	0251.0	0000.5	0253.9	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 12:31
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.1 %
Actual A/C 09.1 %

→ A/C 10.96 053.28

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	175.3	0526.1
Agg Total	171.3	0516.2
Total Flow	185.90	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.1	083.7	000.1	087.3	0579.38
0000.0	0000.0	0000.0	0000.0	0002.4	0255.1	0000.5	0258.2	

OK to enter

→ A/C 11.13 053.32

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 12:34
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.1 %
Actual A/C 09.1 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	176.4	0534.8
Agg Total	172.0	0524.8
Total Flow	188.38	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 02.1 % 00.0 % 05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.7	083.3	000.4	087.6	0580.62
0000.0	0000.0	0000.0	0000.0	0002.5	0259.3	0000.5	0262.6	

OK to enter

→ A/C 11.35 054.39

Running Set Points Mix 2

A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180

Date 05/13/92
Time 12:37
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 09.0 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	179.1	0543.7

Total Flow 188.76

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
0.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.4	003.3	000.2	086.9	0593.09
0000.0	0000.0	0000.0	0000.0	0002.5	0253.5	0000.6	0266.9	

OK to enter — A/C 11.63 054.95

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 12:40	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 150	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Recyl		000.00
Current Rate 180	New A/C 09.0 %	Recyl	00.0 %	
Flow Rate 180	Actual A/C 09.0 %	Agg Incl	176.0	0552.6
		Agg Total	173.1	0542.1
		Total Flow	188.12	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
1.0	000.0	000.0	000.0	001.4	002.7	000.2	087.3	0607.55
0000.0	0000.0	0000.0	0000.0	0002.6	0257.6	0000.6	0271.3	

OK to enter — A/C 11.44 055.52

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 12:43	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 150	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Recyl		000.00
Current Rate 180	New A/C 06.9 %	Recyl	00.0 %	
Flow Rate 180	Actual A/C 06.9 %	Agg Incl	175.7	0561.4
		Agg Total	171.4	0550.6
		Total Flow	187.15	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.3	062.5	000.0	087.5	0616.32
0000.0	0000.0	0000.0	0000.0	0002.6	0271.8	0000.6	0275.7	

OK to enter — + A/C 11.39 056.09

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
		Filler	00.00	000.00
		Add #2	00.00	000.00

		Type 20021111	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate	180	New A/C 08.9 %	Agg Incl	175.3	0570.3
Flow Rate	180	Actual A/C 08.9 %	Agg Total	171.1	0559.3
			Total Flow	187.49	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.1	083.1	000.1	087.4	0626.30
0000.0	0000.0	0000.0	0000.0	0002.7	0276.0	0000.6	0280.0	

OK to enter			- A/C	11.70	056.66
Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C 06.0	Date 05/13/92		Add #2	00.00	000.00
% A/C Rcyl 0.0	Time 12:49				
	Type 00021111		Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140		Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130		A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003		Rcyl	00.0 %	
Current Rate 180	New A/C 08.9 %		Agg Incl	179.1	0579.2
Flow Rate 180	Actual A/C 08.9 %		Agg Total	172.4	0568.0
			Total Flow	191.28	

Moistures

[illegible] 0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.2	000.0	000.0	001.2	083.3	000.1	087.3	0635.86
0000.0	0000.0	0000.0	0000.0	0002.0	0280.2	0000.6	0284.4	

OK to enter			- A/C	11.37	057.22
Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C 06.0	Date 05/13/92		Add #2	00.00	000.00
% A/C Rcyl 0.0	Time 12:52				
	Type 00021111		Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140		Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130		A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003		Rcyl	00.0 %	
Current Rate 180	New A/C 08.8 %		Agg Incl	178.0	0588.0
Flow Rate 180	Actual A/C 08.8 %		Agg Total	173.7	0576.4
			Total Flow	189.39	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.3	084.5	000.4	087.0	0645.22
0000.0	0000.0	0000.0	0000.0	0002.0	0284.3	0000.6	0288.7	

OK to enter — A/C 11.55 057.79

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:55		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
Add #1 0.00	Begin Delay 140		Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130		Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003		A/C Rcyl		000.00
Current Rate 180	New A/C 00.5 %		Rcyl	00.0 %	
Flow Rate 180	Actual A/C 00.5 %		Agg Incl	178.0	0596.7
			Agg Total	174.1	0585.0
			Total Flow	189.57	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	082.6	000.1	086.7	0654.49
0000.0	0000.0	0000.0	0000.0	0002.0	0289.5	0000.6	0293.1	

OK to enter — + A/C 11.00 058.34

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 12:50		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
Add #1 0.00	Begin Delay 140		Rcyl Incl	000.0	0000.0
Filler 0.0	End Delay 130		Rcyl Total	000.0	0000.0
Add #2 0.0	Ticket Time 003		A/C Rcyl		000.00
Current Rate 180	New A/C 00.7 %		Rcyl	00.0 %	
Flow Rate 180	Actual A/C 00.7 %		Agg Incl	179.0	0605.5
			Agg Total	170.5	0593.6
			Total Flow	189.42	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	081.4	000.4	087.4	0663.04
0000.0	0000.0	0000.0	0000.0	0002.0	0292.7	0000.6	0297.5	

OK to enter — A/C 11.47 058.91

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 13:01		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140		Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130		Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003		A/C Rcyl		000.00
Current Rate 180	New A/C 00.7 %		Rcyl	00.0 %	
Flow Rate 180	Actual A/C 00.7 %		Agg Incl	178.0	0614.4
			Agg Total	173.1	0602.2
			Total Flow	189.99	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	00.0%	00.0%	00.0%	00.0%	[illegible]	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.8	863.4	000.3	087.5	0673.31
0000.0	0000.0	0000.0	0000.0	0002.0	2296.9	0000.6	0301.9	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 150
Flow Rate 180

Date 05/13/92
Time 13:04
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 05.7 %
Actual A/C 05.7 %

A/C	11.62	059.49
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	175.7	0623.4
Agg Total	173.0	0611.0
Total Flow	186.95	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	053.5	000.3	087.5	0682.89
0000.0	0000.0	0000.0	0000.0	0003.0	0301.0	0000.7	0306.2	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 13:07
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.6 %
Actual A/C 08.6 %

A/C	11.62	060.04
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	176.0	0632.1
Agg Total	173.4	0619.6
Total Flow	187.33	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.6	053.9	000.3	086.8	0692.14
0000.0	0000.0	0000.0	0000.0	0003.1	0305.2	0000.7	0310.6	

OK to enter

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180

Date 05/13/92
Time 13:10
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.6 %

A/C	11.27	060.60
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	176.2	0640.9

Total Flow 105.12

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
0.0%	00.0%	00.0%	00.0%	02.0%	49.0%	00.0%	51.0%	Mix Total
002.0	000.0	000.0	000.0	001.2	053.9	000.1	087.5	0701.50
0000.0	0000.0	0000.0	0000.0	0045.2	0309.4	0000.7	0314.9	

OK to enter — A/C 11.28 061.16

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Recyl 0.0	Time 13:13		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140		Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130		Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003		A/C Recyl		000.00
Current Rate 180	New A/C 09.6 %		Recyl	00.0 %	
Flow Rate 180	Actual A/C 08.6 %		Agg Incl	177.2	0649.6
			Agg Total	172.2	0636.8
			Total Flow	187.75	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
2.0	000.0	000.0	000.0	001.3	083.1	000.1	087.1	0710.76
0000.0	0000.0	0000.0	0000.0	0003.2	0313.6	0000.7	0319.3	

OK to enter — A/C 11.39 061.73

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Recyl 0.0	Time 13:16		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 142		Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 133		Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003		A/C Recyl		000.00
Current Rate 180	New A/C 08.5 %		Recyl	00.0 %	
Flow Rate 180	Actual A/C 08.5 %		Agg Incl	175.7	0658.4
			Agg Total	172.3	0645.4
			Total Flow	187.09	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.1	092.0	000.1	087.3	0720.13
0000.0	0000.0	0000.0	0000.0	0001.3	0317.7	0000.7	0323.7	

OK to enter — A/C 11.50 062.29

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
			Filler	00.00	000.00
			Add #2	00.00	000.00

		Type 00[illegible]	Royl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Royl		000.00
% Add #2	0.0	Ticket Time 003	Royl	00.0 %	
Current Rate	180	New A/C 08.5 %	Agg Incl	178.4	0667.3
Flow Rate	180	Actual A/C 08.5 %	Agg Total	170.8	0653.9
			Total Flow	186.54	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.6	083.3	000.4	087.3	0729.59
0000.0	0000.0	0000.0	0000.0	0007.3	0321.9	0000.7	0328.0	

OK to enter

			A/C	11.08	062.85
Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Royl	0.0	Time 13:22			
		Type 00021111	Royl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Royl		000.00
% Add #2	0.0	Ticket Time 003	Royl	00.0 %	
Current Rate	180	New A/C 08.5 %	Agg Incl	174.5	0675.9
Flow Rate	180	Actual A/C 08.5 %	Agg Total	171.2	0662.5
			Total Flow	186.02	

Moistures

.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.6	083.0	000.2	087.3	0738.75
0000.0	0000.0	0000.0	0000.0	0007.4	0326.1	0000.7	0332.4	

OK to enter

			A/C	11.43	063.41
Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Royl	0.0	Time 13:35			
		Type 00021111	Royl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Royl		000.00
% Add #2	0.0	Ticket Time 003	Royl	00.0 %	
Current Rate	180	New A/C 08.4 %	Agg Incl	178.4	0684.7
Flow Rate	180	Actual A/C 08.4 %	Agg Total	172.4	0671.0
			Total Flow	187.91	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.9	083.6	000.4	087.5	0748.11
0000.0	0000.0	0000.0	0000.0	0008.4	0330.3	0000.7	0336.0	

OK to enter

					- A/C	11.09		063.97
Running	Set Points		Mix 2		Add #1	0.000		00.000
					Filler	00.00		000.00
% A/C	06.0	Date	05/13/92		Add #2	00.00		000.00
% A/C Rcyl	0.0	Time	13:28					
		Type	00021111		Rcyl Incl	000.0		0000.0
% Add #1	0.00	Begin Delay	140		Rcyl Total	000.0		0000.0
% Filler	0.0	End Delay	130		A/C Rcyl			000.00
% Add #2	0.0	Ticket Time	003		Rcyl	00.0 %		
Current Rate	180	New A/C	08.4 %		Agg Incl	176.0		0693.5
Flow Rate	180	Actual A/C	08.4 %		Agg Total	171.9		0679.6
					Total Flow	186.41		

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.3	083.0	000.2	086.7	0757.57
0000.0	0000.0	0000.0	0000.0	0003.4	0334.4	0000.7	0341.1	

OK to enter

					+ A/C	10.96		064.53
Running	Set Points		Mix 2		Add #1	0.000		00.000
					Filler	00.00		000.00
% A/C	06.0	Date	05/13/92		Add #2	00.00		000.00
% A/C Rcyl	0.0	Time	13:31					
		Type	00021111		Rcyl Incl	000.0		0000.0
% Add #1	0.00	Begin Delay	140		Rcyl Total	000.0		0000.0
Filler	0.0	End Delay	130		A/C Rcyl			000.00
% Add #2	0.0	Ticket Time	003		Rcyl	00.0 %		
Current Rate	180	New A/C	08.4 %		Agg Incl	175.7		0702.3
Flow Rate	180	Actual A/C	08.4 %		Agg Total	172.5		0688.4
					Total Flow	185.50		

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.4	083.1	000.1	086.9	0766.83
0000.0	0000.0	0000.0	0000.0	0003.5	0336.6	0000.8	0345.5	

OK to enter

					- A/C	11.09		065.09
Running	Set Points		Mix 2		Add #1	0.000		00.000
					Filler	00.00		000.00
% A/C	06.0	Date	05/13/92		Add #2	00.00		000.00
% A/C Rcyl	0.0	Time	13:34					
		Type	00021111		Rcyl Incl	000.0		0000.0
% Add #1	0.00	Begin Delay	140		Rcyl Total	000.0		0000.0
% Filler	0.0	End Delay	130		A/C Rcyl			000.00
% Add #2	0.0	Ticket Time	003		Rcyl	00.0 %		
Current Rate	180	New A/C	08.3 %		Agg Incl	174.9		0711.0
Flow Rate	180	Actual A/C	08.3 %		Agg Total	172.3		0696.9
					Total Flow	184.86		

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	00.0%	00.0%	00.0%	00.0%	[illegible]	00.0%	51.0%	Mix Total
000.0	000.0	040.0	000.0	001.4	083.1	000.3	087.4	0776.09
00000.0	00000.0	00000.0	00000.0	00000.[illegible]	0342.7	0000.8	0349.0	

OK to enter

+ A/C 11.39 065.65

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 13:37
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 00.3 %
Actual A/C 00.3 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	176.4	0719.0
Agg Total	171.6	0705.5
Total Flow	185.71	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	021.1	082.9	000.3	087.3	0785.45
00000.0	00000.0	00000.0	00000.0	00003.6	0346.9	0000.8	0354.2	

- A/C 11.20 065.95

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 190

Date 05/13/92
Time 13:39
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 00.3 %
Actual A/C 05.3 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	177.2	0724.5
Agg Total	172.8	0710.1
Total Flow	187.69	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	001.5	084.5	000.1	087.3	0790.45
00000.0	00000.0	00000.0	00000.0	00003.7	0349.1	0000.8	0356.5	

- A/C 11.01 066.22

Running Set Points Mix 2

A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 190

Date 05/13/92
Time 13:40
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C [illegible]

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	175.7	[illegible]

Total Flow 187.50

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1
0.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%
000.0	000.0	000.0	000.0	001.2	053.2	000.3	087.5
0000.0	0000.0	0000.0	0000.0	0003.7	0351.1	0000.8	0358.6

Mix Total 0794.81

+ A/C 11.04 065.78

Running Set Points Mix 3

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 13:43
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 043
New A/C 00.3 %
Actual A/C 00.3 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	174.9	0737.5
Agg Total	171.4	0722.8
Total Flow	186.37	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%
0.0	000.0	000.0	000.0	000.5	083.8	000.2	087.4
00000.0	0000.0	0000.0	0000.0	0003.7	0355.3	0000.8	0362.9

Mix Total 0804.28

+ A/C 11.19 067.34

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 13:46
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 00.2 %
Actual A/C 00.2 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	174.5	0746.1
Agg Total	172.1	0731.3
Total Flow	186.14	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%
000.0	000.0	000.0	000.0	000.0	084.1	000.0	087.0
0000.0	0000.0	0000.0	0000.0	0002.8	0355.4	0000.8	0367.3

Mix Total 0813.44

+ A/C 11.04 067.90

Running Set Points Mix 2

% A/C 06.0

Date 05/13/92

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00

	Type 00001111	Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130	A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180	New A/C 08.2 %	Agg Incl	174.1	0754.9
Flow Rate 180	Actual A/C 08.2 %	Agg Total	172.0	0739.9
		Total Flow	184.82	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.0	083.9	000.0	087.2	0822.30
0000.0	0000.0	0000.0	0000.0	0000.0	0363.6	0000.0	0371.7	

- A/C	11.58	068.46

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 13:50	Filler	00.00	000.00
	Type 00001111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 08.2 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 08.2 %	Agg Incl	174.5	0763.6
		Agg Total	171.7	0748.6
		Total Flow	186.52	

Moisture

.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.0	083.5	000.4	087.1	0832.06
0000.0	0000.0	0000.0	0000.0	0000.9	0367.8	0000.8	0376.1	

- A/C	11.23	069.01

Running Set Points Mix 3

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 13:55	Filler	00.00	000.00
	Type 00001111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 08.2 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 08.2 %	Agg Incl	173.7	0772.2
		Agg Total	172.5	0757.0
		Total Flow	186.16	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.6	083.9	000.1	087.8	0841.21
0000.0	0000.0	0000.0	0000.0	0000.5	0372.0	0000.8	0380.4	

A/C 11.16 [illegible]

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0

Date 05/13/92
Time 13:58
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.1 %
Actual A/C 08.1 %

Add #1 0.000
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	177.2	0781.0
Agg Total	170.9	0765.6
Total Flow	186.48	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	006.3	029.1	283.3	000.4	087.1	0850.56
0000.0	0000.0	0000.0	0000.0	0003.0	0376.1	0000.8	0384.7	

A/C 11.39 070.13

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0

Date 05/13/92
Time 14:01
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.1 %
Actual A/C 06.1 %

Add #1 0.000
Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	173.3	0789.8
Agg Total	173.2	0774.3
Total Flow	184.40	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	002.0	357.6	000.3	087.3	0859.93
0000.0	0000.0	0000.0	0002.0	0004.0	0380.3	0000.9	0389.1	

A/C 11.11 070.68

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0

Date 05/13/92
Time 14:04
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.1 %
Actual A/C 08.1 %

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	174.9	0798.4
Agg Total	173.0	0782.9
Total Flow	185.67	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG AGG AGG AGG AGG AGG AGG AGG

00.0%	00.0%	00.0%	[illegible]	[illegible]	11.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	003.4	083.5	000.0	087.4	0869.08
0000.0	0000.0	0000.0	0000.0	0001.4	0384.5	0000.9	0393.5	

- A/C 11.08 071.23

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 14:07
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.1 %
Actual A/C 08.1 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	175.3	0807.0
Agg Total	172.2	0791.4
Total Flow	185.63	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.4	083.5	000.1	087.2	0876.23
0000.0	0000.0	0000.0	0000.0	0001.1	0285.7	0000.9	0397.9	

- A/C 11.32 071.79

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 14:10
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 05.0 %
Actual A/C 08.0 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	176.0	0815.9
Agg Total	172.1	0800.1
Total Flow	187.42	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.4	083.4	000.0	087.2	0807.69
0000.0	0000.0	0000.0	0000.0	0004.2	0392.8	0000.9	0402.2	

- A/C 10.97 072.35

Running Set Points Mix 2

A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180

Date 05/13/92
Time 14:13
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 08.0 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	170.4	0824.7

Total Flow 187.55

Moistures

00.0 %	00.0 %	00.0 %	03.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
1.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	082.6	000.1	087.8	0897.05
0000.0	0000.0	0000.0	0000.0	0004.7	0397.0	0000.9	0406.6	

+ A/C	11.23	072.92

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Royl 0.0	Time 14:16		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140		Royl Incl	000.0	00000.0
% Filler 0.0	End Delay 130		Royl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003		A/C Royl		000.00
Current Rate 180	New A/C 00.0 %		Royl	00.0 %	
Flow Rate 190	Actual A/C 05.0 %		Agg Incl	175.3	0833.5
			Agg Total	171.7	0817.4
			Total Flow	186.17	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
0.0	000.0	000.0	000.0	000.0	054.2	000.3	087.3	0906.42
0000.0	0000.0	0000.0	0000.0	0004.3	0401.2	0000.9	0411.0	

+ A/C	10.92	073.48

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
% A/C Royl 0.0	Time 14:19		Filler	00.00	000.00
	Type 00021111		Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140		Royl Incl	000.0	0000.0
% Filler 0.0	End Delay 130		Royl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003		A/C Royl		000.00
Current Rate 180	New A/C 00.0 %		Royl	00.0 %	
Flow Rate 150	Actual A/C 00.0 %		Agg Incl	173.0	0842.3
			Agg Total	170.6	0826.0
			Total Flow	185.48	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	083.9	000.0	087.3	0915.78
0000.0	0000.0	0000.0	0000.0	0004.3	0405.4	0000.9	0415.4	

- A/C	11.24	074.03

Running	Set Points	Mix 2			
% A/C 06.0	Date 05/13/92		Add #1	0.000	00.000
			Filler	00.00	000.00
			Add #2	00.00	000.00

		Type [illegible]	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180		New A/C 00.0 %	Agg Incl	174.9	0850.7
Flow Rate 180		Actual A/C 06.9 %	Agg Total	171.4	0834.0
			Total Flow	185.70	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.4	083.8	000.4	086.7	0924.63
0000.0	0000.0	0000.0	0000.0	0004.3	0409.5	0000.9	0419.3	

+ A/C	11.01	074.57

Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Rcyl	0.0	Time 14:25			
		Type 00021111	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180		New A/C 07.9 %	Agg Incl	174.5	0859.4
Flow Rate 180		Actual A/C 07.9 %	Agg Total	170.4	0842.6
			Total Flow	185.95	

Moistures

.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.4	083.7	000.3	087.0	0933.97
0000.0	0000.0	0000.0	0000.0	0004.3	0413.7	0000.9	0423.7	

- A/C	10.93	075.12

Running	Set Points	Mix 2	Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	06.0	Date 05/13/92	Add #2	00.00	000.00
% A/C Rcyl	0.0	Time 14:20			
		Type 00021111	Rcyl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 140	Rcyl Total	000.0	0000.0
% Filler	0.0	End Delay 130	A/C Rcyl		000.00
% Add #2	0.0	Ticket Time 003	Rcyl	00.0 %	
Current Rate 180		New A/C 07.9 %	Agg Incl	175.3	0868.1
Flow Rate 180		Actual A/C 07.9 %	Agg Total	169.9	0851.1
			Total Flow	186.25	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	
000.0	000.0	000.0	000.0	000.1	083.3	000.0	086.6	0943.22
0000.0	0000.0	0000.0	0000.0	0004.3	0417.9	0000.9	0428.0	

					+ A/C	11.19		075.68
Running	Set Points	Mix 2			Add #1	0.000		00.000
					Filler	00.00		000.00
% A/C	06.0	Date	05/13/92		Add #2	00.00		000.00
% A/C Rcyl	0.0	Time	14:31					
		Type	00021111		Rcyl Incl	000.0		0000.0
% Add #1	0.00	Begin Delay	140		Rcyl Total	000.0		0000.0
% Filler	0.0	End Delay	130		A/C Rcyl			000.00
% Add #2	0.0	Ticket Time	003		Rcyl	00.0 %		
Current Rate	180	New A/C	07.9 %		Agg Incl	175.7		0876.8
Flow Rate	180	Actual A/C	07.9 %		Agg Total	171.3		0859.5
					Total Flow	188.44		

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	084.0	000.1	087.1	0952.48
0000.0	0000.0	0000.0	0000.0	0004.3	0422.0	0000.9	0432.3	

					+ A/C	11.18		076.24
Running	Set Points	Mix 2			Add #1	0.000		00.000
					Filler	00.00		000.00
% A/C	06.0	Date	05/13/92		Add #2	00.00		000.00
% A/C Rcyl	0.0	Time	14:34					
		Type	00021111		Rcyl Incl	000.0		0000.0
% Add #1	0.00	Begin Delay	140		Rcyl Total	000.0		0000.0
% Filler	0.0	End Delay	130		A/C Rcyl			000.00
% Add #2	0.0	Ticket Time	003		Rcyl	00.0 %		
Current Rate	180	New A/C	07.9 %		Agg Incl	170.6		0885.4
Flow Rate	180	Actual A/C	07.9 %		Agg Total	170.0		0868.0
					Total Flow	184.19		

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.2	082.9	000.0	086.9	0961.64
0000.0	0000.0	0000.0	0000.0	0004.3	0426.2	0000.9	0436.6	

					- A/C	10.77		076.79
Running	Set Points	Mix 2			Add #1	0.000		00.000
					Filler	00.00		000.00
% A/C	06.0	Date	05/13/92		Add #2	00.00		000.00
% A/C Rcyl	0.0	Time	14:37					
		Type	00021111		Rcyl Incl	000.0		0000.0
% Add #1	0.00	Begin Delay	140		Rcyl Total	000.0		0000.0
% Filler	0.0	End Delay	130		A/C Rcyl			000.00
% Add #2	0.0	Ticket Time	003		Rcyl	00.0 %		
Current Rate	180	New A/C	07.9 %		Agg Incl	173.3		0894.1
Flow Rate	180	Actual A/C	07.9 %		Agg Total	172.1		0876.6
					Total Flow	184.15		

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %
AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	00.0%	00.0%	00.0%	00.0%	00.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.8	083.6	000.0	086.7	0970.89
0000.0	0000.0	0000.0	0000.0	0004.3	0430.4	0000.9	0441.0	

- A/C	11.08	077.34
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	176.0	0902.8
Agg Total	171.4	0885.3
Total Flow	186.40	

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 14:40
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 07.8 %
Actual A/C 07.8 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	001.3	083.5	000.2	086.4	0980.14
0000.0	0000.0	0000.0	0000.0	0004.4	0434.6	0001.0	0445.3	

- A/C	11.27	077.90
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	175.7	0911.6
Agg Total	172.1	0893.9
Total Flow	186.98	

Running Set Points Mix 2

% A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/13/92
Time 14:43
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 07.8 %
Actual A/C 07.8 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.9	083.8	000.3	086.8	0989.50
0000.0	0000.0	0000.0	0000.0	0004.4	0438.7	0001.0	0449.7	

- A/C	11.09	078.47
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Rcyl Incl	000.0	0000.0
Rcyl Total	000.0	0000.0
A/C Rcyl		000.00
Rcyl	00.0 %	
Agg Incl	175.3	0920.[illegible]

Running Set Points Mix 2

A/C 06.0
% A/C Rcyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180

Date 05/13/92
Time 14:46
Type 00021111
Begin Delay 140
End Delay 130
Ticket Time 003
New A/C 07.8 %

Total Flow 186.00

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	22.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
1.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
0000.0	0000.0	0000.0	0000.0	0000.0	0883.5	0000.3	0886.8	0999.97
00000.0	00000.0	00000.0	00000.0	00004.5	0443.0	0001.0	0454.0	

+ A/C	11.42	079.03
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	00000.0
Royl Total	000.0	00000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	176.8	0929.2
Agg Total	171.1	0911.0
Total Flow	187.90	

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 190
Flow Rate 180

Date 05/13/92
Time 14:49
Type 00021111
Begin Delay 140
End Delay 150
Ticket Time 203
New A/C 07.0 %
Actual A/C 07.0 %

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
0000.0	0000.0	0000.0	0000.0	0000.2	0884.5	0000.2	0887.2	1008.23
00000.0	00000.0	00000.0	00000.0	00004.5	0447.1	0001.0	0458.4	

- A/C	11.51	079.59
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	176.4	0930.1
Agg Total	171.2	0919.5
Total Flow	188.77	

Running Set Points Mix 2

% A/C 06.0
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 150
Flow Rate 180

Date 05/13/92
Time 14:52
Type 00021111
Begin Delay 140
End Delay 150
Ticket Time 203
New A/C 07.0 %
Actual A/C 07.0 %

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
0000.0	0000.0	0000.0	0000.0	0000.1	0883.9	0000.1	0887.0	1017.69
00000.0	00000.0	00000.0	00000.0	00004.5	0451.3	0001.0	0462.7	

+ A/C	11.24	080.15
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00

Running Set Points Mix 2

% A/C 06.0

Date 05/13/92

	Type [illegible]		Rcyl Incl	000.0	0000.0
% Add #1 0.00	Begin Delay 140		Rcyl Total	000.0	0000.0
% Filler 0.0	End Delay 130		A/C Rcyl		000.00
% Add #2 0.0	Ticket Time 003		Rcyl	00.0 %	
Current Rate 180	New A/C 07.5 %		Agg Incl	177.2	0946.9
Flow Rate 180	Actual A/C 07.5 %		Agg Total	170.3	0928.1
			Total Flow	189.27	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	084.8	000.2	087.2	1027.05
0000.0	0000.0	0000.0	0000.0	0004.5	0455.5	0001.0	0467.1	

+ A/C	11.10	080.72

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 14:58	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 07.7 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 07.7 %	Agg Incl	174.9	0955.6
		Agg Total	172.1	0936.6
		Total Flow	184.89	

Moistures

.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	083.9	000.3	085.5	1036.22
0000.0	0000.0	0000.0	0000.0	0004.5	0459.7	0001.0	0471.4	

- A/C	11.15	081.27

Running Set Points Mix 2

% A/C 06.0	Date 05/13/92	Add #1	0.000	00.000
% A/C Rcyl 0.0	Time 15:01	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 140	Rcyl Incl	000.0	0000.0
% Filler 0.0	End Delay 130	Rcyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 003	A/C Rcyl		000.00
Current Rate 180	New A/C 07.7 %	Rcyl	00.0 %	
Flow Rate 180	Actual A/C 07.7 %	Agg Incl	174.5	0964.3
		Agg Total	170.5	0945.2
		Total Flow	186.48	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	02.1 %	00.0 %	05.0 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	49.0%	00.0%	51.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	083.9	000.0	087.1	1045.57
0000.0	0000.0	0000.0	0000.0	0004.5	0463.8	0001.0	0475.8	

Hemeon Associates, Inc. report of 6-26-92
to Lindy Paving, Inc., East Brook, PA

PROCESS DATA FROM

MAY 14, 1992

00.0%	00.0%	06.2%	[illegible]	[illegible]	[illegible]	06.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	159.3	000.3	020.5	0061.60
0000.0	0000.0	0000.0	0000.0	0000.0	2550.4	0000.2	0006.6	

+ A/C 08.87 003.16

Running Set Points Mix 4

% A/C 04.6	Date 05/14/92	Add #1	0.000	00.000
% A/C Royl 0.0	Time 06:51	Filler	00.00	000.00
	Type 0002111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 180	Royl Incl	000.0	0000.0
% Filler 0.0	End Delay 150	Royl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 005	A/C Royl		000.00
Current Rate 190	New A/C 01.2 %	Royl	00.0 %	
Flow Rate 190	Actual A/C 04.0 %	Agg Incl	194.1	0075.2
		Agg Total	182.2	0072.6
		Total Flow	203.38	

Moisures

00.0 %	00.0 %	00.2 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	88.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	159.6	000.5	020.5	0078.36
0000.0	0000.0	0000.0	0000.0	0000.0	0063.7	0000.2	0008.3	

+ A/C 08.60 003.93

Running Set Points Mix 4

% A/C 04.6	Date 05/14/92	Add #1	0.000	00.000
% A/C Royl 0.0	Time 06:56	Filler	00.00	000.00
	Type 0002111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 190	Royl Incl	000.0	0000.0
% Filler 0.0	End Delay 180	Royl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 005	A/C Royl		000.00
Current Rate 190	New A/C 04.1 %	Royl	00.0 %	
Flow Rate 190	Actual A/C 04.1 %	Agg Incl	191.3	0091.0
		Agg Total	180.9	0087.9
		Total Flow	202.38	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	88.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	159.3	000.3	020.5	0094.93
0000.0	0000.0	0000.0	0000.0	0000.0	0077.0	0000.3	0010.0	

+ A/C 09.03 004.70

Running Set Points Mix 4

A/C 04.6	Date 05/14/92	Add #1	0.000	00.000
% A/C Royl 0.0	Time 07:01	Filler	00.00	000.00
	Type 0002111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 180	Royl Incl	000.0	0000.0
% Filler 0.0	End Delay 170	Royl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 005	A/C Royl		000.00
Current Rate 190	New A/C [illegible] %	Royl	00.0 %	
		Agg Incl	189.4	0106.4

Total Flow 201.19

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	88.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.7	159.8	000.5	020.7	0111.50
0000.0	0000.0	0000.0	0000.0	0000.5	0254.5	0000.3	0011.7	

+ A/C	08.67	005.45
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Recyl Incl	000.0	0000.0
Recyl Total	000.0	0000.0
A/C Recyl		000.00
Recyl	00.0 %	
Agg Incl	188.2	0122.2
Agg Total	181.9	0118.1
Total Flow	196.14	

Running Set Points Mix 4

% A/C 04.6
% A/C Recyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 190
Flow Rate 190

Date 05/14/92
Time 07:06
Type 00021111
Begin Delay 120
End Delay 120
Ticket Time 005
New A/C 04.2 %
Actual A/C 04.2 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	88.0%	00.0%	12.0%	Mix Total
0.0	000.0	000.0	000.0	201.3	159.9	000.3	020.5	0127.65
0000.0	0000.0	0000.0	0000.0	0000.5	0103.6	0000.4	0013.5	

+ A/C	08.75	006.19
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Recyl Incl	000.0	0000.0
Recyl Total	000.0	0000.0
A/C Recyl		000.00
Recyl	00.0 %	
Agg Incl	185.1	0137.7
Agg Total	182.5	0133.2
Total Flow	192.71	

Running Set Points Mix 5

% A/C 04.6
% A/C Recyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 190
Flow Rate 190

Date 05/14/92
Time 07:11
Type 00021111
Begin Delay 120
End Delay 120
Ticket Time 005
New A/C 04.3 %
Actual A/C 04.3 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	88.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.9	160.0	000.5	020.9	0143.59
0000.0	0000.0	0000.0	0000.0	0000.7	0116.9	0000.4	0015.2	

+ A/C	08.99	006.94
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00

Running Set Points Mix 4

% A/C 04.6

Date 05/14/92

		Type [illegible]	Agg Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 15[illegible]	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 18[illegible]	A/C Royl		000.00
% Add #2	0.0	Ticket Time 005	Royl	00.0 %	
Current Rate	190	New A/C 04.3 %	Agg Incl	182.3	0153.3
Flow Rate	190	Actual A/C 04.2 %	Agg Total	181.5	0148.4
			Total Flow	190.99	

--Moistures--

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 01.9 % 06.5 % 06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	04.0%	00.0%	52.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.1	159.6	000.3	020.5	0160.13
0000.0	0000.0	0000.0	0000.0	0000.5	0130.2	0000.5	0016.9	

	+ A/C	08.72	007.66
Running Set Points Mix 4	Add #1	0.000	00.000
	Filler	00.00	000.00
% A/C 04.6 Date 05/14/93	Add #2	00.00	000.00
% A/C Royl 0.0 Time 07:21			
Type 00021111	Royl Incl	000.0	0000.0
% Add #1 0.00 Begin Delay 150	Royl Total	000.0	0000.0
% Filler 0.0 End Delay 120	A/C Royl		000.00
% Add #2 0.0 Ticket Time 005	Royl	00.0 %	
Current Rate 150 New A/C 04.3 %	Agg Incl	178.0	0160.4
Flow Rate 150 Actual A/C 04.3 %	Agg Total	171.5	0163.3
	Total Flow	187.59	

--Moistures--

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 01.9 % 06.5 % 06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	52.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.6	149.4	001.1	020.4	0176.08
0000.0	0000.0	0000.0	0000.0	0000.9	0143.1	0000.5	0015.7	

	- A/C	08.44	008.39
Running Set Points Mix 4	Add #1	0.000	00.000
	Filler	00.00	000.00
% A/C 04.6 Date 05/14/93	Add #2	00.00	000.00
% A/C Royl 0.0 Time 07:26			
Type 00021111	Royl Incl	000.0	0000.0
% Add #1 0.00 Begin Delay 150	Royl Total	000.0	0000.0
% Filler 0.0 End Delay 120	A/C Royl		000.20
% Add #2 0.0 Ticket Time 005	Royl	00.0 %	
Current Rate 180 New A/C 04.3 %	Agg Incl	171.8	0183.0
Flow Rate 180 Actual A/C 04.3 %	Agg Total	171.3	0177.5
	Total Flow	183.02	

--Moistures--

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 01.9 % 06.5 % 06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	55.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.7	149.4	001.3	020.8	0191.29
0000.0	0000.0	0000.0	0000.0	0000.5	0155.7	0000.6	0020.4	

+ A/C	08.52	009.10

Running Set Points Mix 9

% A/C 04.5
% A/C Royl 0.0

Date 05/14/92
Time 07:31
Type 00021111
Begin Delay 180
End Delay 120
Ticket Time 005

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

New A/C 04.4 %
Actual A/C 04.4 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	171.5	0197.7
Agg Total	174.6	0192.1
Total Flow	183.10	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 01.9 % 06.5 % 06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	39.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.0	150.2	001.1	020.9	0206.69
0000.0	0000.0	0000.0	0000.0	0001.0	0160.3	0000.7	0022.1	

+ A/C	08.39	009.20

Running Set Points Mix 9

% A/C 04.6
% A/C Royl 0.0

Date 05/14/92
Time 07:26
Type 00021111
Begin Delay 180
End Delay 120
Ticket Time 005

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

New A/C 04.4 %
Actual A/C 04.3 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	177.3	0212.2
Agg Total	174.4	0200.5
Total Flow	185.32	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.0 % 01.9 % 06.5 % 06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	03.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.0	151.8	001.2	020.4	0222.00
0000.0	0000.0	0000.0	0000.0	0001.0	0160.9	0000.8	0023.5	

+ A/C	08.72	010.51

Running Set Points Mix 9

% A/C 04.5
% A/C Royl 0.0

Date 05/14/92
Time 07:42
Type 00021111
Begin Delay 180
End Delay 120
Ticket Time 005

% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

New A/C 04.4 %
Actual A/C 04.4 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	179.2	0226.8
Agg Total	174.3	0221.1
Total Flow	187.30	

Moistures

00.0 % 00.0 % 00.0 % 00.0 % 00.5 % 01.9 % 06.5 % 05.2 %

AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	00.0%	00.0%	[illegible]	[illegible]	[illegible]	00.0%	11.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	151.8	001.1	020.4	0237.31
0000.0	0000.0	0000.0	0000.0	0001.1	0193.5	0000.9	0025.6	

+ A/C	08.05	011.21

Running Set Points Mix 4

% A/C 04.6	Date 05/14/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 07:45	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 100	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 120	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 005	A/C Recyl		000.00
Current Rate 180	New A/C 04.4 %	Recyl	00.0 %	
Flow Rate 180	Actual A/C 04.4 %	Agg Incl	179.6	0241.4
		Agg Total	174.2	0235.6
		Total Flow	186.54	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	28.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.7	151.5	001.2	020.8	0252.61
0000.0	0000.0	0000.0	0000.0	0001.7	0206.1	0001.0	0027.3	

+ A/C	08.59	011.91

Running Set Points Mix 4

% A/C 04.6	Date 05/14/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 07:51	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 100	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 120	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 005	A/C Recyl		000.00
Current Rate 180	New A/C 04.4 %	Recyl	00.0 %	
Flow Rate 180	Actual A/C 04.4 %	Agg Incl	171.8	0255.9
		Agg Total	173.7	0249.9
		Total Flow	180.44	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	28.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.3	151.3	001.3	020.4	0237.81
0000.0	0000.0	0000.0	0000.0	0001.3	0210.7	0001.1	0029.0	

+ A/C	08.28	012.61

Running Set Points Mix 4

A/C 04.6	Date 05/14/92	Add #1	0.000	00.000
% A/C Recyl 0.0	Time 07:56	Filler	00.00	000.00
	Type 00021111	Add #2	00.00	000.00
% Add #1 0.00	Begin Delay 100	Recyl Incl	000.0	0000.0
% Filler 0.0	End Delay 120	Recyl Total	000.0	0000.0
% Add #2 0.0	Ticket Time 005	A/C Recyl		000.00
Current Rate 180	New A/C 04.4 %	Recyl	00.0 %	
		Agg Incl	173.4	0270.[illegible]

Total Flow 180.13

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.8 %	01.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	80.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	001.2	150.7	001.1	020.7	0283.01
0000.0	0000.0	0000.0	0000.0	0001.5	0231.2	0001.2	0030.7	

A/C 08.29 013.32

Running Set Points Mix 4

% A/C 04.6
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/14/92
Time 08:01
Type 00021111
Begin Delay 180
End Delay 120
Ticket Time 005
New A/C 04.4 %
Actual A/C 04.4 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	175.8	0285.0
Agg Total	175.7	0279.0
Total Flow	187.95	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.8 %	01.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	80.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	151.0	001.2	020.6	0298.32
0000.0	0000.0	0000.0	0000.0	0001.4	0243.8	0001.3	0032.5	

A/C 08.31 014.03

Running Set Points Mix 4

% A/C 04.6
% A/C Royl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 180

Date 05/14/92
Time 08:06
Type 00021111
Begin Delay 180
End Delay 120
Ticket Time 005
New A/C 04.4 %
Actual A/C 04.4 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	177.3	0299.7
Agg Total	175.0	0293.6
Total Flow	186.80	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.8 %	01.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	80.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.0	000.0	151.4	001.3	020.3	0313.73
0000.0	0000.0	0000.0	0000.0	0001.5	0256.4	0001.4	0034.2	

A/C 08.43 014.73

Running Set Points Mix 4

% A/C 04.6

Date 05/14/92

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00

		Type [illegible]	Royl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay 100	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 120	A/C Royl		000.00
% Add #2	0.0	Ticket Time [illegible]	Royl	00.0 %	
Current Rate	190	New A/C [illegible] %	Agg Incl	173.8	0314.1
Flow Rate	180	Actual A/C [illegible] %	Agg Total	174.3	0308.0
			Total Flow	184.19	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	41.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	[illegible]	[illegible]	30.0%	00.0%	12.0%	Mix Total
0000.0	0000.0	0000.0	0000.0	[illegible]	151.3	0001.2	0020.7	0325.83
00000.0	00000.0	00002.0	20000.0	[illegible]	0165.0	0001.5	0035.9	

A/C	08.71	015.43

Running Set Points Mix 4

			Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	04.6	Date 05/14/92	Add #2	00.00	000.00
% A/C Royl	0.0	Time 05:15			
		Type [illegible]	Royl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay [illegible]	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 120	A/C Royl		000.00
% Add #2	0.0	Ticket Time [illegible]	Royl	00.0 %	
Current Rate	180	New A/C 04.4 %	Agg Incl	173.0	0328.9
Flow Rate	150	Actual A/C 04.4 %	Agg Total	174.5	0322.5
			Total Flow	183.30	

Moistures

[illegible].0 %	00.0 %	00.0 %	[illegible] %	00.0 %	21.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	20.0%	30.0%	00.0%	12.0%	Mix Total
0000.0	0000.0	0000.0	[illegible]	[illegible]	151.5	0001.1	0020.8	0344.12
00000.0	00000.0	00000.0	[illegible]	0001.6	0181.7	0001.6	0037.6	

A/C	06.48	016.13

Running Set Points Mix 4

			Add #1	0.000	00.000
			Filler	00.00	000.00
% A/C	04.6	Date 05/14/92	Add #2	00.00	000.00
% A/C Royl	0.0	Time 06:21			
		Type [illegible]	Royl Incl	000.0	0000.0
% Add #1	0.00	Begin Delay [illegible]	Royl Total	000.0	0000.0
% Filler	0.0	End Delay 120	A/C Royl		000.00
% Add #2	0.0	Ticket Time [illegible]	Royl	00.0 %	
Current Rate	180	New A/C [illegible] %	Agg Incl	176.5	0343.2
Flow Rate	180	Actual A/C [illegible] %	Agg Total	173.7	0337.0
			Total Flow	184.23	

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	20.8 %	21.9 %	06.5 %	06.2 %

AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	20.0%	30.0%	00.0%	12.0%	Mix Total
0000.0	0000.0	0000.0	0000.0	[illegible]	151.4	0000.9	0020.5	0359.32
00000.0	00000.0	00000.0	[illegible]	[illegible]	[illegible]	0001.7	0039.4	

+ A/C	08.32	016.83
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	175.3	0357.7
Agg Total	173.7	0351.5
Total Flow	183.68	

Running Set Points Mix 4

% A/C 04.6
% A/C Royl 0.0

Date 05/14/92
Time 06:06
Type 00021111
Begin Delay 180
End Delay 180
Ticket Time 025

Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 190

New A/C 04.5 %
Actual A/C 04.4 %

Moistures

00.0 %	00.0 %	00.0 %	02.0 %	00.5 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	02.0%	00.5%	32.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.5	152.5	001.2	020.4	0374.53
0000.0	0000.0	0000.0	0000.0	0001.9	0326.8	0001.8	0041.1	

+ A/C	08.47	017.53
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	178.0	0376.4
Agg Total	174.7	0356.1
Total Flow	185.40	

Running Set Points Mix 4

% A/C 04.6
% A/C Royl 0.0

Date 05/14/92
Time 08:31
Type 00021111
Begin Delay 190
End Delay 190
Ticket Time 002

Add #1 0.00
Filler 0.0
% Add #2 0.0
Current Rate 180
Flow Rate 190

New A/C 04.4 %
Actual A/C 04.4 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	Mix Total
00.0%	00.0%	00.0%	00.0%	00.0%	33.0%	00.0%	12.0%	
000.0	000.0	000.0	000.0	000.0	158.8	001.2	020.2	0389.52
0000.0	0000.0	0000.0	0000.0	0001.9	0519.5	0001.9	0042.8	

- A/C	09.07	018.25
Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Royl Incl	000.0	0000.0
Royl Total	000.0	0000.0
A/C Royl		000.00
Royl	00.0 %	
Agg Incl	180.4	0387.5
Agg Total	183.7	0381.2
Total Flow	189.90	

Running Set Points Mix 4

% A/C 04.6
% A/C Royl 0.0

Date 05/14/92
Time 09:36
Type 00021111
Begin Delay 180
End Delay 174
Ticket Time 005

% Add #1 0.00
% Filler 0.0
Add #2 0.0
Current Rate 190
Flow Rate 190

New A/C 04.4 %
Actual A/C 04.4 %

Moistures

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %
AGG	AGG	AGG	AGG	AGG	AGG	AGG	AGG

00.0%	00.0%	00.0%	[illegible]	[illegible]	[illegible]	00.0%	12.0%		Mix Total
000.0	000.0	000.0	[illegible]	[illegible]	152.6	000.4	020.7		0405.75
0000.0	0000.0	0000.0	0000.0	0321.5	0322.7	0002.0	0044.5		

+ A/C 08.87 015.90

Running Set Points Mix 4

% A/C 04.5
% A/C Recyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 190
Flow Rate 190

Date 05/14/92
Time 08:41
Type 00021111
Begin Delay 120
End Delay 120
Ticket Time 00
New A/C 04.5 %
Actual A/C 04.0 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Recyl Incl	000.0	0000.0
Recyl Total	000.0	0000.0
A/C Recyl		000.00
Recyl	00.0 %	
Agg Incl	176.1	0402.7
Agg Total	180.7	0396.3
Total Flow	185.80	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	03.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.5	000.[illegible]	158.9	000.3	020.6	0421.68
0000.0	0000.0	0000.0	0000.0	0000.[illegible]	0346.1	0002.0	0046.2	

+ A/C 08.83 015.72

Running Set Points Mix 4

% A/C 04.6
% A/C Recyl 0.0
% Add #1 0.00
% Filler 0.0
% Add #2 0.0
Current Rate 190
Flow Rate 190

Date 05/14/92
Time 08:46
Type 00021111
Begin Delay 180
End Delay 120
Ticket Time 025
New A/C 04.5 %
Actual A/C 05.5 %

Add #1	0.000	00.000
Filler	00.00	000.00
Add #2	00.00	000.00
Recyl Incl	000.0	0000.0
Recyl Total	000.0	0000.0
A/C Recyl		000.00
Recyl	00.0 %	
Agg Incl	185.5	0417.0
Agg Total	181.3	0411.5
Total Flow	194.35	

Moisture

00.0 %	00.0 %	00.0 %	00.0 %	00.0 %	01.9 %	06.5 %	06.2 %	
AGG 8	AGG 7	AGG 6	AGG 5	AGG 4	AGG 3	AGG 2	AGG 1	
00.0%	00.0%	00.0%	00.0%	00.0%	00.0%	00.0%	12.0%	Mix Total
000.0	000.0	000.0	000.3	000.[illegible]	159.5	000.3	020.5	0437.52
0000.0	0000.0	0000.0	0000.0	0000.[illegible]	0353.4	0002.0	0048.0	