Background Report Reference

AP-42 Section Number: 10.6.1

Background Report Section: 4

Reference Number: 88

Title: Air Emission Test Results, June 1994 Louisiana Pacific Canada LTD, Dawson Creek, B C

N. R. McCall & Associates
Environmental Consultants, Ltd.

August 1994

4-88)

LOUISIANA PACIFIC CANADA LTD.

MILE 3, ALASKA HIGHWAY

DAWSON CREEK, B.C.

JUNE 20-22, 1994

FILE NUMBER M94-055

MCCALL 694

N.R.McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

1015 GLEN FOREST WAY, RR 1, VICTORIA, B.C. V9B 5T7 PHONE & FAX: (604) 478-0902

August 15, 1994

Louisiana Pacific Canada Ltd.
P.O. Box 2338, Mile 3, Alaska Highway
Dawson Creek, B.C.
V1G 4P2

Attention: Mr. Bill Nylund

Dear Bill:

Reference: Air Emission Test Results - June 1994

Please find enclosed four copies of the test results from the test program completed June 1994. The lab analysis for the MDI isocyanates is expected shortly and will be sent at a later date.

1. TEST METHODS

The following test methods were used exclusively in the test program:

Formaldehyde - E.P.A Method 0011

Phenols - E.P.A. Method 0010

MDI 2,4 Toluene Disocynate - Proposed Method developed by EPA Research Triangle Park, N.C.

Particulate & Condensible Organics - EPA Modified Method 5 Train (State of Oregon developed the method).

Total Particulate - M.O.E. Reference Method 5

2. TEST LOCATIONS & TEST REQUIREMENTS

Core Wood Wafer Dryer

Condensible Organics
Formaldehyde
Hydrogen Cyanide

Blender Area Baghouse

MDI Isocyanates
Phenols
Formaldehyde

Press Vent

Formaldehyde
MDI Isocyanates

Konus Kessel

Total Particulate

3. TEST RESULTS

The results are summarized in the following tables, and if you have any questions concerning the test results, please contact us at your convenience.

Yours truly,

N.R. MCCALL & ASSOCIATES LTD.

Neil McCall

Neil M^{c}Call

Louisiana Pacific Canada Ltd.
Dawson Creek B.C.

1. CORE WOOD WAFER DRYER

Summary of Test Results -Condensible Organics

	Test 1	Test 2	Average
Gas Temperature (^{o}C.)	61	60	61
Gas Moisture %	24.2	22.0	23.1
Gas Velocity (m/sec)	19.7	19.3	19.5
Dry Gas Flow Rate Std. Conditions (m^3/sec)	18.0	18.1	18.1
Concentration (mg/m^3)			
Total Particulate inc. Condensibles	91.3	82.3	86.8
Front	30.69	20.13	25.41
Back (Condensibles)	60.62	62.17	61.40
Total Mass Emission Rate (kg/hr)	5.91	5.37	5.64

Method Blank - 0.0005 gm

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Dawson Creek B.C.

1. CORE WOOD WAFER DRYER cont,d

Summary of Test Results -Formaldehyde

	Test 1	Test 2	Average
Gas Temperature (^{O}C.)	62	61	62
Gas Moisture %	22.5	24.8	23.7
Gas Velocity (m/sec)	19.3	19.4	19.4
Dry Gas Flow Rate Std. Conditions (m^3/sec)	18.0	17.6	17.8
Concentration (mg/m^3)	0.67	1.2	0.94
Total Mass Emission Rate (kg/hr)	0.04	0.08	0.06

Minimum detectable limit 0.03ug

Trip Blank 26ug

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1. CORE WOOD WAFER DRYER cont,d

Summary of Test Results -Hydrogen Cyanide

	Test 1	**Test 2**	**Average**
Gas Temperature (^{O}C.)	59	61	60
Gas Moisture %	21.1	25.3	23.2
Gas Velocity (m/sec)	19.6	19.7	19.7
Dry Gas Flow Rate Std. Conditions (m^3/sec)	18.8	17.7	18.3
Concentration (mg/m^3)	0.079	0.073	0.076
Total Mass Emission Rate (kg/hr)	0.005	0.005	0.005

Minimum detectable limit 0.001 mg/l

Method Blank <0.001 mg/l

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2. BLENDER AREA BAGHOUSE

Summary of Test Results -Phenols

	Test 1	Test 2	Average
Gas Temperature (^{O}C.)	28	30	29
Gas Moisture %	1.2	0.9	1.0
Gas Velocity (m/sec)	22.0	22.5	22.2
Dry Gas Flow Rate Std. Conditions (m^3/sec)	9.9	10.1	10.0
Concentration (mg/m^3)	6.93	5.2	6.07
Total Mass Emission Rate (kg/hr)	0.25	0.19	0.22

Method Blank 0.0 ug

Field Blank 0.36 ug

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2. BLENDER AREA BAGHOUSE cont,d

Summary of Test Results -Formaldehyde

	Test 1	Test 2	Average
Gas Temperature (^{O}C.)	34	34	34
Gas Moisture %	1.2	2.3	1.8
Gas Velocity (m/sec)	22.1	22.2	22.2
Dry Gas Flow Rate Std. Conditions (m^3/sec)	9.9	9.7	9.8
Concentration (mg/m^3)	0.7	1.08	0.89
Total Mass Emission Rate (kg/hr)	0.02	0.04	0.03

Minimum detectable limits 0.03 ug

Trip Blank 26 ug

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Dawson Creek B.C.

4. KONUS KESSEL BURNER

Summary of Test Results -Total Particulate

	Test 1	Test 2	Average
Gas Temperature (^{O}C.)	202	205	203
Gas Moisture %	8.8	9.2	9.0
Gas Velocity (m/sec)	10.0	9.6	9.8
Dry Gas Flow Rate Std. Conditions (m^3/sec)	12.1	11.5	11.8
Total Particulate Concentration			
Actual Dry Basis (mg/m^3)	92.7	102.8	97.7
Corr. to 12% CO_2 (mg/m^3)	278.2	308.3	293.2
Total Mass Emission Rate (kg/hr)	4.0	4.3	4.2

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3. PRESS VENT

Summary of Test Results -Formaldehyde

	Test 1	Test 2	Average
Gas Temperature (^{o}C.)	43	44	44
Gas Moisture %	0.0	0.0	0.0
Gas Velocity (m/sec)	12.9	12.9	12.9
Dry Gas Flow Rate Std. Conditions (m^3/sec)	23.8	23.7	23.8
Concentration (mg/m^3)	0.54	1.61	1.08
Total Mass Emission Rate (kg/hr)	0.05	0.14	0.10

Minimum detectable limits 0.03 ug

Trip Blank 26 ug

Test Data- CORE WOOD WAFER DRYER

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S.F.B. DRYER - CONDENSIBLES

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 20 1994

FIELD MEASUREMENT DATA :		
Gas Temperature	140.7 deg F	60.4 deg C
Moisture Content (by volume)	23.1 %	23.1 %
Average Stack Gas Velocity	63.8 ft/sec	19.5 m/sec
Total Actual Gas Flow Rate	60,903 ACFM	--
Gas Flow Rate Reference Conditions	49,986 SCFM	23.6 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0378 gr/SCF	86.46 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0921 gr/SCF	210.80 mg/cubic meter
Wet Basis, Actual	0.0591 lb/1000lb	0.0591 kg/1000kg
Wet Basis at 50 excess air	0.0906 lb/1000lb	0.0906 kg/1000kg
PARTICULATE FROM FRONT HALF OF TRAIN		
Dry Basis, Actual	3.6 lbs/hr	1.7 kg/hr
Wet Basis, Actual	0.0173 lb/1000lb	0.0173 kg/1000kg
Wet Basis at 50 excess air	0.0284 lb/1000lb	0.0284 kg/1000kg

Neil McCall
ENVIRONMENTAL CONSULTANTS LTD.
N.R. McCALL & ASSOCIATES

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E.F.B. DRYER - CONDENSIBLES

Summary of Air Emission Tests of JUNE 20 1994

TEST 1 :

Gas Temperature	141.0 deg F	60.6 deg C
Moisture Content (by volume)	24.2 %	24.2 %
Average Stack Gas Velocity	64.5 ft/sec	19.7 m/sec
Total Actual Gas Flow Rate	61,533 ACFM	--
Gas Flow Rate Reference Conditions	50,469 SCFM	23.8 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0397 gr/SCF	90.93 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.1589 gr/SCF	363.72 mg/cubic meter
Wet Basis, Actual	0.0630 lb/1000lb	0.0630 kg/1000kg
Wet Basis at 50 excess air	0.1363 lb/1000lb	0.1363 kg/1000kg

PARTICULATE FROM FRONT HALF OF TRAIN

Dry Basis, Actual	4.4 lbs/hr	2.0 kg/hr
Wet Basis, Actual	0.0212 lb/1000lb	0.0212 kg/1000kg
Wet Basis at 50 excess air	0.0458 lb/1000lb	0.0458 kg/1000kg

TEST 2 :

Gas Temperature	140.3 deg F	60.1 deg C
Moisture Content (by volume)	22.0 %	22.0 %
Average Stack Gas Velocity	63.2 ft/sec	19.3 m/sec
Total Actual Gas Flow Rate	60,273 ACFM	--
Gas Flow Rate Reference Conditions	49,502 SCFM	23.4 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0358 gr/SCF	81.99 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0253 gr/SCF	57.88 mg/cubic meter
Wet Basis, Actual	0.0551 lb/1000lb	0.0551 kg/1000kg
Wet Basis at 50 excess air	0.0449 lb/1000lb	0.0449 kg/1000kg

PARTICULATE FROM FRONT HALF OF TRAIN

Dry Basis, Actual	2.9 lbs/hr	1.3 kg/hr
Wet Basis, Actual	0.0135 lb/1000lb	0.0135 kg/1000kg
Wet Basis at 50 excess air	0.0110 lb/1000lb	0.0110 kg/1000kg

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GAS FLOW AND PARTICULATE MONITORING — TEST 1

JOB NUMBER :	M94-055
CLIENT :	LOUISIANA PACIFIC CANADA LTD.
PLANT LOCATION :	DAWSON CREEK B.C.
Process :	E.F.B. DRYER - CONDENSIBLES
Plant Licence Number :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 20 1994
Test Start Time :	12:40 P.M.
Test Stop Time :	1:46 P.M.
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	141 deg F	61 deg C
Moisture Content	24.2 %	24.2 %
Average Stack Gas Velocity	64.5 ft/sec	19.7 m/sec
Total Actual Gas Flow Rate	61,533 ACFM	--
Gas Flow Rate Reference Conditions	50,469 SCFM	23.8 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.1589 gr/SCF	363.72 mg/cubic meter
Particulate Emission Rate	4.4 lbs/hr	2.0 kg/hr

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TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	15.90 square feet
PB	Barometric Pressure	27.80 inches Hg
PS	Pressure in Duct or Stack	27.83 inches Hg
VM	Dry Gas Meter Volume	30.60 cubic feet
WE	Weight of Condensate Collected	180.0 grams
WSG	Weight of Moisture in Silica Gel	8.0 grams
WF	Weight of Filter Particulate	0.0236 grams
WFL	Weight of Cyclone Particulate	0.0001 grams
WW	Weight of Washings	0.0005 grams
WTI	Weight of impinger catch	0.0478 grams
NT	Total Number of Sample Points	20
CP	Type-S Pitot Tube Coefficient	0.8674
DN	Diameter of Nozzle Tip	0.1820 inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured
CO	0.00010
CO2	3.00000
O2	17.00000
N2	80.00000
H2O	

GAS ANALYSIS (VOLUME % WET BASIS)

	Measured
CO	0.000076
CO2	2.274910
O2	12.891160
N2	60.664270
H2O	24.16966

PERCENT OF EXCESS AIR IN FLUE GAS 412.615

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SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-10	0.860	0.660	70	70	145	505.53
A-9	0.870	0.750	86	72	141	506.92
A-8	0.900	0.770	92	72	141	508.38
A-7	0.920	0.800	98	74	141	509.86
A-6	0.950	0.830	102	76	140	511.35
A-5	1.050	0.920	104	76	141	512.88
A-4	0.950	0.840	106	78	142	514.49
A-3	0.900	0.800	108	78	141	516.05
A-2	0.900	0.800	108	80	142	517.57
A-1	0.900	0.800	110	80	140	519.07
B-10	0.900	0.770	88	78	144	520.55
B-9	0.950	0.840	106	82	143	522.05
B-8	1.000	0.880	12	84	141	523.61
B-7	0.970	0.860	114	84	141	525.20
B-6	1.000	0.890	14	86	141	526.79
B-5	1.000	0.900	116	86	140	528.39
B-4	0.920	0.830	117	87	140	529.98
B-3	0.900	0.810	118	88	140	531.54
B-2	0.900	0.810	118	88	139	533.10
B-1	0.880	0.790	120	90	138	534.62
						536.13

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Data for TEST 1 :

DELTA P:	0.9629	ACFM:	61533.36
DELTA H:	0.8175	SCFM:	50469.33
TMAVG:	547.9000	PB:	27.80
TS AVG:	601.0500	VM:	30.60
MC:	1.015	VM(CORR):	31.04
MD:	29.1600	PM:	27.8602
MS:	26.4627	PCON:	0.0397
VMSTD:	27.9582	CORR:	0.1589
BWO:	0.2417	ERAT:	13.0351
USAVG:	64.5004		
FHC(I)	0.3361		

INDIVIDUAL ISOKINETICS

1.	1.087	11.	1.079
2.	1.073	12.	1.070
3.	1.064	13.	1.157
4.	1.051	14.	1.067
5.	1.056	15.	1.160
6.	1.056	16.	1.047
7.	1.073	17.	1.069
8.	1.071	18.	1.079
9.	1.056	19.	1.050
10.	1.038	20.	1.050

VELOCITY OF INDIVIDUAL SAMPLE POINTS (m/sec) TEST 1

1.	18.322	11.	19.417
2.	19.043	12.	19.933
3.	19.369	13.	20.417
4.	19.583	14.	20.108
5.	19.883	15.	20.417
6.	20.921	16.	20.400
7.	19.916	17.	19.567
8.	19.369	18.	19.353
9.	19.385	19.	19.337
10.	19.353	20.	19.105

Overall Isokinetic for TEST 1 : 1.072

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GAS FLOW AND PARTICULATE MONITORING TEST 2

JOB NUMBER :	M94-055
CLIENT :	LOUISIANA PACIFIC CANADA LTD.
PLANT LOCATION :	DAWSON CREEK B.C.
Process :	E.F.B. DRYER - CONDENSIBLES
Plant Licence Number :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 20 1994
Test Start Time :	2:20 P.M.
Test Stop Time :	3:30 P.M.
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	140 deg F	60 deg C
Moisture Content	22.0 %	22.0 %
Average Stack Gas Velocity	63.2 ft/sec	19.3 m/sec
Total Actual Gas Flow Rate	60,273 ACFM	--
Gas Flow Rate Reference Conditions	49,502 SCFM	23.4 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0253 gr/SCF	57.88 mg/cubic meter
Particulate Emission Rate	2.9 lbs/hr	1.3 kg/hr

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DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 3

AS	Cross Section Area of Duct/Stack	15.90 square feet
PB	Barometric Pressure	27.80 inches Hg
PS	Pressure in Duct or Stack	27.83 inches Hg
VM	Dry Gas Meter Volume	31.16 cubic feet
WE	Weight of Condensate Collected	158.0 grams
WSG	Weight of Moisture in Silica Gel	8.0 grams
WF	Weight of Filter Particulate	0.0153 grams
WFL	Weight of Cyclone Particulate	0.0001 grams
WW	Weight of Washings	0.0004 grams
WTI	Weight of impinger catch	0.0488 grams
NT	Total Number of Sample Points	20
CP	Type-S Pitot Tube Coefficient	0.8674
DN	Diameter of Nozzle Tip	0.1620 inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured
CO	0.00010
CO2	17.00000
O2	3.00000
N2	80.00000
H2O	

GAS ANALYSIS (VOLUME % WET BASIS)

	Measured
CO	0.000078
CO2	13.251890
O2	2.338569
N2	62.361840
H2O	22.04770

PERCENT OF EXCESS AIR IN FLUE GAS 16.556

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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H20)	ORIFICE PRESSURE (in H20)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
B-10	0.950	0.830	90	86	141	536.29
B-9	0.950	0.850	106	88	139	537.85
B-8	0.950	0.850	110	90	137	539.41
B-7	1.000	0.900	114	89	138	540.98
B-6	1.000	0.900	116	88	140	542.58
B-5	0.970	0.870	116	89	141	544.17
B-4	0.970	0.870	116	88	139	545.75
B-3	0.950	0.860	118	88	138	547.32
B-2	0.900	0.810	118	88	135	548.89
B-1	0.900	0.820	118	88	134	550.44
A-10	0.850	0.740	98	86	144	551.98
A-9	0.900	0.790	112	86	144	553.44
A-8	1.000	0.890	116	88	144	554.92
A-7	1.050	0.940	118	88	145	556.52
A-6	0.900	0.800	118	88	143	558.17
A-5	0.930	0.830	118	88	143	559.70
A-4	0.950	0.850	118	88	141	561.28
A-3	1.000	0.900	118	88	140	562.85
A-2	0.900	0.900	118	88	140	564.45
A-1	0.850	0.760	118	88	139	566.00
						567.45

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Data for TEST 2 :

DELTA P:	0.9710	ACFM:	60273.26
DELTA H:	0.8480	SCFM:	49501.69
TMAVG:	560.7500	PB:	27.80
TS AVG:	600.2500	VM:	31.16
MC:	1.015	VM(CORR):	31.61
MD:	30.8400	PM:	27.8624
MS:	28.0091	PCON:	0.0356
VMSTD:	27.8197	CORR:	0.0253
BWO:	0.2205	ERAT:	11.3508
USAVG:	63.1795		
FHC(I)	0.2446		

INDIVIDUAL ISOKINETICS

1.	1.080	11.	1.064
2.	1.061	12.	1.035
3.	1.060	13.	1.056
4.	1.053	14.	1.062
5.	1.046	15.	1.061
6.	1.056	16.	1.078
7.	1.048	17.	1.058
8.	1.056	18.	1.051
9.	1.068	19.	1.073
10.	1.060	20.	1.031

VELOCITY OF INDIVIDUAL SAMPLE POINTS (m/sec) TEST 2

1.	19.342	11.	18.342
2.	19.310	12.	18.874
3.	19.278	13.	19.894
4.	19.795	14.	20.403
5.	19.828	15.	18.858
6.	19.545	16.	19.170
7.	19.512	17.	19.342
8.	19.294	18.	19.828
9.	18.732	19.	18.811
10.	18.717	20.	18.266

Overall Isokinetic for TEST 2 : 1.058

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

E.F.B. DRYER HYDROGEN CYANIDE

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 20 1994

FIELD MEASUREMENT DATA :

Gas Temperature	140 deg F	60 deg C
Moisture Content (by volume)	23.2 %	23.2 %
Average Stack Gas Velocity	64.4 ft/sec	19.6 m/sec
Total Actual Gas Flow Rate	61,485 ACFM	--
Standard Gas Flow Rate Reference Conditions	38,702 SCFM	18.3 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

S.F.B. DRYER HYDROGEN CYANIDE

Summary of Air Emission Tests of JUNE 20 1994

TEST 1 :

Gas Temperature	138 deg F	59 deg C
Moisture Content (by volume)	21.1 %	21.1 %
Average Stack Gas Velocity	64.4 ft/sec	19.6 m/sec
Total Actual Gas Flow Rate	61,390 ACFM	--
Standard Gas Flow Rate Reference Conditions	39,827 SCFM	18.8 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :

Gas Temperature	141 deg F	61 deg C
Moisture Content (by volume)	25.3 %	25.3 %
Average Stack Gas Velocity	64.5 ft/sec	19.7 m/sec
Total Actual Gas Flow Rate	61,580 ACFM	--
Standard Gas Flow Rate Reference Conditions	37,577 SCFM	17.7 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

GAS FLOW AND PARTICULATE MONITORING — TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	E.F.B. DRYER HYDROGEN CYANIDE
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 20 1994
Test Start Time :	4:00 P.M.
Test Stop Time :	5:08 P.M.
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	138 deg F	59 deg C
Moisture Content	21.1 %	21.1 %
Average Stack Gas Velocity	64.4 ft/sec	19.6 m/sec
Total Actual Gas Flow Rate	61,390 ACFM	--
Standard Gas Flow Rate Reference Conditions	39,827 SCFM	18.8 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	15.90	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	27.85	inches Hg
VM	Dry Gas Meter Volume	31.03	cubic feet
WE	Weight of Condensate Collected	157.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	20	
CP	Type-S Pitot Tube Coefficient	0.8674	
DN	Diameter of Nozzle Tip	0.1820	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	3.0	
O2	17.0	
N2		80.0

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SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-10	0.900	0.770	84	78	141	567.60
A-9	0.950	0.820	102	80	139	569.09
A-8	0.950	0.840	108	80	139	570.61
A-7	0.950	0.850	110	80	137	572.13
A-6	0.970	0.870	112	81	136	573.71
A-5	1.000	0.900	114	81	135	575.29
A-4	0.950	0.850	114	81	137	576.89
A-3.	0.950	0.850	114	81	137	578.47
A-2	1.000	0.890	114	81	137	580.03
A-1	1.000	0.890	114	81	138	581.62
B-10	0.900	0.790	98	80	141	583.24
B-9	0.920	0.820	112	82	138	584.76
B-8	0.930	0.830	114	82	138	586.28
B-7	0.950	0.850	116	83	139	587.83
B-6	0.900	0.810	116	83	138	589.40
B-5	0.900	0.810	116	83	137	590.93
B-4	0.900	0.810	116	83	138	592.45
B-3	0.920	0.820	116	83	136	593.96
B-2	0.930	0.840	116	83	136	595.51
B-1	0.950	0.850	116	83	137	597.08
						598.63

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Data for TEST 1 :

DELTA P:	0.9699	ACFM:	61390.09
DELTA H:	0.8380	SCFM:	39827.18
TMAVG:	556.2750	PB:	27.80
TS AVG:	597.7000	VM:	31.03
MC:	1.015	VM(CORR):	31.48
MD:	29.1600	PM:	27.8617
MS:	26.8050	PCON:	0.0000
VMSTD:	27.8244	CORR:	0.0000
BWO:	0.2110	ERAT:	0.0000
USAVG:	64.3502		

INDIVIDUAL ISOKINETICS - TEST 1

1.	1.037	11.	1.043
2.	1.010	12.	1.014
3.	1.004	13.	1.027
4.	1.040	14.	1.027
5.	1.026	15.	1.028
6.	1.021	16.	1.020
7.	1.036	17.	1.014
8.	1.023	18.	1.028
9.	1.016	19.	1.036
10.	1.036	20.	1.012

Overall Isokinetic for TEST 1 : 1.025

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GAS FLOW AND PARTICULATE MONITORING TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	E.F.B. DRYER HYDROGEN CYANIDE
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 20 1994
Test Start Time :	5:22 P.M.
Test Stop Time :	6:15 P.M.
On-line Sampling Time :	48 minutes

TEST RESULTS :

Gas Temperature	141 deg F	61 deg C
Moisture Content	25.3 %	25.3 %
Average Stack Gas Velocity	64.5 ft/sec	19.7 m/sec
Total Actual Gas Flow Rate	61,580 ACFM	--
Standard Gas Flow Rate Reference Conditions	37,577 SCFM	17.7 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	15.90	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	27.85	inches Hg
VM	Dry Gas Meter Volume	24.29	cubic feet
WE	Weight of Condensate Collected	156.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CP	Type-S Pitot Tube Coefficient	0.8674	
DN	Diameter of Nozzle Tip	0.1820	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	3.0	
O2	17.0	
N2		80.0

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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H20)	ORIFICE PRESSURE (in H20)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
B-10	0.950	0.820	86	78	140	598.85
B-9	0.920	0.810	104	80	140	600.37
B-8	0.950	0.840	108	81	141	601.88
B-7	0.950	0.850	112	81	139	603.42
B-6	0.950	0.850	114	81	139	604.98
B-5	0.920	0.820	114	81	141	606.54
B-4	0.900	0.800	115	81	142	608.07
B-3	0.900	0.800	115	81	141	609.56
B-2	0.920	0.820	116	82	142	611.05
B-1	0.950	0.850	116	82	144	612.56
A-10	0.950	0.830	92	84	143	614.08
A-9	0.930	0.820	112	82	142	615.67
A-8	0.900	0.800	116	82	142	617.20
A-7	0.900	0.800	116	82	141	618.71
A-6	0.900	0.800	118	83	142	620.20
A-5	0.900	0.800	118	83	142	621.68
						623.14

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Data for TEST 2 :

DELTA P:	0.9614	ACFM:	61580.15
DELTA H:	0.8194	SCFM:	37576.95
TMAVG:	556.1350	PB:	27.80
TS AVG:	601.3125	VM:	24.29
MC:	1.015	VM(CORR):	24.64
MD:	29.1600	PM:	27.8603
MS:	26.3320	PCON:	0.0000
VMSTD:	21.7855	CORR:	0.0000
BWO:	0.2534	ERAT:	0.0000
USAVG:	64.5494		

INDIVIDUAL ISOKINETICS - TEST 2

1.	1.076	9.	1.055
2.	1.067	10.	1.047
3.	1.067	11.	1.116
4.	1.075	12.	1.067
5.	1.073	13.	1.067
6.	1.071	14.	1.052
7.	1.054	15.	1.043
8.	1.054	16.	1.029

Overall Isokinetic for TEST 2 : 1.063

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

E.F.B. DRYER FORMALDEHYDE

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 21 1994

FIELD MEASUREMENT DATA :		
Gas Temperature	143 deg F	62 deg C
Moisture Content (by volume)	23.7 %	23.7 %
Average Stack Gas Velocity	63.5 ft/sec	19.4 m/sec
Total Actual Gas Flow Rate	60,565 ACFM	--
Standard Gas Flow Rate Reference Conditions	37,695 SCFM	17.8 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

E.F.B. DRYER FORMALDEHYDE

Summary of Air Emission Tests of JUNE 21 1994

TEST 1 :

Gas Temperature	143 deg F	62 deg C
Moisture Content (by volume)	22.5 %	22.5 %
Average Stack Gas Velocity	63.4 ft/sec	19.3 m/sec
Total Actual Gas Flow Rate	60,510 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	36,194 SCFM	18.0 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :

Gas Temperature	142 deg F	61 deg C
Moisture Content (by volume)	24.8 %	24.8 %
Average Stack Gas Velocity	63.5 ft/sec	19.4 m/sec
Total Actual Gas Flow Rate	60,620 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	37,196 SCFM	17.6 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

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GAS FLOW AND PARTICULATE MONITORING — TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	E.F.B. DRYER FORMALDEHYDE
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 21 1994
Test Start Time :	9:16 A.M.
Test Stop Time :	10:22 A.M
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	143 deg F	62 deg C
Moisture Content	22.5 %	22.5 %
Average Stack Gas Velocity	63.4 ft/sec	19.3 m/sec
Total Actual Gas Flow Rate	60,510 ACFM	--
Standard Gas Flow Rate Reference Conditions	38,194 SCFM	18.0 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	15.90	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	27.85	inches Hg
Vm	Dry Gas Meter Volume	29.84	cubic feet
WE	Weight of Condensate Collected	162.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	20	
CP	Type-S Pitot Tube Coefficient	0.8646	
DN	Diameter of Nozzle Tip	0.1820	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	3.0	
O2	17.0	
N2		80.0

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SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-10	0.900	0.810	104	104	142	626.28
A-9	0.850	0.750	104	90	146	624.69
A-8	0.850	0.750	106	88	145	626.12
A-7	0.900	0.790	108	86	145	627.55
A-6	0.950	0.840	112	86	144	629.03
A-5	0.950	0.840	114	86	145	630.55
A-4	0.950	0.840	116	86	144	632.09
A-3.	0.900	0.810	118	88	143	633.63
A-2	0.950	0.850	120	88	143	635.13
A-1	0.900	0.810	120	88	142	636.65
B-10	0.850	0.760	112	90	143	638.15
B-9	0.850	0.760	120	90	144	639.59
B-8	0.900	0.810	122	90	143	641.02
B-7	0.900	0.810	123	90	144	642.49
B-6	0.950	0.850	123	90	146	643.99
B-5	0.950	0.850	124	90	143	645.53
B-4	0.970	0.870	124	90	142	647.05
B-3	0.900	0.810	124	90	142	648.62
B-2	0.900	0.810	124	90	141	650.13
B-1	0.850	0.770	124	90	139	651.64
						653.12

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Data for TEST 1 :

DELTA P:	0.9516	ACFM:	60510.23
DELTA H:	0.8095	SCFM:	38193.77
TMAVG:	563.3000	PB:	27.80
TS AVG:	603.8000	VM:	29.84
MC:	1.015	VM(CORR):	30.27
MD:	29.1600	PM:	27.8596
MS:	26.6479	PCON:	0.0000
VMSTD:	26.4216	CORR:	0.0000
BWO:	0.2252	ERAT:	0.0000
USAVG:	63.4279		

INDIVIDUAL ISOKINETICS - TEST 1

1.	0.960	11.	1.015
2.	1.017	12.	1.001
3.	1.017	13.	0.998
4.	1.023	14.	1.018
5.	1.018	15.	1.019
6.	1.030	16.	1.003
7.	1.028	17.	1.024
8.	1.024	18.	1.022
9.	1.008	19.	1.022
10.	1.021	20.	1.028

Overall Isokinetic for TEST 1 : 1.015

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GAS FLOW AND PARTICULATE MONITORING — TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	S.P.B. DRYER FORMALDEHYDE
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / B. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 21 1994
Test Start Time :	11:13 A.M
Test Stop Time :	12:20 P.M
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	142 deg F	61 deg C
Moisture Content	24.8 %	24.8 %
Average Stack Gas Velocity	63.5 ft/sec	19.4 m/sec
Total Actual Gas Flow Rate	60,620 ACFM	--
Standard Gas Flow Rate Reference Conditions	37,196 SCFM	17.6 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 3

AS	Cross Section Area of Duct/Stack	15.90	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	27.85	inches Hg
VM	Dry Gas Meter Volume	30.25	cubic feet
WE	Weight of Condensate Collected	186.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	20	
CP	Type-S Pitot Tube Coefficient	0.8648	
DN	Diameter of Nozzle Tip	0.1820	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	3.0	
O2	17.0	
N2		80.0

N.R. McCALL & ASSOCIATES
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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
B-10	0.850	0.750	100	94	145	653.24
B-9	0.850	0.750	106	90	144	654.69
B-8	0.900	0.800	114	90	143	656.13
B-7	0.920	0.820	118	90	143	657.63
B-6	0.920	0.820	120	90	146	659.16
B-5	0.950	0.850	120	90	146	660.70
B-4	0.950	0.850	120	90	145	662.30
B-3	0.900	0.810	120	90	145	663.86
B-2	0.900	0.810	120	90	144	665.39
B-1	0.850	0.760	120	90	143	666.92
A-10	0.850	0.760	106	92	142	668.39
A-9	0.850	0.760	116	90	142	669.88
A-8	0.850	0.760	120	90	142	671.33
A-7	0.900	0.810	122	90	139	672.78
A-6	0.900	0.810	122	90	140	674.29
A-5	0.900	0.810	122	90	141	675.79
A-4	0.950	0.850	122	90	141	677.30
A-3	0.950	0.860	123	90	140	678.83
A-2	0.950	0.860	123	90	138	680.38
A-1	0.950	0.860	123	91	139	681.93
						683.49

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Data for TEST 2 :

DELTA P:	0.9495	ACFM:	60620.20
DELTA H:	0.8060	SCFM:	37196.31
TMAVG:	564.1000	PB:	27.80
TS AVG:	602.4000	VM:	30.25
MC:	1.015	VM(CORR):	30.69
MD:	29.1600	PM:	27.8595
MS:	26.3933	PCON:	0.0000
VMSTD:	26.7465	CORR:	0.0000
BWO:	0.2479	ERAT:	0.0000
USAVG:	63.5432		

INDIVIDUAL ISOKINETICS - TEST 2

1.	1.057	11.	1.080
2.	1.047	12.	1.043
3.	1.051	13.	1.039
4.	1.057	14.	1.048
5.	1.065	15.	1.041
6.	1.089	16.	1.049
7.	1.061	17.	1.035
8.	1.069	18.	1.047
9.	1.068	19.	1.045
10.	1.055	20.	1.052

Overall Isokinetic for TEST 2 : 1.055

Test Data- BLENDER - BAGHOUSE

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

BAGHOUSE - MDI

Average of Air Emission Tests 1 TO 3 — DATE: JUNE 20 1994

FIELD MEASUREMENT DATA :		
Gas Temperature	82 deg F	28 deg C
Moisture Content (by volume)	0.0 %	0.0 %
Average Stack Gas Velocity	67.6 ft/sec	20.6 m/sec
Total Actual Gas Flow Rate	23,355 ACFM	--
Standard Gas Flow Rate Reference Conditions	19,969 SCFM	9.4 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

BAGHOUSE - MDI

Summary of Air Emission Tests of JUNE 20 1994

TEST 1 :

Gas Temperature	82 deg F	28 deg C
Moisture Content (by volume)	0.0 %	0.0 %
Average Stack Gas Velocity	65.2 ft/sec	19.9 m/sec
Total Actual Gas Flow Rate	22,530 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	19,297 SCFM	9.1 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :

Gas Temperature	82 deg F	28 deg C
Moisture Content (by volume)	0.0 %	0.0 %
Average Stack Gas Velocity	70.0 ft/sec	21.3 m/sec
Total Actual Gas Flow Rate	24,180 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	20,681 SCFM	9.8 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

GAS FLOW AND PARTICULATE MONITORING — TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	BAGHOUSE - MDI
Pollution Control Permit :	N/A

Monitoring Personnel :	N. McCALL/C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100

Date of Test :	JUNE 20 1994
Test Start Time :	1:45 P.M.
Test Stop Time :	2:55 P.M.
On-line Sampling Time :	64 minutes

TEST RESULTS :

Gas Temperature	82 deg F	28 deg C
Moisture Content	0.0 %	0.0 %
Average Stack Gas Velocity	65.2 ft/sec	19.9 m/sec
Total Actual Gas Flow Rate	22,530 ACFM	--
Standard Gas Flow Rate Reference Conditions	19,297 SCFM	9.1 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	5.75	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	26.30	inches Hg
VM	Dry Gas Meter Volume	36.75	cubic feet
WE	Weight of Condensate Collected	0.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CP	Type-S Pitot Tube Coefficient	0.8662	
DN	Diameter of Nozzle Tip	0.1850	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

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SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-8	0.800	1.000	78	74	79	163.61
A-7	0.850	1.170	81	74	71	165.93
A-6	0.900	1.260	83	75	71	168.30
A-5	0.750	1.060	85	76	78	170.78
A-4	1.100	1.300	89	76	90	173.13
A-3	1.200	1.000	90	80	88	175.65
A-2	1.200	1.000	94	81	90	177.97
A-1	1.200	1.000	97	82	90	180.22
B-8	1.100	1.000	88	84	74	182.51
B-7	1.400	1.000	97	86	69	184.77
B-6	1.400	1.000	101	87	68	186.98
B-5	0.900	1.000	103	88	82	189.20
B-4	1.200	1.000	104	89	87	191.43
B-3	1.200	1.000	105	90	91	193.67
B-2	1.200	1.000	105	92	91	195.92
B-1	1.100	1.000	106	92	91	198.17
						200.36

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Data for TEST 1 :

DELTA P:	1.0416	ACFM:	22530.00
DELTA H:	1.0494	SCFM:	19297.01
TMAVG:	548.5000	PB:	27.80
TS AVG:	541.8750	VM:	36.75
MC:	1.012	VM(CORR):	37.17
MD:	28.8400	PM:	27.8772
MS:	26.9400	PCON:	0.0000
VMSID:	33.3403	CORR:	0.0000
BWO:	0.0000	ERAT:	0.0000
USAVG:	65.1910		

INDIVIDUAL ISOKINETICS - TEST 1

1.	0.996	9.	0.812
2.	0.986	10.	0.693
3.	0.996	11.	0.693
4.	1.037	12.	0.677
5.	0.925	13.	0.765
6.	0.810	14.	0.770
7.	0.783	15.	0.768
8.	0.794	16.	0.781

Overall Isokinetic for TEST 1 : 0.833

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GAS FLOW AND PARTICULATE MONITORING — TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	BAGHOUSE - MDI
Pollution Control Permit :	N/A

Monitoring Personnel :	N. McCALL/C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100

Date of Test :	JUNE 20 1994
Test Start Time :	4:20 P.M.
Test Stop Time :	5:30 P.M.
On-line Sampling Time :	64 minutes

TEST RESULTS :

Gas Temperature	82 deg F	28 deg C
Moisture Content	0.0 %	0.0 %
Average Stack Gas Velocity	70.0 ft/sec	21.3 m/sec
Total Actual Gas Flow Rate	24,180 ACFM	--
Standard Gas Flow Rate Reference Conditions	20,681 SCFM	9.8 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	5.76	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	26.30	inches Hg
VM	Dry Gas Meter Volume	34.61	cubic feet
WE	Weight of Condensate Collected	0.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CP	Type-S Pitot Tube Coefficient	0.8667	
DN	Diameter of Nozzle Tip	0.1850	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-8	1.200	1.000	82	76	66	200.71
A-7	1.200	1.000	83	76	66	202.71
A-6	1.200	1.000	86	78	69	204.91
A-5	1.200	1.000	90	79	85	207.10
A-4	1.300	1.000	93	80	86	209.25
A-3	1.300	1.000	95	82	91	211.42
A-2	1.250	1.000	97	83	91	213.56
A-1	1.300	1.000	99	85	90	215.75
B-8	1.200	1.000	88	85	89	217.92
B-7	1.200	1.000	98	87	68	220.10
B-6	1.200	1.000	103	88	70	222.30
B-5	1.200	1.000	104	89	82	224.44
B-4	1.300	1.000	105	90	92	226.63
B-3	1.300	1.000	106	91	91	228.82
B-2	1.300	1.000	106	92	92	230.99
B-1	1.300	1.000	106	92	92	233.17
						235.32

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Data for TEST 2 :

DELTA P:	1.1164	ACFM:	34179.80
DELTA H:	1.0000	SCFM:	20681.45
TMAVG:	550.4375	PB:	27.80
TS AVG:	542.6250	VM:	34.61
MC:	1.012	VM(CORR):	35.01
MD:	28.8400	PM:	27.8736
MS:	28.8400	PCON:	0.0000
VMSTD:	31.2842	CORR:	0.0000
BWO:	0.0000	ERAT:	0.0000
USAVG:	69.9647		

INDIVIDUAL ISOKINETICS - TEST 2

1.	0.692	9.	0.759
2.	0.760	10.	0.743
3.	0.755	11.	0.720
4.	0.749	12.	0.744
5.	0.724	13.	0.720
6.	0.715	14.	0.713
7.	0.744	15.	0.715
8.	0.719	16.	0.705

Overall Isokinetic for TEST 2 : 0.729

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

BAGHOUSE - PHENOLS

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 21 1994

FIELD MEASUREMENT DATA :				
Gas Temperature	84	deg F	29	deg C
Moisture Content (by volume)	1.0	%	1.0	%
Average Stack Gas Velocity	73.9	ft/sec	22.2	m/sec
Total Actual Gas Flow Rate	25,184	ACFM	--	
Standard Gas Flow Rate Reference Conditions	21,261	SCFM	10.0	cubic meter/sec
Total Particulate Concentration :				
Dry Basis, Actual	0.0000	gr/SCF	0.00	mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000	gr/SCF	0.00	mg/cubic meter

Neil McCall
ENVIRONMENTAL CONSULTANTS LTD.
N.R. McCALL & ASSOCIATES

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

BAGHOUSE - PHENOLS

Summary of Air Emission Tests of JUNE 21 1994

TEST 1 :

Gas Temperature	83 deg F	28 deg C
Moisture Content (by volume)	1.2 %	1.2 %
Average Stack Gas Velocity	72.1 ft/sec	22.0 m/sec
Total Actual Gas Flow Rate	24,908 ACFM	--
Standard Gas Flow Rate Reference Conditions	21,050 SCFM	9.9 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :

Gas Temperature	85 deg F	30 deg C
Moisture Content (by volume)	0.9 %	0.9 %
Average Stack Gas Velocity	73.7 ft/sec	22.5 m/sec
Total Actual Gas Flow Rate	25,460 ACFM	--
Standard Gas Flow Rate Reference Conditions	21,473 SCFM	10.1 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

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GAS FLOW AND PARTICULATE MONITORING — TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	BAGHOUSE - PHENOLS
Pollution Control Permit :	N/A
Monitoring Personnel :	N. McCALL/C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 21 1994
Test Start Time :	10:10 A.M
Test Stop Time :	11:24 A.M
On-line Sampling Time :	64 minutes

TEST RESULTS :

Gas Temperature	83 deg F	28 deg C
Moisture Content	1.2 %	1.2 %
Average Stack Gas Velocity	72.1 ft/sec	22.0 m/sec
Total Actual Gas Flow Rate	24,908 ACFM	--
Standard Gas Flow Rate Reference Conditions	21,050 SCFM	9.9 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	5.76	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	26.20	inches Hg
VM	Dry Gas Meter Volume	22.01	cubic feet
WE	Weight of Condensate Collected	5.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CF	Type-S Pitot Tube Coefficient	0.8667	
DN	Diameter of Nozzle Tip	0.1250	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-8	1.200	0.350	77	74	64	235.99
A-7	1.200	0.350	80	74	64	237.22
A-6	1.200	0.350	84	76	64	238.56
A-5	1.200	0.350	88	76	64	239.82
A-4	1.200	0.370	91	78	80	241.11
A-3	1.200	0.370	89	82	97	242.42
A-2	1.300	0.370	93	82	98	243.62
A-1	1.300	0.370	95	83	91	245.04
B-8	1.300	0.370	86	83	71	246.41
B-7	1.300	0.370	99	86	66	247.80
B-6	1.400	0.400	96	88	84	249.17
B-5	1.400	0.400	100	89	87	250.52
B-4	1.400	0.410	102	89	90	252.02
B-3	1.500	0.440	102	90	93	253.46
B-2	1.500	0.440	102	91	92	254.98
B-1	1.500	0.440	102	91	89	256.49
						258.00

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Data for TEST 1 :

DELTA P:	1.1473	ACFM:	24908.39
DELTA H:	0.3844	SCFM:	21049.61
TMAVG:	548.0625	PS:	27.80
TS AVG:	542.7500	VM:	22.01
MC:	1.012	VM(CORR):	22.26
MD:	28.8400	PM:	27.8283
MS:	28.7138	PCON:	0.0000
VMSTD:	19.9437	CORR:	0.0000
BWO:	0.0117	ERAT:	0.0000
USAVG:	72.0728		

INDIVIDUAL ISOKINETICS - TEST 1

1.	0.943	9.	1.013
2.	1.024	10.	0.980
3.	0.958	11.	0.947
4.	0.995	12.	1.050
5.	1.012	13.	1.009
6.	0.931	14.	1.031
7.	1.055	15.	1.023
8.	1.009	16.	1.030

Overall Isokinetic for TEST 1 : 1.001

N.R. McCALL & ASSOCIATES
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GAS FLOW AND PARTICULATE MONITORING — TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	BAGHOUSE - PHENOLS
Pollution Control Permit :	N/A

Monitoring Personnel :	N. McCALL/C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100

Date of Test :	JUNE 21 1994
Test Start Time :	12:59 P.M
Test Stop Time :	2:07 P.M.
On-line Sampling Time :	64 minutes

TEST RESULTS :

Gas Temperature	85 deg F	30 deg C
Moisture Content	0.9 %	0.9 %
Average Stack Gas Velocity	73.7 ft/sec	22.5 m/sec
Total Actual Gas Flow Rate	25,460 ACFM	--
Standard Gas Flow Rate Reference Conditions	21,473 SCFM	10.1 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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ENVIRONMENTAL CONSULTANTS LTD.

LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	5.76	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	26.30	inches Hg
VM	Dry Gas Meter Volume	22.76	cubic feet
WE	Weight of Condensate Collected	4.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CP	Type-S Pitot Tube Coefficient	0.8667	
DN	Diameter of Nozzle Tip	0.1250	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H20)	ORIFICE PRESSURE (in H20)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-8	1.300	0.370	75	73	75	358.18
A-7	1.300	0.370	78	74	77	359.56
A-6	1.300	0.430	83	74	75	360.95
A-5	1.300	0.320	86	75	88	362.45
A-4	1.400	0.400	89	76	93	363.87
A-3	1.400	0.400	92	78	93	365.30
A-2	1.400	0.400	94	79	94	366.75
A-1	1.400	0.400	96	81	93	368.18
B-8	1.400	0.400	87	82	72	369.58
B-7	1.400	0.400	97	84	72	370.97
B-6	1.500	0.430	93	85	73	372.39
B-5	1.200	0.340	97	85	86	373.91
B-4	1.350	0.380	97	86	93	375.26
B-3	1.400	0.400	96	87	94	376.65
B-2	1.350	0.380	98	87	94	378.08
B-1	1.350	0.380	98	87	93	379.53
						380.94

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Data for TEST 2 :

DELTA P:	1.1709	ACFM:	35460.44
DELTA H:	0.3875	SCFM:	31472.82
TMAVG:	546.1250	PB:	27.80
TS AVG:	545.3125	VM:	22.76
MC:	1.012	VM(CORR):	23.02
MD:	28.9400	PM:	27.8285
MS:	28.7417	PCON:	0.0000
VMSTD:	20.7019	CORR:	0.0000
BWO:	0.0091	ERAT:	0.0000
USAVG:	73.6702		

INDIVIDUAL ISOKINETICS - TEST 2

1.	1.026	9.	0.975
2.	1.033	10.	0.986
3.	1.031	11.	1.018
4.	1.057	12.	1.024
5.	1.027	13.	1.000
6.	1.036	14.	1.011
7.	1.020	15.	1.042
8.	0.994	16.	1.012

Overall Isokinetic for TEST 2 : 1.018

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LOUISIANA PACIFIC LTD.
CHETWYND B.C.
CHETWYND B.C.

BAGHOUSE - FORMALDEHYDE

Average of Air Emission Tests 1 TO 3 — DATE: JUNE 21 1994

FIELD MEASUREMENT DATA :

Gas Temperature	93	deg F	34	deg C
Moisture Content (by volume)	1.2	%	1.2	%
Average Stack Gas Velocity	72.6	ft/sec	22.1	m/sec
Total Actual Gas Flow Rate	25,091	ACFM	--	
Standard Gas Flow Rate Reference Conditions	20,820	SCFM	9.8	cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0000	gr/SCF	0.00	mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000	gr/SCF	0.00	mg/cubic meter

Neil McCall
ENVIRONMENTAL CONSULTANTS LTD.
N.R. McCALL & ASSOCIATES

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

LOUISIANA PACIFIC LTD.
CHETWYND B.C.
CHETWYND B.C.

BAGHOUSE - FORMALDEHYDE

Summary of Air Emission Tests of JUNE 21 1994

TEST 1 :

Gas Temperature	92 deg F	34 deg C
Moisture Content (by volume)	0.0 %	0.0 %
Average Stack Gas Velocity	72.4 ft/sec	22.1 m/sec
Total Actual Gas Flow Rate	25,015 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	21,034 SCFM	9.9 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :

Gas Temperature	94 deg F	34 deg C
Moisture Content (by volume)	2.3 %	2.3 %
Average Stack Gas Velocity	72.8 ft/sec	22.2 m/sec
Total Actual Gas Flow Rate	25,166 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	20,614 SCFM	9.7 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

GAS FLOW AND PARTICULATE MONITORING — TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	CHETWYND B.C.
Process :	BAGHOUSE - FORMALDEHYDE
Pollution Control Permit :	N/A

Monitoring Personnel :	N. McCALL C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100

Date of Test :	JUNE 21 1994
Test Start Time :	2:55 P.M.
Test Stop Time :	4:06 P.M.
On-line Sampling Time :	64 minutes

TEST RESULTS :

Gas Temperature	92 deg F	34 deg C
Moisture Content	0.0 %	0.0 %
Average Stack Gas Velocity	72.4 ft/sec	22.1 m/sec
Total Actual Gas Flow Rate	25,015 ACFM	--
Standard Gas Flow Rate Reference Conditions	21,026 SCFM	9.9 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

LOUISIANA PACIFIC LTD.
CHETWYND B.C.
CHETWYND B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	5.76	square feet
PB	Barometric Pressure	27.02	inches Hg
PS	Pressure in Duct or Stack	26.31	inches Hg
VM	Dry Gas Meter Volume	22.32	cubic feet
WE	Weight of Condensate Collected	0.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CP	Type-S Pitot Tube Coefficient	0.8667	
DN	Diameter of Nozzle Tip	0.1250	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-8	1.300	0.370	75	75	80	281.11
A-7	1.300	0.370	80	75	80	282.54
A-6	1.500	0.420	85	75	79	283.96
A-5	1.300	0.370	88	75	91	285.51
A-4	1.400	0.400	86	77	101	286.94
A-3	1.300	0.370	92	78	102	288.44
A-2	1.300	0.270	94	79	101	289.83
A-1	1.300	0.370	96	81	113	291.25
B-8	1.300	0.370	88	81	79	292.71
B-7	1.300	0.370	98	83	76	294.09
B-6	1.300	0.370	100	84	81	295.51
B-5	1.100	0.350	102	85	90	296.91
B-4	1.350	0.390	102	86	101	298.27
B-3	1.350	0.380	102	87	101	299.73
B-2	1.300	0.370	102	87	102	301.15
B-1	1.300	0.370	102	88	101	302.54
						303.93

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Data for TEST 1 :

DELTA P:	1.1452	ACFM:	25015.19
DELTA H:	0.3762	SCFM:	21026.30
TMAVG:	547.1250	PB:	27.82
TS AVG:	552.3750	VM:	22.82
MC:	1.012	VM(CORR):	23.06
MD:	28.3400	PM:	27.8477
MS:	28.8400	PCON:	0.0000
VMSTD:	20.7328	CORR:	0.0000
SWC:	0.0000	ERAT:	0.0000
USAVG:	72.3819		

INDIVIDUAL ISOKINETICS - TEST 1

1.	1.060	9.	1.005
2.	1.063	10.	1.020
3.	1.046	11.	1.007
4.	1.058	12.	1.069
5.	1.079	13.	1.046
6.	1.032	14.	1.016
7.	1.051	15.	1.015
8.	1.088	16.	1.013

Overall Isokinetic for TEST 1 : 1.041

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GAS FLOW AND PARTICULATE MONITORING — TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	CHETWYND B.C.
Process :	BAGHOUSE - FORMALDEHYDE
Pollution Control Permit :	N/A
Monitoring Personnel :	N. McCALL C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 21 1994
Test Start Time :	4:45 P.M.
Test Stop Time :	5:55 P.M.
On-line Sampling Time :	64 minutes

TEST RESULTS :

Gas Temperature	94 deg F	34 deg C
Moisture Content	2.3 %	2.3 %
Average Stack Gas Velocity	72.8 ft/sec	22.2 m/sec
Total Actual Gas Flow Rate	25,166 ACFM	--
Standard Gas Flow Rate Reference Conditions	20,614 SCFM	9.7 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
CHETWYND B.C.
CHETWYND B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	5.76	square feet
PB	Barometric Pressure	27.82	inches Hg
PS	Pressure in Duct or Stack	26.31	inches Hg
VM	Dry Gas Meter Volume	22.06	cubic feet
WE	Weight of Condensate Collected	10.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	16	
CP	Type-S Pitot Tube Coefficient	0.8667	
DN	Diameter of Nozzle Tip	0.1250	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H20)	ORIFICE PRESSURE (in H20)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-8	1.300	0.360	77	77	85	304.13
A-7	1.300	0.360	82	76	86	305.55
A-6	1.300	0.360	86	77	88	306.98
A-5	1.300	0.360	89	77	91	308.40
A-4	1.350	0.380	91	78	100	309.78
A-3	1.300	0.370	93	79	101	311.17
A-2	1.300	0.370	95	80	103	312.55
A-1	1.300	0.370	97	81	101	313.93
B-8	1.300	0.370	97	82	81	315.30
B-7	1.300	0.370	99	84	80	316.67
B-6	1.300	0.370	101	85	81	318.02
B-5	1.300	0.370	102	86	101	319.39
B-4	1.300	0.370	103	88	101	320.74
B-3	1.350	0.380	104	88	102	322.11
B-2	1.350	0.380	106	90	101	323.50
B-1	1.350	0.380	107	91	102	324.83
						326.19

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Data for TEST 2 :

DELTA P:	1.1456	ACFM:	35166.05
DELTA H:	0.3700	SCFM:	20614.04
TMAVG:	548.6875	PS:	27.82
TS AVG:	553.6875	VM:	22.06
MC:	1.012	VM(CORR):	22.21
MD:	28.9400	PM:	27.8472
MS:	28.5889	PCON:	0.0000
VMSTD:	19.9849	CORR:	0.0000
BWO:	0.0232	ERAT:	0.0000
USAVG:	72.8184		

INDIVIDUAL ISOKINETICS - TEST 2

1.	1.074	9.	1.018
2.	1.079	10.	0.990
3.	1.063	11.	1.003
4.	1.038	12.	1.004
5.	1.032	13.	1.016
6.	1.042	14.	1.012
7.	1.041	15.	0.964
8.	1.028	16.	0.985

Overall Isokinetic for TEST 2 : 1.024

Test Data- PRESS VENT

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

PRESS VENT - FORMALDEHYDE

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 21 1994

FIELD MEASUREMENT DATA :

Gas Temperature	110	deg F	44	deg C
Moisture Content (by volume)	0.0	%	0.0	%
Average Stack Gas Velocity	42.4	ft/sec	12.9	m/sec
Total Actual Gas Flow Rate	58,464	ACFM	--	
Standard Gas Flow Rate Reference Conditions	50,367	SCFM	23.8	cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0000	gr/SCF	0.00	mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000	gr/SCF	0.00	mg/cubic meter

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

PRESS VENT - FORMALDEHYDE

Summary of Air Emission Tests of JUNE 21 1994

TEST 1 :

Gas Temperature	110 deg F	43 deg C
Moisture Content (by volume)	0.0 %	0.0 %
Average Stack Gas Velocity	42.4 ft/sec	12.9 m/sec
Total Actual Gas Flow Rate	58,466 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	50,407 SCFM	23.8 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :

Gas Temperature	111 deg F	44 deg C
Moisture Content (by volume)	0.0 %	0.0 %
Average Stack Gas Velocity	42.4 ft/sec	12.9 m/sec
Total Actual Gas Flow Rate	58,461 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	50,327 SCFM	23.7 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

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GAS FLOW AND PARTICULATE MONITORING TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	PRESS VENT - FORMALDEHYDE
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 21 1994
Test Start Time :	3:25 P.M.
Test Stop Time :	4:39 P.M.
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	110 deg F	43 deg C
Moisture Content	0.0 %	0.0 %
Average Stack Gas Velocity	42.4 ft/sec	12.9 m/sec
Total Actual Gas Flow Rate	58,466 ACFM	--
Standard Gas Flow Rate Reference Conditions	50,407 SCFM	23.8 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	22.96	square feet
PB	Barometric Pressure	27.82	inches Hg
PS	Pressure in Duct or Stack	27.85	inches Hg
VM	Dry Gas Meter Volume	27.02	cubic feet
WE	Weight of Condensate Collected	0.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	20	
CP	Type-S Pitot Tube Coefficient	0.8638	
DN	Diameter of Nozzle Tip	0.1820	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H20)	ORIFICE PRESSURE (in H20)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-5	0.480	0.620	88	84	107	683.72
A-4	0.500	0.650	100	82	110	685.05
A-3	0.500	0.650	104	82	111	686.43
A-2	0.450	0.580	108	82	112	687.80
A-1	0.350	0.460	112	84	109	689.10
B-5	0.620	0.820	102	88	107	690.25
B-4	0.620	0.830	114	88	108	691.82
B-3	0.630	0.840	116	88	118	693.38
B-2	0.580	0.760	118	88	122	694.93
B-1	0.500	0.670	120	88	109	696.42
C-5	0.630	0.830	104	90	109	697.84
C-4	0.400	0.530	118	92	108	699.39
C-3	0.400	0.540	122	92	105	700.74
C-2	0.400	0.540	122	92	106	702.07
C-1	0.300	0.410	124	93	106	703.36
D-5	0.400	0.530	112	92	106	704.48
D-4	0.400	0.530	120	92	111	705.73
D-3	0.350	0.460	122	92	115	706.98
D-2	0.450	0.600	124	92	115	708.13
D-1	0.450	0.610	124	92	107	709.42
						710.74

N.R. McCALL & ASSOCIATES
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Data for TEST 1 :

DELTA P:	0.6822	ACFM:	58466.22
DELTA H:	0.6230	SCFM:	50406.85
TMAVG:	561.1750	PB:	27.82
TS AVG:	570.0500	VM:	27.02
MC:	1.015	VM(CORR):	27.41
MD:	28.8400	PM:	27.8638
MS:	28.8400	PCON:	0.0000
VMSTD:	24.0207	CORR:	0.0000
BWO:	0.0000	ERAT:	0.0000
USAVG:	42.4406		

INDIVIDUAL ISOKINETICS - TEST 1

1.	1.003	11.	1.003
2.	1.013	12.	1.079
3.	1.003	13.	1.056
4.	1.001	14.	1.025
5.	0.995	15.	1.025
6.	1.026	16.	1.002
7.	1.009	17.	1.000
8.	1.002	18.	0.985
9.	1.005	19.	0.973
10.	1.018	20.	0.988

Overall Isokinetic for TEST 1 : 1.010

M.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

GAS FLOW AND PARTICULATE MONITORING — TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	PRESS VENT - FORMALDEHYDE
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 21 1994
Test Start Time :	5:14 P.M.
Test Stop Time :	6:30 P.M.
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	111 deg F	44 deg C
Moisture Content	0.0 %	0.0 %
Average Stack Gas Velocity	42.4 ft/sec	12.9 m/sec
Total Actual Gas Flow Rate	58,461 ACFM	--
Standard Gas Flow Rate Reference Conditions	50,327 SCFM	23.7 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	22.96 square feet
PB	Barometric Pressure	27.82 inches Hg
PS	Pressure in Duct or Stack	27.85 inches Hg
VM	Dry Gas Meter Volume	27.13 cubic feet
WE	Weight of Condensate Collected	0.0 grams
WSG	Weight of Moisture in Silica Gel	0.0 grams
WF	Weight of Filter Particulate	0.0000 grams
WFL	Weight of Cyclone Particulate	0.0000 grams
WW	Weight of Washings	0.0000 grams
NT	Total Number of Sample Points	20
CP	Type-S Pitot Tube Coefficient	0.8638
DN	Diameter of Nozzle Tip	0.1820 inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
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SAMPLING TEST DATA - TEST 3

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
D-5	0.400	0.520	90	86	118	710.99
D-4	0.400	0.530	106	88	118	713.23
D-3	0.420	0.570	112	88	108	713.49
D-2	0.450	0.610	114	88	109	714.74
D-1	0.450	0.610	118	88	104	716.06
C-5	0.500	0.670	104	88	106	717.39
C-4	0.500	0.670	112	90	112	718.80
C-3	0.400	0.530	118	90	112	720.20
C-2	0.400	0.540	120	90	115	721.45
C-1	0.300	0.410	122	90	107	722.69
B-5	0.620	0.820	106	88	115	723.75
B-4	0.620	0.820	118	90	120	725.30
B-3	0.580	0.790	120	90	111	726.85
B-2	0.580	0.790	121	90	109	728.39
B-1	0.400	0.550	122	92	107	729.88
A-5	0.550	0.730	106	88	118	731.19
A-4	0.400	0.540	110	90	109	732.66
A-3	0.500	0.680	120	90	107	733.96
A-2	0.500	0.680	122	90	107	735.37
A-1	0.400	0.540	122	90	106	736.79
						738.12

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ENVIRONMENTAL CONSULTANTS LTD.

Data for TEST 2 :

DELTA P:	0.6816	ACFM:	58461.21
DELTA H:	0.6300	SCFM:	50327.49
TMAVG:	561.6750	PB:	27.82
TS AVG:	570.9000	VM:	27.13
MC:	1.015	VM(CORR):	27.52
MD:	28.8400	PM:	27.8664
MS:	28.8400	PCON:	0.0000
VMSTD:	24.0974	CORR:	0.0000
BWO:	0.0000	ERAT:	0.0000
USAVG:	42.4370		

INDIVIDUAL ISOKINETICS - TEST 2

1.	1.030	11.	1.016
2.	1.030	12.	1.008
3.	0.983	13.	1.025
4.	1.003	14.	0.989
5.	1.002	15.	1.042
6.	1.022	16.	1.025
7.	1.012	17.	1.049
8.	1.004	18.	1.007
9.	0.997	19.	1.012
10.	0.975	20.	1.059

Overall Isokinetic for TEST 2 : 1.014

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

PRESS VENT - MOI

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 22 1994

FIELD MEASUREMENT DATA :				
Gas Temperature	117	deg F	47	deg C
Moisture Content (by volume)	2.5	%	2.5	%
Average Stack Gas Velocity	40.7	ft/sec	12.4	m/sec
Total Actual Gas Flow Rate	56,130	ACFM	--	
Standard Gas Flow Rate Reference Conditions	46,341	SCFM	21.9	cubic meter/sec
Total Particulate Concentration :				
Dry Basis, Actual	0.0000	gr/SCF	0.00	mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000	gr/SCF	0.00	mg/cubic meter

Neil McCall
ENVIRONMENTAL CONSULTANTS LTD.
N.R. McCALL & ASSOCIATES

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ENVIRONMENTAL CONSULTANTS LTD.

LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

PRESS VENT - MDI

Summary of Air Emission Tests of JUNE 22 1994

TEST 1 :		
Gas Temperature	115 deg F	46 deg C
Moisture Content (by volume)	3.6 %	3.6 %
Average Stack Gas Velocity	40.9 ft/sec	12.5 m/sec
Total Actual Gas Flow Rate	56,393 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	46,220 SCFM	21.8 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

TEST 2 :		
Gas Temperature	119 deg F	49 deg C
Moisture Content (by volume)	1.5 %	1.5 %
Average Stack Gas Velocity	40.6 ft/sec	12.4 m/sec
Total Actual Gas Flow Rate	55,868 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	46,452 SCFM	21.9 cubic meter/sec
Total Particulate Concentration :		
Dry Basis, Actual	0.0000 gr/SCF	0.00 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

GAS FLOW AND PARTICULATE MONITORING — TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	PRESS VENT - MDI
Pollution Control Permit :	N/A
Monitoring Personnel :	N. McCALL/C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 22 1994
Test Start Time :	10:57 A.M
Test Stop Time :	12:11 P.M
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	115 deg F	46 deg C
Moisture Content	3.6 %	3.6 %
Average Stack Gas Velocity	40.9 ft/sec	12.5 m/sec
Total Actual Gas Flow Rate	56,393 ACFM	--
Standard Gas Flow Rate Reference Conditions	46,230 SCFM	21.8 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	33.96	square feet
PB	Barometric Pressure	27.75	inches Hg
PG	Pressure in Duct or Stack	27.71	inches Hg
VM	Dry Gas Meter Volume	35.99	cubic feet
WE	Weight of Condensate Collected	25.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	20	
CP	Type-S Pitot Tube Coefficient	0.8536	
DN	Diameter of Nozzle Tip	0.2180	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

N.R. McCALL & ASSOCIATES
ENVIRONMENTAL CONSULTANTS LTD.

SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-5	0.150	0.320	87	85	122	326.56
A-4	0.500	1.280	91	88	125	327.64
A-3	0.500	1.260	94	86	119	329.42
A-2	0.500	1.290	96	90	110	331.40
A-1	0.350	0.900	101	88	112	333.33
B-5	0.350	0.900	95	90	113	335.03
B-4	0.600	1.550	102	90	126	336.68
B-3	0.550	1.400	103	91	110	338.78
B-2	0.550	1.400	105	92	112	340.85
B-1	0.350	0.920	106	93	112	342.91
C-5	0.500	1.300	101	94	113	344.59
C-4	0.500	1.300	105	94	114	346.54
C-3	0.500	1.300	107	94	112	348.47
C-2	0.450	1.180	108	95	114	350.42
C-1	0.350	0.920	109	95	115	352.29
D-5	0.150	0.390	100	96	119	353.96
D-4	0.500	1.290	109	96	129	355.06
D-3	0.500	1.290	109	96	110	356.98
D-2	0.500	1.290	110	97	113	358.93
D-1	0.500	1.290	110	97	113	360.91
						362.55

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Data for TEST 1 :

DELTA P:	0.6570	ACFM:	56393.58
DELTA H:	1.1415	SCFM:	46230.05
TMAVG:	557.2750	PS:	27.75
TS AVG:	575.2500	VM:	35.99
MC:	1.012	VM(CORR):	36.40
MD:	29.9400	PM:	27.9340
MS:	28.4540	PCON:	0.0000
VMSTD:	33.0868	CORR:	0.0000
BWO:	0.0256	ERAT:	0.0000
USAVG:	40.9254		

INDIVIDUAL ISOKINETICS - TEST 1

1.	1.079	11.	1.030
2.	0.999	12.	1.016
3.	1.025	13.	1.022
4.	1.025	14.	1.034
5.	1.076	15.	1.046
6.	1.050	16.	1.062
7.	1.027	17.	1.011
8.	1.040	18.	1.018
9.	1.034	19.	1.034
10.	1.055	20.	0.856

Overall Isokinetic for TEST 1 : 1.025

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GAS FLOW AND PARTICULATE MONITORING — TEST 2

Job Number :	N94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	PRESS VENT - MDI
Pollution Control Permit :	N/A

Monitoring Personnel :	N. McCALL/C. YEE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100

Date of Test :	JUNE 22 1994
Test Start Time :	12:47 P.M
Test Stop Time :	2:13 P.M
On-line Sampling Time :	60 minutes

TEST RESULTS :

Gas Temperature	119 deg F	49 deg C
Moisture Content	1.5 %	1.5 %
Average Stack Gas Velocity	40.6 ft/sec	12.4 m/sec
Total Actual Gas Flow Rate	55,868 ACFM	--
Standard Gas Flow Rate Reference Conditions	46,452 SCFM	21.9 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.0000 gr/SCF	0.00 mg/cubic meter
Particulate Emission Rate	0.0 lbs/hr	0.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	22.96	square feet
PB	Barometric Pressure	27.75	inches Hg
PS	Pressure in Duct or Stack	27.71	inches Hg
VM	Dry Gas Meter Volume	25.38	cubic feet
WE	Weight of Condensate Collected	10.0	grams
WSG	Weight of Moisture in Silica Gel	0.0	grams
WF	Weight of Filter Particulate	0.0000	grams
WFL	Weight of Cyclone Particulate	0.0000	grams
WW	Weight of Washings	0.0000	grams
NT	Total Number of Sample Points	20	
CP	Type-S Pitot Tube Coefficient	0.8536	
DN	Diameter of Nozzle Tip	0.2190	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	0.0	
O2	21.0	
N2		79.0

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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H20)	ORIFICE PRESSURE (in H20)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
D-5	0.100	0.250	92	91	129	362.73
D-4	0.500	1.260	96	91	135	363.63
D-3	0.500	1.260	99	91	110	365.48
D-2	0.500	1.300	100	91	118	367.40
D-1	0.500	1.290	101	92	113	369.35
C-5	0.500	1.260	94	92	120	371.29
C-4	0.500	1.260	98	92	116	373.20
C-3	0.500	1.260	101	92	116	375.15
C-2	0.450	1.170	102	93	132	377.06
C-1	0.300	0.770	104	94	115	378.93
B-5	0.500	1.260	99	94	133	380.45
B-4	0.450	1.130	103	94	119	382.40
B-3	0.500	1.260	106	95	112	384.25
B-2	0.500	1.260	107	95	119	386.15
B-1	0.350	0.880	108	96	113	388.05
A-5	0.100	0.250	98	97	126	389.67
A-4	0.470	1.200	107	97	132	390.55
A-3	0.450	1.150	108	97	114	392.29
A-2	0.600	1.530	109	97	136	394.10
A-1	0.500	1.280	109	97	105	396.15
						356.11

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Data for TEST 2 :

DELTA P:	0.6511	ACFM:	55067.83
DELTA H:	1.1140	SCFM:	46453.20
TMAVG:	557.9500	PS:	27.75
TS AVG:	579.4000	VM:	35.38
MC:	1.012	VM(CORR):	35.79
MD:	28.8400	PM:	27.8320
MS:	28.6794	PCON:	0.0000
VMSTD:	31.5025	CORR:	0.0000
BWO:	0.0148	ERAT:	0.0000
USAVG:	40.5545		

INDIVIDUAL ISOKINETICS - TEST 2

1.	1.067	11.	1.032
2.	0.985	12.	1.015
3.	0.999	13.	0.980
4.	1.020	14.	0.980
5.	1.008	15.	0.995
6.	1.005	16.	1.031
7.	1.019	17.	0.939
8.	0.995	18.	0.982
9.	1.030	19.	0.981
10.	1.016	20.	1.000

Overall Isokinetic for TEST 2 : 1.001

Test Data- KONUS KESSEL

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

KONNUS KESSEL BURNER

Average of Air Emission Tests 1 TO 2 — DATE: JUNE 22 1994

FIELD MEASUREMENT DATA :				
Gas Temperature	398	deg F	203	deg C
Moisture Content (by volume)	9.0	%	9.0	%
Average Stack Gas Velocity	32.1	ft/sec	9.8	m/sec
Total Actual Gas Flow Rate	47,934	ACFM	--	
Standard Gas Flow Rate Reference Conditions	24,947	SCFM	11.8	cubic meter/sec
Total Particulate Concentration :				
Dry Basis, Actual	0.0427	gr/SCF	97.74	mg/cubic meter
Dry Basis Corrected to 12% CO2	0.1281	gr/SCF	293.22	mg/cubic meter

Neil McCall
ENVIRONMENTAL CONSULTANTS LTD.
N.R. McCALL & ASSOCIATES

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

KONNUS KESSEL BURNER

Summary of Air Emission Tests of JUNE 22 1994

TEST 1 :

Gas Temperature	396 deg F	202 deg C
Moisture Content (by volume)	8.8 %	8.8 %
Average Stack Gas Velocity	32.8 ft/sec	10.0 m/sec
Total Actual Gas Flow Rate	48,892 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	25,581 SCFM	12.1 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0405 gr/SCF	92.73 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.1216 gr/SCF	278.18 mg/cubic meter

TEST 2 :

Gas Temperature	401 deg F	205 deg C
Moisture Content (by volume)	9.2 %	9.2 %
Average Stack Gas Velocity	31.5 ft/sec	9.6 m/sec
Total Actual Gas Flow Rate	46,976 ACFM	--
Standard Gas Flow Rate Reference Conditions		
	24,313 SCFM	11.5 cubic meter/sec

Total Particulate Concentration :

Dry Basis, Actual	0.0449 gr/SCF	102.76 mg/cubic meter
Dry Basis Corrected to 12% CO2	0.1347 gr/SCF	308.27 mg/cubic meter

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ENVIRONMENTAL CONSULTANTS LTD.

GAS FLOW AND PARTICULATE MONITORING TEST 1

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	KONNUS KESSEL BURNER
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 22 1994
Test Start Time :	8:52 A.M.
Test Stop Time :	10:12 A.M
On-line Sampling Time :	72 minutes

TEST RESULTS :

Gas Temperature	396 deg F	202 deg C
Moisture Content	8.8 %	8.8 %
Average Stack Gas Velocity	32.8 ft/sec	10.0 m/sec
Total Actual Gas Flow Rate	48,892 ACFM	--
Standard Gas Flow Rate Reference Conditions	25,581 SCFM	12.1 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.1216 gr/SCF	278.18 mg/cubic meter
Particulate Emission Rate	8.9 lbs/hr	4.0 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 1

AS	Cross Section Area of Duct/Stack	24.85	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	27.81	inches Hg
VM	Dry Gas Meter Volume	31.37	cubic feet
WE	Weight of Condensate Collected	50.0	grams
WSG	Weight of Moisture in Silica Gel	6.2	grams
WF	Weight of Filter Particulate	0.0459	grams
WFL	Weight of Cyclone Particulate	0.0045	grams
WW	Weight of Washings	0.0222	grams
NT	Total Number of Sample Points	36	
CP	Type-S Pitot Tube Coefficient	0.8599	
DN	Diameter of Nozzle Tip	0.2650	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	4.0	
O2	17.0	
N2		79.0

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SAMPLING TEST DATA - TEST 1

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
A-18	0.200	0.640	90	88	394	738.24
A-17	0.210	0.670	96	86	390	739.14
A-16	0.220	0.710	104	86	391	740.06
A-15	0.210	0.680	108	86	392	741.00
A-14	0.160	0.520	111	86	392	741.92
A-13	0.200	0.650	112	86	393	742.74
A-12	0.190	0.620	114	86	396	743.62
A-11	0.210	0.680	116	87	396	744.52
A-10	0.250	0.810	118	88	396	745.46
A-9	0.180	0.590	120	88	396	746.45
A-8	0.270	0.880	120	88	397	747.34
A-7	0.150	0.490	122	88	398	748.36
A-6	0.180	0.580	122	90	399	749.19
A-5	0.160	0.520	122	90	397	750.04
A-4	0.120	0.400	122	90	389	750.86
A-3	0.150	0.490	122	90	395	751.55
A-2	0.180	0.590	123	90	394	752.32
A-1	0.190	0.620	123	90	395	753.17
B-18	0.180	0.590	108	90	394	754.04
B-17	0.170	0.560	118	92	394	754.92
B-16	0.180	0.590	122	92	393	755.77
B-15	0.180	0.590	124	93	390	756.64
B-14	0.180	0.590	124	93	395	757.51
B-13	0.190	0.630	126	94	396	758.38
B-12	0.190	0.630	126	94	398	759.30
B-11	0.170	0.560	126	94	397	760.20
B-10	0.170	0.560	128	94	399	761.05
B-9	0.170	0.560	128	94	401	761.90
B-8	0.180	0.590	128	95	400	762.74
B-7	0.180	0.590	128	95	400	763.62
B-6	0.190	0.620	128	95	399	764.50
B-5	0.190	0.630	130	96	398	765.38
B-4	0.170	0.560	130	96	398	766.26
B-3	0.160	0.530	130	96	396	767.11
B-2	0.170	0.560	130	96	396	767.92
B-1	0.180	0.600	130	96	396	768.75
						769.61

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Data for TEST 1 :

DELTA P:	0.4281	ACFM:	48892.00
DELTA H:	0.6022	SCFM:	25580.58
TMAVG:	565.6528	PB:	27.80
TS AVG:	855.5556	VM:	31.37
MC:	1.015	VM(CORR):	31.82
MD:	29.3200	PM:	27.8443
MS:	28.3251	PCON:	0.0405
VMSTD:	27.6456	CORR:	0.1216
BWO:	0.0879	ERAT:	8.8846
USAVG:	32.7914		

INDIVIDUAL ISOKINETICS - TEST 1

1.	0.991	19.	1.003
2.	0.983	20.	0.987
3.	0.975	21.	0.977
4.	0.974	22.	0.973
5.	0.991	23.	0.976
6.	0.951	24.	1.003
7.	0.998	25.	0.982
8.	0.989	26.	0.980
9.	0.953	27.	0.979
10.	1.007	28.	0.969
11.	0.943	29.	0.985
12.	1.028	30.	0.985
13.	0.960	31.	0.958
14.	0.981	32.	0.955
15.	0.948	33.	0.975
16.	0.950	34.	0.957
17.	0.956	35.	0.951
18.	0.953	36.	0.958

Overall Isokinetic for TEST 1 : 0.974

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GAS FLOW AND PARTICULATE MONITORING TEST 2

Job Number :	M94-055
Client :	LOUISIANA PACIFIC LTD.
Plant Location :	DAWSON CREEK B.C.
Process :	KONNUS KESSEL BURNER
Pollution Control Permit :	N/A
Monitoring Personnel :	M. JOHNS / D. LAWRENCE
Test Procedure :	WMB. STD. TEST PROCEDURE USING A LEAR SIEGLER PM-100
Date of Test :	JUNE 22 1994
Test Start Time :	10:23 A.M
Test Stop Time :	11:38 A.M
On-line Sampling Time :	72 minutes

TEST RESULTS :

Gas Temperature	401 deg F	205 deg C
Moisture Content	9.2 %	9.2 %
Average Stack Gas Velocity	31.5 ft/sec	9.6 m/sec
Total Actual Gas Flow Rate	46,976 ACFM	--
Standard Gas Flow Rate Reference Conditions	24,313 SCFM	11.5 cubic meter/sec
Particulate concentration - Dry Basis Corrected to 12% CO2	0.1347 gr/SCF	308.27 mg/cubic meter
Particulate Emission Rate	9.4 lbs/hr	4.2 kg/hr

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LOUISIANA PACIFIC LTD.
DAWSON CREEK B.C.
DAWSON CREEK B.C.

TEST DATA - TEST 2

AS	Cross Section Area of Duct/Stack	24.85	square feet
PB	Barometric Pressure	27.80	inches Hg
PS	Pressure in Duct or Stack	27.81	inches Hg
VM	Dry Gas Meter Volume	30.34	cubic feet
WE	Weight of Condensate Collected	50.0	grams
WSG	Weight of Moisture in Silica Gel	6.4	grams
WF	Weight of Filter Particulate	0.0497	grams
WFL	Weight of Cyclone Particulate	0.0024	grams
WW	Weight of Washings	0.0245	grams
NT	Total Number of Sample Points	36	
CP	Type-S Pitot Tube Coefficient	0.8599	
DN	Diameter of Nozzle Tip	0.2650	inches

GAS ANALYSIS (VOLUME %, DRY BASIS)

	Measured	Assumed
CO		
CO2	4.0	
O2	17.0	
N2		79.0

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SAMPLING TEST DATA - TEST 2

SAMPLE POINT	VELOCITY HEAD (in H2O)	ORIFICE PRESSURE (in H2O)	DRY GAS METER TEMP IN (deg F)	DRY GAS METER TEMP OUT (deg F)	STACK GAS TEMP (deg F)	GAS SAMPLE VOLUME (cubic feet)
B-18	0.170	0.550	98	94	392	769.80
B-17	0.170	0.560	118	98	398	770.63
B-16	0.170	0.560	124	99	401	771.47
B-15	0.180	0.590	126	99	402	772.31
B-14	0.190	0.630	128	100	401	773.18
B-13	0.180	0.590	130	100	402	774.07
B-12	0.170	0.560	130	100	403	774.93
B-11	0.170	0.560	130	100	404	775.77
B-10	0.160	0.530	130	100	404	776.61
B-9	0.180	0.590	130	100	406	777.43
B-8	0.180	0.590	130	100	406	778.29
B-7	0.170	0.560	130	100	406	779.15
B-6	0.180	0.590	130	100	403	780.00
B-5	0.190	0.620	132	100	403	780.87
B-4	0.190	0.620	132	100	402	781.76
B-3	0.180	0.600	132	100	399	782.65
B-2	0.160	0.530	132	100	398	783.53
B-1	0.180	0.600	132	100	398	784.35
A-18	0.170	0.550	112	94	400	785.22
A-17	0.170	0.560	126	100	399	786.09
A-16	0.150	0.490	130	100	400	786.95
A-15	0.160	0.530	130	100	398	787.77
A-14	0.150	0.490	132	100	401	788.62
A-13	0.170	0.560	132	100	401	789.42
A-12	0.160	0.530	132	100	402	790.30
A-11	0.160	0.530	132	100	403	791.15
A-10	0.170	0.560	132	100	403	792.00
A-9	0.150	0.490	132	100	404	792.87
A-8	0.160	0.530	132	100	403	793.67
A-7	0.170	0.530	134	100	398	794.47
A-6	0.150	0.490	134	101	403	795.29
A-5	0.170	0.560	134	101	401	796.07
A-4	0.170	0.560	134	101	399	796.90
A-3	0.150	0.500	134	101	397	797.74
A-2	0.150	0.500	134	101	395	798.56
A-1	0.150	0.500	135	102	394	799.36
						800.14

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Data for TEST 2 :

DELTA P:	0.4097	ACFM:	46976.17
DELTA H:	0.5525	SCFM:	24312.83
TMAVG:	574.5278	PB:	27.80
TS AVG:	860.8056	VM:	30.34
MC:	1.015	VM(CORR):	30.78
MD:	29.3200	PM:	27.8407
MS:	28.2763	PCON:	0.0449
VMSTD:	26.3215	CORR:	0.1347
BWO:	0.0922	ERAT:	9.3578
USAVG:	31.5065		

INDIVIDUAL ISOKINETICS - TEST 2

1.	0.982	19.	1.021
2.	0.976	20.	0.991
3.	0.972	21.	1.003
4.	0.977	22.	1.005
5.	0.970	23.	0.977
6.	0.961	24.	1.010
7.	0.967	25.	1.006
8.	0.967	26.	1.007
9.	0.973	27.	1.000
10.	0.964	28.	0.979
11.	0.964	29.	0.947
12.	0.980	30.	0.938
13.	0.973	31.	0.951
14.	0.967	32.	0.950
15.	0.967	33.	0.960
16.	0.980	34.	0.997
17.	0.968	35.	0.971
18.	0.969	36.	0.945

Overall Isokinetic for TEST 2 : 0.976

Appendix

CALIBRATION CERTIFICATE
DRY GAS METER

DATE: MARCH 22, 1994

CONSOLE MANUF.: LEAR SIEGLER PM-100

CONSOLE I.D.: 170

PARAMETER SUMMARY	RUN #1	RUN #2	RUN #3
Ta = Ambient (WTM) Temperature (oF.)	57.0	56.5	57.0
P=Pres. Differential at WTM ("Hg)	0.0640	0.1140	0.1663
Pb= Atmospheric Pressure ("Hg)	29.75	29.75	29.75
Pv= Vapour Pressure Water at Temp. Ta ("Hg)	0.4683	0.4600	0.4683
H=Pres. Differential at Orifice	1.0	2.0	3.0
Ti= Dry Test Meter Inlet Temp. (oF.)	98.0	90.4	109.0
To= Dry Test Meter Outlet Temp. (oF.)	63.6	60.0	66.0
Ri= Initial Dry Test volume (ft3)	596.65	591.13	602.18
Rf= Final Dry Test Volume (ft3)	601.70	596.16	607.28
Vi= Initial Wet Test Volume (ft3)	0.0	0.0	0.0
Vf= Final Wet Test Volume (ft3)	5.000	5.000	5.000
Pw= Pb - (^P/13.59) "Hg	29.6860	29.6360	29.5837
Pd= Pb + (^H/13.59) "Hg	29.8236	29.8972	29.9708
Tw= Ta +460 (oR.)	517.0	516.5	517.0
Td= [(Ti + To)/2] + 460 (oR.)	540.8	535.2	547.5
Bw= Pv/Pb ("Hg)	0.0157	0.0155	0.0157
WET TEST METER FACTOR (WTMF)	0.9998	0.9998	0.9998
(Calculated Y Value)(WTMF)	1.0145	1.0050	1.0085

Y (MEAN)(WTMF) = 1.0093

N.R. MCCALL & ASSOCIATES LTD.

ORIFICE METER CALIBRATION

DATE: MARCH 22 , 1994

CONSOLE I.D. 170

	RUN 1	RUN 2	RUN 3
MD= mol. wt. dry air	28.967	28.967	28.967
Pb=bar. pressure "Hg	29.76	29.76	29.76
Y=gas meter factor	1.0145	1.0145	1.005
Delta H=	0.5	1	1.5
Ri=int. gas meter vol.	607.5	609.5	612.2
Rf=final gas meter vol.	609.32	612.13	615.45
min. samp	5	5	5
Qm=Y(Rf-Ri)/^T(FT3/MIN)	0.369278	0.533627	0.65325
	68.5	68	68
Tm=meter out temp. (oR.)	528.5	528	528
Pm=Pb + ^H	29.79679	29.83358	29.87038
SQRT(Tm/Pm*H/Md)	0.553313	0.78165	0.956732
Ko=orifice const.	0.667394	0.682693	0.682793

Ko MEAN = 0.677627

Ko*4*144= 390.3129

N.R. McCALL & ASSOCIATES LTD.

ORIFICE METER CALIBRATION

DATE: MARCH 22 , 1994

CONSOLE I.D. 170

	RUN 4	RUN 5	RUN 6
MD= mol. wt. dry air	28.967	28.967	28.967
Pb=bar. pressure "Hg	29.76	29.76	29.76
Y=gas meter factor	1.005	1.0085	1.0085
Delta H=	2	2.5	3
Ri=int. gas meter vol.	615.6	619.5	623.8
Rf=final gas meter vol.	619.31	623.65	628.38
min. samp	5	5	5
Qm=Y(Rf-Ri)/^T(FT3/MIN)	0.74571	0.837055	0.923786
To= meter out temp. (oF.)	70	71	72
Tm=meter out temp. (oR.)	530	531	532
Pm=Pb + ^H	29.90717	29.94396	29.98075
SQRT(Tm/Pm*H/Md)	1.106149	1.237117	1.355637
Ko=orifice const.	0.67415	0.676617	0.681441

Ko MEAN = 0.677403

Ko*4*144= 390.1839

N.R. McCALL & ASSOCIATES LTD.

CALIBRATION CERTIFICATE
DRY GAS METER

DATE: MARCH 24, 1994

CONSOLE MANUF.: NAPP MODEL 31

CONSOLE I.D.: C-980

PARAMETER SUMMARY	RUN #1	RUN #2	RUN #3
Ta = Ambient (WTM) Temperature (oF.)	55.5	56.0	56.0
P=Pres. Differential at WTM ("Hg)	0.0625	0.1140	0.1589
Pb= Atmospheric Pressure ("Hg)	30.04	30.04	30.04
Pv= Vapour Pressure Water at Temp. Ta ("Hg)	0.4436	0.4517	0.4517
H=Pres. Differential at Orifice	1.0	2.0	3.0
Ti= Dry Test Meter Inlet Temp. (oF.)	75.2	74.6	84.8
To= Dry Test Meter Outlet Temp. (oF.)	64.0	65.0	66.6
Ri= Initial Dry Test volume (ft3)	105.05	110.52	115.95
Rf= Final Dry Test Volume (ft3)	110.03	115.46	120.92
Vi= Initial Wet Test Volume (ft3)	0.0	0.0	0.0
Vf= Final Wet Test Volume (ft3)	5.000	5.000	5.000
Pw= Pb - (^P/13.59) "Hg	29.9775	29.9260	29.8811
Pd= Pb + (^H/13.59) "Hg	30.1136	30.1872	30.2608
Tw= Ta +460 (oR.)	515.5	516.0	516.0
Td= [(Ti + To)/2] + 460 (oR.)	529.6	529.8	535.7
Bw= Pv/Pb ("Hg)	0.0148	0.0150	0.0150
WET TEST METER FACTOR (WTMF)	0.9998	0.9998	0.9998
(Calculated Y Value)(WTMF)	1.0115	1.0145	1.0156

Y (MEAN)(WTMF) = 1.0139

N.R. MCCALL & ASSOCIATES LTD.

ORIFICE METER CALIBRATION

DATE: MARCH 24, 1994

CONSOLE I.D. C-980

	RUN 1	RUN 2	RUN 3
MD= mol. wt. dry air	28.967	28.967	28.967
Pb=bar. pressure "Hg	30.04	30.04	30.04
Y=gas meter factor	1.0115	1.0115	1.0145
Delta H=	0.5	1	1.5
Ri=int. gas meter vol.	121.1	123.1	125.9
Rf=final gas meter vol.	122.98	125.72	129.08
min. samp	5	5	5
Qm=Y(Rf-Ri)/^T(FT3/MIN)	0.380324	0.530026	0.645222
	59.2	60.4	62.6
Tm=meter out temp. (oR.)	519.2	520.4	522.6
Pm=Pb + ^H	30.07679	30.11358	30.15038
SQRT(Tm/Pm*H/Md)	0.545864	0.772388	0.947397
Ko=orifice const.	0.696737	0.686217	0.681047

Ko MEAN = 0.688

Ko*4*144= 396.2882

N.R. McCALL & ASSOCIATES LTD.

ORIFICE METER CALIBRATION

DATE: MARCH 24, 1994

CONSOLE I.D. C-980

	RUN 4	RUN 5	RUN 6
MD= mol. wt. dry air	28.967	28.967	28.967
Pb=bar. pressure "Hg	30.04	30.04	30.04
Y=gas meter factor	1.0145	1.0156	1.0156
Delta H=	2	2.5	3
Ri=int. gas meter vol.	129.2	133	137.2
Rf=final gas meter vol.	132.81	137.01	141.56
min. samp	5	5	5
Qm=Y(Rf-Ri)/^T(FT3/MIN)	0.732469	0.814511	0.885603
	64.8	67.4	69.4
Tm=meter out temp. (oR.)	524.8	527.4	529.4
Pm=Pb + ^H	30.18717	30.22396	30.26075
SQRT(Tm/Pm*H/Md)	1.095592	1.227192	1.346049
Ko=orifice const.	0.66856	0.663719	0.657928

Ko MEAN = 0.663402

Ko*4*144= 382.1197

N.R. McCALL & ASSOCIATES LTD.

N.R. MCCALL & ASSOCIATES LTD.

CALIBRATION CERTIFICATE S - TYPE PITOT TUBE

DATE:	JAN. 24/94	BAROM. PRESSURE ("Hg)	30.05
PITOT I.D.:	147.0	W. TUNNEL TEMP. (oF.)	68.0
NOZZLE I.D.:	0.25		

WIND VELOCITY (ft/sec).	REF. PITOT IN. H2O	S - TYPE PITOT	PITOT FACTOR
10.10	0.02350	0.02847	0.89944
26.00	0.15564	0.20433	0.86401
40.36	0.37501	0.49160	0.86467
60.22	0.83475	1.09040	0.86620
82.54	1.56840	2.05702	0.86446
100.10	2.30675	3.09565	0.85459
		AVERAGE =	0.86890

NOTE: The new pitot tip should be installed so that the serial number engraved is aligned directly into the gas stream.

N.R. MCCALL & ASSOCIATES LTD.

CALIBRATION CERTIFICATE S - TYPE PITOT TUBE

DATE: JAN. 24/94

PITOT I.D.: 148.0

NOZZLE I.D.: 0.25

BAROM. PRESSURE ("Hg) 30.05

W. TUNNEL TEMP. (oF.) 68.0

WIND VELOCITY (ft/sec)	REF. PITOT IN. H2O	S - TYPE PITOT	PITOT FACTOR
9.48	0.02068	0.02546	0.89224
25.59	0.15077	0.20029	0.85895
40.61	0.37956	0.49671	0.86542
60.74	0.84939	1.10638	0.86744
80.05	1.47529	1.91537	0.86886
101.37	2.36571	3.06653	0.86955
		AVERAGE =	0.87041

NOTE: The new pitot tip should be installed so that the serial number engraved is aligned directly into the gas stream.

N.R. MCCALL & ASSOCIATES LTD.

CALIBRATION CERTIFICATE S - TYPE PITOT TUBE

DATE: JAN. 24/94

BAROM. PRESSURE ("Hg) 30.05

PITOT I.D.: 149.0

W. TUNNEL TEMP. (oF.) 68.0

NOZZLE I.D.: 0.25

WIND VELOCITY (ft/sec)	REF. PITOT IN. H2O	S - TYPE PITOT	PITOT FACTOR
10.05	0.02324	0.02895	0.88700
26.57	0.16253	0.21544	0.85988
39.92	0.36677	0.48176	0.86381
60.17	0.83340	1.09214	0.86482
80.53	1.49287	1.99072	0.85732
102.12	2.40056	3.23481	0.85284
		AVERAGE =	0.86428

NOTE: The new pitot tip should be installed so that the serial number engraved is aligned directly into the gas stream.

SOURCE TEST CO...G FORM Data for Particulate Gaseous Em...ons

Page No.

CLIENT: L P DAWSON

Test Number: 1-CONDENSIBLES-

Process: E.E.B. DRYER - SOURCE #7

Barometric Pressure: 27.8

Static Pressure: +.55" H2O

Nozzle Diameter: .182

"C" Correction Factor: .86

Filter No.: AA + AA

Flask No.: 17

Sites Gut: AA

Assumed Moisture: 20

Assumed Meter Temp.:

Start Time: 12:40

Stop Time: 1:46

	TIME	CO_2	O_2	CO	N_2
1		3	17		80
2		3	17		
3		3	17.5		
4					

Impinger Volume	1	2	3
Final	580		
Initial	250	150	

Date: JUNE 20/94

Comments: M 1-0145

CP - 86744 AS-15-91

PITOT 148

CONSOLE 170

Tester 1: MIKE/DAN

Tester 2:

Leakage Rate @ ____ "HG

	Sample Point	ΔP Velocity Head (H_2O)	ΔH Orifice Press (H_2O)	T_{mi} Gas Meter Temp. In (°F)	T_{mo} Gas Meter Temp. Out (°F)	T_s Stack Gas Temp. (°F)	V_m Gas Sample Volume (FT³)	Sample Time	Pump Vacuum ("HG)	Sample Box Temp. (°F)
1	A1-1/10	1.8101	1.1616	1710	1710	1/1445	505.53	3 min.	0=6"	
2	191	1.8771	1.1715	1816	1712	1/1441	506.92		1.35	
3	181	1.9101	1.1717	[illegible]	1712	1/1441	508.38		4.4	
4	171	1.9121	1.1810	1818	1714	1/1441	509.86		7.9	
5	161	1.915	1.1813	1/1012	1716	1/1410	511.35		12.2	
6	151	1.1015	1.1912	1/1014	1716	1/1411	512.88		18.5	
7	141	1.9151	1.1814	1/1016	1718	1/1442	514.49		35.5	
8	131	1.9101	1.1810	1/1018	1718	1/1411	516.05		41.8	
9	1[illegible]1	1.9101	1.1810	1/1018	1810	1/1412	517.57		46.1	
10	111	1.9101	1.1810	1/1110	1810	1/1410	519.07	519.07	49.6	
11	B-1/101	1.9101	1.1717	1818	1718	1/1444	520.55		52.6	
12	191	1.9151	1.1814	1/1016	1812	1/1443	522.05			
13	181	1.1001	1.1818	1/1112	1814	1/1441	523.61			
14	171	1.9171	1.1816	1/1114	1814	1/1441	525.20		27.50	
15	161	1.1001	1.1819	1/1114	1816	1/1441	526.79			
16	151	1.1001	1.1910	1/1116	1816	1/1410	528.39			
17	141	1.9121	1.1813	1/1117	1817	1/1140	529.98			
18	131	1.9101	1.1811	1/1118	1818	1/1140	531.54			
19	121	1.9101	1.1811	1/1118	1818	1/1139	533.10		536.	13
20	111	1.1818	1.179	1/1210	1910	1/1318	534.62			

Source Test Data Form: Data for Particulate Test EPA Method 5

Client: L-P Dawson	Filter No: BB + BB-small		Date: June 20/94
Test Number: 2-Condensibles	Flask No: 17		Comments: M-0145
Process: EFB Dryer Stack #7	Silica Gel: AA		CP-86744AS 15-90
Barometric Pressure: 27.8	Assumed Moisture: 20		Pitot 149
Static Pressure: 27.83	Assumed Meter Temp:		Console 170
Nozzle Diameter: .182	Start Time: 2:20 PM		Tester 1: Mike/Dan
"C" Correction Factor: .89	Stop Time: 3:30		Tester 2:
			Leakage Rate @ ✓ 15"

	Time	CO_2	O_2	CO	N_2
1		3	17		80
2		3	17		
3		3	17		
4					

Impinger Volume	1	2	3
Final	544	414	
Initial	250	150	

	Sample Point	Velocity Head (H_2O) ΔP	Orifice Press (H_2O) ΔH	Gas Meter Temp. In (F°) Tmi	Gas Meter Temp. Out (F°) Tmo	Stack Gas Temp. (F°) Ts	Gas Sample Volume (FT³) Vm	Sample Time	Pump Vacuum ("HG)	Sample Box Temp. (F°)
1	B-10	.915	.1813	90	86	141	536.29	3 min		
2	9	.915	.1815	106	88	139	537.85			
3	8	.915	.1815	110	90	137	539.41			
4	7	.900	.1910	114	88	138	540.98			
5	6	.900	.190	116	88	140	542.58			
6	5	.917	.1817	116	88	141	544.17			
7	4	.917	.1817	116	88	139	545.75			
8	3	.915	.1816	118	88	138	547.32			
9	2	.910	.1811	118	88	135	548.89			
10	1	.910	.1812	118	88	134	550.44			
11	A-10	.815	.1714	118	86	144	551.98			
12	9	.910	.1719	112	86	144	553.44			
13	8	1.00	.1819	116	88	144	554.92			
14	7	1.015	.1914	118	88	145	556.52			
15	6	.910	.1812	118	88	143	558.17			
16	5	.913	.1813	118	88	143	559.70			
17	4	.915	.1815	118	88	141	561.28			
18	3	1.00	.1916	118	89	140	562.85			
19	2	.910	.1910	118	88	140	564.45			
20	1	.815	.1716	118	88	139	566.00			

567.45

5 STORED LHE4-B, 1.14 SOURCE TEST DATA FORM Data for ... ...

Date: JUNE 20/94

CLIENT: L-P DAWSON
Test Number: 1- HYDROGEN CYANIDE
Process: E.F.B. DRYER - SAMPLE #7
Barometric Pressure: 27.8
Static Pressure: 27.85
Nozzle Diameter: .192
"C" Correction Factor: .59

Filter No.: CC
Flask No.: 17
Gases Get: CC
Assumed Moisture: 20
Assumed Meter Temp.:
Start Time: 4:00
Stop Time: 5:08

	TIME	CO_2	O_2	CO	N_2
1		3	17		
2		3	17		
3		3	17		
4					

Impinger Volume	1	2	3
Final	457		
Initial	150	150	

TOTAL 300

Comments: M1-DT45
CP .8744 As /590
PITOT K18
CANISTER 770
Tester 1: MIKE/DAN
Tester 2:
Leakage Rate @ ✓ "HG/5"

	SAMPLE POINT	VELOCITY HEAD (H_2O) ΔP	ORIFICE PRESS (H_2O) ΔH	GAS METER TEMP. IN (F°) Tmi	GAS METER TEMP. OUT (F°) Tmo	STACK GAS TEMP. (F°) Ts	GAS SAMPLE VOLUME (F³) Vm	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)
1	A-10	.910	.717	81	71	144	567.60	3 MIN		
2	9	.915	.812	102	81	139	569.09			
3	8	.915	.814	108	81	139	570.61			
4	7	.915	.815	110	81	137	572.13			
5	6	.917	.817	112	81	136	573.71			
6	5	1.010	.910	114	81	135	575.29			
7	4	.915	.815	114	81	137	576.89			
8	3	.915	.815	114	81	137	578.47			
9	2	1.010	.819	114	81	137	580.03			
10	1	1.010	.819	114	81	138	581.62			
11	B-10	.910	.719	98	610	141	583.24		22.76	
12	9	.912	.812	112	812	138	584.76			
13	8	.913	.813	114	812	138	586.28			
14	7	.915	.815	116	813	139	587.83		556	
15	6	.910	.811	116	813	138	589.40			
16	5	.910	.811	116	813	137	590.93			
17	4	.910	.811	116	813	138	592.45			
18	3	.912	.812	116	813	136	593.96			
19	2	.913	.814	116	813	137	595.51		598.63	
20	1	.915	.815	116	813	138	597.08			

65 96.5

SOURCE TEST CODING FORM Data for Particulate Gaseous Emiss

Page No.

CLIENT: C P DAWSON
Test Number: 2-HYDROGEN CYANIDE
Process: E-F-B DRYER STACK #7
Barometric Pressure: 27.8
Static Pressure: 27.85
Nozzle Diameter: .182
"C" Correction Factor: .89

Filter No.: CC
Flask No.: 17
Stack Gas: CC
Assumed Moisture: 20
Assumed Meter Temps:
Start Time: 5:22
Stop Time: 6:15

	TIME	CO_2	O_2	CO	N_2
1		2	17		-
2		3	17.5		
3		2.5	17		
4					

Impinger Volume	1	2	3
Final	456		
Initial	150	150	—

Date: JUNE 20/94
Comments: M I DIKS
CB 65744 AS 15.90
PITOT 148
CONSOLE 170
Tester 1:
Tester 2:

300 TOTAL Leakage Rate @ ✓ "HG/5"

	SAMPLE POINT	VELOCITY HEAD (H_2O) ΔP	ORIFICE PRESS (H_2O) ΔH	GAS METER TEMP. IN (F°) Tmi	GAS METER TEMP. OUT (F°) Tmo	STACK GAS TEMP. (F°) Ts	Vm GAS SAMPLE VOLUME (F³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)
1	B-10	.915	1.812	86	78	140	598.85	3 Min		
2	9	.912	1.811	104	810	140	600.37			
3	8	.915	1.814	108	811	141	601.88			
4	7	.915	1.815	112	811	139	603.42			
5	6	.915	1.815	114	811	139	604.98			
6	5	.912	1.812	114	811	141	606.54			
7	4	.910	1.810	115	811	142	608.07			
8	3	.910	1.810	115	811	141	609.56			
9	2	.912	1.812	116	812	142	611.05			
10	1	.915	1.815	116	812	144	612.56			
11	A-10	.915	1.813	912	814	143	614.08			
12	9	.913	1.812	112	812	142	615.67			
13	8	.910	1.810	116	812	142	617.20			
14	7	.910	1.810	116	812	141	618.71			
15	6	.910	1.810	118	813	142	620.20			
16	5	.910	1.810	118	813	142	621.68			
17	4						623.14			
18	3									
19	2									
20	1									

TEST 12 min SHORT OF 1 HR. FAN BLEW APART!

SOURCE TEST CODING FORM — Data for Particulate Gaseous Emissions Pg —

SCORED LE FB 294..

CLIENT:	L P DAWSON
Test Number:	1 - FORMALDEHYDE
Process:	E-F-B DRYER SOURCE #7
Barometric Pressure:	27.82
Static Pressure:	27.65
Nozzle Diameter:	.187
"C" Correction Factor:	.89
Filter No.:	DD
Flask No.:	D
Silica Gel:	DD
Assumed Moisture:	20
Assumed Meter Temp.:	
Start Time:	9:16 A.M.
Stop Time:	10:22 A.M.

	TIME	CO_2	O_2	CO	N_2
1		3	17		
2		3	17.5		
3		3	17.5		
4					

Impinger Volume	1	2	3
Final	462		
Initial	150	150	

Date: JUNE 21/94

Comments: M-0145

CP. 86482 AS 15-90

PITOT 149

CONSOLE 170

Tester 1: MIKE/DAN

Tester 2:

Leakage Rate @ ✓ "HG 1511

	1 SAMPLE POINT	2 ΔP VELOCITY HEAD (H_2O)	4 ΔH ORIFICE PRESS (H_2O)	5 Tmi GAS METER TEMP. IN (F°)	6 Tmo GAS METER TEMP. OUT (F°)	3 Ts STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. LAST IMP.
							623.28	2 MIN			
1	A1-11101	1.19101	1.1.181	111014	11014	1142	624.69				
2	11191	1.1815T	11.175	11104	11190	11146	626.12				
3	11181	1.1815T	11.1715	11106	111818	11145	627.55				
4	11171	1.19101	11.179	11108	186	11144	629.03				
5	11161	1.1915T	11.1814	11112	1816	11145	630.55				
6	11151	1.1915T	11.1814	1114	11816	11144	632.09				
7	1141	1.1915T	11.1814	11116	11816	1143	633.63				
8	11131	1.19101	11.181	11118	11818	11143	635.13				
9	1114	1.1915T	11.185	11210	11818	11142	636.65				
10	11.111	1.19101	11.1811	11210	11188	11142	638.15				
11	A1-11101	1.1815T	11.176	11112	11190	11144	639.59				
12	11191	1.1815T	11.176	11210	11910	11143	641.02				
13	11181	1.19101	11.1811	11128	11910	11144	642.49				
14	11171	1.19101	11.1811	11213	11910	11146	643.99				
15	11161	1.1915T	11.185	11213	11910	11143	645.53				
16	1115T	1.1915T	11.1815	11214	11910	11142	647.05				
17	11141	1.19171	11.1817	11214	11910	11142	648.62				
18	11131	1.19101	11.1811	111214	11910	11147	650.13		651.12		
19	11121	1.19101	11.1811	111214	11910	11147	651.64				
20	11111	1.1815T	11.1717	111214	11910	11139					

SOURCE TEST CODING FORM Data for Particulate Gaseous Emissions

Page No. ____

CLIENT: L.P. DAWSON
Test Number: 2 - FORMALDEHYDE
Process: E.F.B. DRYER - CHARGE #
Barometric Pressure: 27.82
Static Pressure: 27.65
Nozzle Diameter: .182
"C" Correction Factor: .89

Filter No.: DD
Flask No.: 17
Glass Cat: DD
Assumed Moisture: 20
Assumed Meter Temp.: ____
Start Time: 11:13 A.M.
Stop Time: 12:20 P.M.

	TIME	CO_2	O_2	CO	N_2
1		3	17		
2		3	17.5		
3		3	17		
4					

Impinger Volume	1	2	3
Final	486		
Initial	150	150	

Date: JUNE 21 [illegible]
Comments: M 1:0145
CP - 86482 AT 15.90
PITOT 149
CANISTER 170
Tester 1: MIKE / DW
Tester 2: ____
Leakage Rate @ ✓ "HG 15"

	SAMPLE POINT	VELOCITY HEAD (H₂O) ΔP	ORIFICE PRESS (H₂O) ΔH	GAS METER TEMP. IN (F°) Tmi	GAS METER TEMP. OUT (F°) Tmo	STACK GAS TEMP. (F°) Ts	GAS SAMPLE VOLUME (FT³) Vm	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. LAST IMP.
1	A1-10	.815	1.75	100	94	145	653.24	3 MIN			
2	9	.815	1.75	106	90	144	654.69				
3	8	.910	1.80	114	90	143	656.13				
4	7	.912	1.82	118	90	143	657.63				
5	6	.912	1.82	120	90	146	659.16				
6	5	.915	1.85	120	90	146	660.70				
7	4	.915	1.85	120	90	145	662.30				
8	3	.910	1.81	120	90	145	663.86				
9	2	.910	1.81	120	90	144	665.39				
10	1	.815	1.76	120	90	143	666.92				
11	A1-10	.815	1.76	106	92	142	668.39				
12	9	.815	1.76	116	90	142	669.88				
13	8	.815	1.76	120	90	142	671.33				
14	7	.910	1.81	122	90	139	672.78				
15	6	.99	1.81	122	90	140	674.29				
16	5	.910	1.81	122	90	141	675.79				
17	4	.915	1.815	122	90	141	677.30				
18	3	.915	1.816	123	90	140	678.83				
19	2	.915	1.816	123	90	138	680.38				
20	1	.915	1.816	123	91	139	681.93	7683.49			

SOUPCE TEST CONING FORM Data for Particulate Gaseous Emissions Page No. ___

CLIENT: L-P DANSON
Test Number: 1 - FORMALDEHYDE
Process: PRESS VENT - SUNNEL #15
Barometric Pressure: 27.82
Static Pressure: +.5 "H_2O
Nozzle Diameter: .182
"C" Correction Factor: 1.30

Filter No.: DD
Flask No.: M
Silica Gel: BR
Assumed Moisture: 2
Assumed Meter Temp: ___
Start Time: 3:25 PM
Stop Time: 4:39 PM

	TIME	CO_2	O_2	CO	N_2
1		0	21		79
2					
3					
4					

Impinger Volume	1	2	3
Final	297		
Initial	150	150	

Date: JUNE 21/9.
Comments: M 1-045 ☐
CP 86381 AS-57-5
PITT 1/9 SQUARE
CONSTR 170
Tester 1: MIKE/DAN
Tester 2: ✓
Leakage Rate @ ___ "HG 15

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. @ LAST IMP
1	A-1	1.4181	1.1602	1 1811	1 1814	1 1/1017	687.72	3 MIN	- 2 -		
2	1 1A 1	1.1501	1.1615	1 1/1100	1 1812	1 1/1110	685.05				
3	1 1B 1	1.1501	1.1615	1 1/1014	1 1812	1 1/1111	686.43				
4	1 1C 1	1.1415T	1.1558	1 1/1018	1 1812	1 1/1112	687.80		FLOWS CYCLING		
5	1 1D 1	1.1315T	1.1446	1 1/1112	1 1814	1 1/1019	689.10		VERY ERATIC.		
6	B-1	1.1612	1.1882	1 1/1012	1 1815	1 1/1017	690.25				
7	1 2A 1	1.1621	1.1883	1 1/1114	1 1818	1 1/1018	691.82				
8	1 2B 1	1.1613	1.1814	1 1/1116	1 1819	1 1/1118	693.38				
9	1 2C 1	1.1518T	1.1716	1 1/1118	1 1818	1 1/1212	694.93				
10	1 2D 1	1.1501	1.1607	1 1/1210	1 1816	1 1/1019	696.42				
11	C-1	1.1613	1.1813	1 1/1014	1 1910	1 1/1019	697.84				
12	1 3A 1	1.1401	1.1513	1 1/1118	1 1912	1 1/1018	699.39				
13	1 3B 1	1.1401	1.1514	1 1/1212	1 1912	1 1/1015	700.74				
14	1 3C 1	1.1401	1.1514	1 1/1212	1 1912	1 1/1016	702.07				
15	1 3D 1	1.1301	1.1411	1 1/1214	1 1913	1 1/1016	703.36				
16	D-1	1.1401	1.1513	1 1/1112	1 1912	1 1/1016	704.48				
17	1 4A 1	1.1401	1.1513	1 1/1210	1 1912	1 1/1111	705.73				
18	1 4B 1	1.1315T	1.1446	1 1/1212	1 1912	1 1/1115	706.98				
19	1 4C 1	1.1415T	1.1602	1 1/1214	1 1912	1 1/1115	708.13		710.74		
20	1 4D 1	1.1415T	1.1611	1 1/1214	1 1912	1 1/1017	709.42				

Storm L... T...

SOURCE TEST CODING FORM Data for Particulate Gaseous Emissions

Page No. ____

CLIENT: L-P DAWSON

Test Number: 2 - FORMALDEHYDE

Process: PRESS VENT - SOURCE #15

Barometric Pressure: 27.82

Static Pressure: -.5" H_2O

Nozzle Diameter: .182

"C" Correction Factor: 1.35

Filter No: DD

Flask No: 17

Silica Gel: BB

Assumed Moisture: 0

Assumed Meter Temp: ____

Start Time: 5:14 PM.

Stop Time: 6:30

	ME	CO_2	O_2	CO	N_2
1					
2					
3					
4					

Impinger Volume	1	2	3
Final	29.7		
Initial	250	150	

Date: JUNE 21 ...

Comments: M1-0145
CP-86381 IS 57.5"SQ
PITT NO
CANDLE 170

Tester 1: MIKE/DAN

Tester 2: ____

Leakage Rate @ ____ "HG ____

	Sample Point	ΔP Velocity Head (H_2O)	ΔH Orifice Press (H_2O)	Tmi Gas Meter Temp. In (F°)	Tmo Gas Meter Temp. Out (F°)	Ts Stack Gas Temp. (F°)	Vm Gas Sample Volume (FT³)	Sample Time	Pump Vacuum ("HG)	Sample Box Temp. (F°)	Temp. Last Imp.
1	01-15	.1401	.1512	910	816	1118	710.99	3 Min			
2	14	.1401	.1513	1106	818	1118	712.23				
3	13	.1421	.1517	1112	818	1108	713.49				
4	12	.1451	.1611	1114	818	1019	714.74				
5	11	.1451	.1611	1118	818	1104	716.06				
6	C-15	.1501	.1617	1014	818	1016	717.39				
7	14	.1501	.1617	1112	910	1112	718.80				
8	13	.1401	.1513	1118	910	1112	720.20				
9	12	.1401	.1514	1210	910	1115	721.45				
10	11	.1301	.1411	1212	910	1017	722.69				
11	B-15	.1621	.1812	1016	818	1115	723.75				
12	14	.1621	.1812	1118	910	1120	725.30				
13	13	.1518	.1719	1210	910	1111	726.85				
14	12	.1518	.1719	1211	910	1109	728.39				
15	11	.1401	.1515	1212	912	1017	729.88				
16	A-15	.1515	.1713	1106	818	1118	731.19				
17	14	.1401	.1514	1110	910	1019	732.66				
18	13	.1501	.1618	1120	910	1017	733.96				
19	12	.1501	.1618	1212	910	1017	735.37				
20	11	.1401	.1514	1212	910	1016	736.79 → 738.12				

SOURCE TEST CODING FORM Data for Particulate Gaseous Emissic

Page No. ___

CLIENT: LP DAWSON
Test Number: 1
Process: ISAACS KESSEL
Barometric Pressure: 27.8
Static Pressure: -1.9" H2O
Nozzle Diameter: .265
"C" Correction Factor: .83

Filter No.: 14
Flask No.: 14
Silica Gel: 14
Assumed Moisture: 12
Assumed Meter Temp.: ___
Start Time: 8:52
Stop Time: ___

	TIME	CO_2	O_2	CO	H_2
1		4	17		
2					
3					
4					

Impinger Volume	1	2	3
Final			
Initial	250	150	

Date: JUNE 22/94
Comments: M1:0145
CP .8598 AS (67.5")
PUMP 149
CALIBRATE 170
Tester 1: MIKE/MM
Tester 2: ___
Leakage Rate @ ✓ "HG 15"

	SAMPLE POINT	VELOCITY HEAD (ΔP)	ORIFICE PRESS (ΔH)	GAS METER TEMP. IN (Tm)	GAS METER TEMP. OUT (Tm)	STACK GAS TEMP. (Ts)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (°F)	TEMP. LAST IM
1	A1	1.021	1.1614	1 1910	1 1618	1 131914	738.24	2 MN			
2	1	1.1211	1.1617	1 1916	1 1816	1 131910	739.14		1		
3	1	1.1212	1.1711	1 111014	1 1816	1 131911	740.06		2.9		
4	1	1.1211	1.1618	1 111018	1 1816	1 131912	741.00		5		
5	1	1.1161	1.1512	1 111111	1 1816	1 131912	741.92		7.3		
6	1	1.1201	1.1615	1 111112	1 1816	1 131913	742.74		9.8		
7	1	1.1191	1.1612	1 111114	1 1816	1 131916	743.62		12.6		
8	1	1.1211	1.1618	1 111116	1 1817	1 131916	744.52		15.8		
9	1	1.1251	1.1811	1 111118	1 1818	1 131916	745.46		19.8		
10	1	1.1181	1.1519	1 111216	1 1818	1 131916	746.45		25.6		
11	1	1.1217	1.1818	1 111210	1 1818	1 131917	747.34		41.4		
12	1	1.1151	1.1419	1 111212	1 1818	1 131918	748.36		47		
13	1	1.1181	1.1518	1 111212	1 1810	1 131919	749.17		51.2		
14	1	1.1161	1.1512	1 111212	1 1910	1 131917	750.04		54.4		
15	1	1.1101	1.1410	1 111212	1 1910	1 131919	750.86		57.2		
16	1	1.1151	1.1419	1 111212	1 1810	1 131915	751.55		59.7		
17	1	1.1181	1.1519	1 111213	1 1910	1 131914	752.30		62		
18	1	1.1191	1.1612	1 111213	1 1810	1 131915	753.17		64		
19	1	1.1181	1.1519	1 111018	1 1910	1 131914	754.04		66		
20	1	1.1171	1.1516	1 111116	1 1912	1 131914	754.92				

SOURCE TEST CODING FORM Data for Particulate Gaseous Emissions

Page No. ___

CLIENT: LP DAWN
Test Number: 1 UNIT
Process: KILNS KOSSET (?)
Barometric Pressure: 27.8
Static Pressure: ___
Nozzle Diameter: ___
"C" Correction Factor: ___

Filter No.: 14
Flask No.: 14
Silica Gel: 14
Assumed Moisture: ___
Assumed Meter Temp.: ___
Start Time: ___
Stop Time: 10:15

	TIME	CO_2	O_2	CO	N_2
1					
2					
3					
4					

Impinger Volume	1	2	3
Final	450		
Initial			

Date: JUNE 22/14 (?)
Comments: ___
Tester 1: ___
Tester 2: ___
Leakage Rate @ ✓ "HG 15"

	SAMPLE POINT	VELOCITY HEAD (H_2O) ΔP	ORIFICE PRESS (H_2O) ΔH	GAS METER TEMP. IN (F°) Tmi	GAS METER TEMP. OUT (F°) Tmo	STACK GAS TEMP. (F°) Ts	GAS SAMPLE VOLUME (FT³) Vm	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. LAST IMP.
1	B-1161	1.1181	1.1.159	11212	11912	131913	755.77	2 min			
2	1115T	1.1181	1.1.159	1124	11913	131910	756.64				
3	1161	1.1181	1.1.159	11124	1193	131915	757.51				
4	11131	1.1191	1.1.161	11216	11914	13196	758.35				
5	1124	1.1191	1.1.161	11216	11914	131917	759.30				
6	11111	1.11171	1.1.156	111216	11914	131917	760.20				
7	11101	1.11171	1.1.156	111218	11914	1399	761.05				
8	11171	1.11171	1.1.156	11218	11914	114011	761.90				
9	11121	1.11181	1.1.159	111218	11915	114010	762.74				
10	11.171	1.11181	1.1.159	111218	11915	114010	763.62				
11	11161	1.11191	1.1.1612	111218	11915	131919	764.50				
12	1115T	1.11191	1.1.1613	111310	11916	131918	765.38				
13	11141	1.11171	1.1.156	111310	11916	131918	766.26				
14	11131	1.11161	1.1.153	111310	11916	131916	767.11				
15	11121	1.11171	1.1.156	111310	11916	131916	767.92				
16	11111	1.11181	1.1.160	111310	11916	131916	768.75				
17							769.61				
18											

SOURCE TEST CODING FORM Data for Particulate Gas Emissions

CLIENT:	L.P. DAWN
Test Number:	2
Process:	KESSEL
Barometric Pressure:	27.8
Static Pressure:	T. 12" H2O
Nozzle Diameter:	.265
"C" Correction Factor:	
Filter No.:	16
Flask No.:	16
Silica Gel:	16
Assumed Moisture:	12
Assumed Meter Temp.:	
Start Time:	10:23
Stop Time:	

	TIME	CO_2	O_2	CO	H_2
1		4	17		
2					
3					
4					

Impinger Volume	1	2	3
Final			
Initial	760	150	

Date: JUNE 22/94

Comments: M1.0145
CP 85948 AS 24.85
Root 144
CONTROL 170

Tester 1: MIKE/DAN

Tester 2:

Leakage Rate @ ______ "HG ______

	1 SAMPLE POINT	2 ΔP VELOCITY HEAD (H_2O)	4 ΔH ORIFICE PRESS (H_2O)	5 Tmi GAS METER TEMP. IN (F°)	6 Tmo GAS METER TEMP. OUT (F°)	7 Ts STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. LAST IMP.
1	A-1118	1.117	1.1575	918	914	13912	769.80	2 min			
2	117	1.117	1.1576	1118	918	13918	770.63				
3	116	1.117	1.1576	1/1214	919	14011	771.47				
4	1/15	1.1/18	1.159	1/1216	919	14012	772.31				
5	114	1.1/19	1.1613	1/1218	1/100	1409	773.18				
6	1/13	1.118	1.1579	11310	1/100	14012	774.07				
7	1/12	1.1/17	1.1576	1/1310	1/100	14013	774.93				
8	1/11	1.1/17	1.1576	11310	1/100	14014	775.77				
9	1/10	1.1/16	1.1513	1/1310	1/100	14014	776.61				
10	1.17	1.118	1.1579	1/1310	1/100	14016	777.43				
11	118	1.118	1.1579	11310	11100	14016	778.29				
12	117	1.1/17	1.1576	11310	11100	14016	779.15				
13	116	1.1/18	1.1519	11310	1/100	14013	780.00				
14	115	1.1/19	1.1612	11312	1/100	14013	780.87				
15	114	1.1/19	1.1612	11312	1/100	14012	781.76				
16	113	1.1/18	1.1610	1/1312	1/100	13919	782.65				
17	112	1.116	1.1573	1/1312	1/100	13918	783.53				
18	111	1.1/18	1.1610	1/1312	1/100	13918	784.35				
19	A-1/18	1.117	1.1575	1/110	1914	14010	785.22				
20	117	1.117	1.1576	1/1216	1/100	13919	786.09				

SOURCE TEST CODING F[illegible] [illegible] Data for Particulate / Gaseous Emissions

P[illegible] No. ______

CLIENT: L-P DAWSON
Test Number: 2 LAST
Process: KOSIE
Barometric Pressure: 27.8
Static Pressure: ______
Nozzle Diameter: .265
"C" Correction Factor: ______

Filter No.: 16
Flask No.: 16
Silica Gel: 16
Assumed Moisture: 12
Assumed Meter Temp.: ______
Start Time: ______
Stop Time: 11:38

	TIME	CO_2	O_2	CO	N_2
1		4	17		
2					
3					
4					

Impinger Volume	1	2	3
Final:	450		
Initial:	250	150	

Date: JUNE 22/94
Comments: ______

Tester 1: MIKE/DAN
Tester 2: ______
Leakage Rate @ ✓ "HG 15"

	1 SAMPLE POINT (1–5)	2 ΔP VELOCITY HEAD (H_2O) (10)	4 ΔH ORIFICE PRESS (H_2O) (15)	5 Tm GAS METER TEMP. IN (F°) (20)	6 Tm2 GAS METER TEMP. OUT (F°) (25)	3 Ts STACK GAS TEMP. (F°) (30)	Vm GAS SAMPLE VOLUME (FT^3)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F°)
1	A1-16	.115	.149	1310	1100	400	786.95	2 MIN			
2	15	.116	.153	130	100	398	787.77				
3	1N	.115	.149	132	100	401	788.62				
4	13	.117	.156	132	1010	401	789.42				
5	12	.116	.153	132	1010	402	790.30				
6	11	.116	.153	132	100	403	791.15				
7	11	.117	.156	132	1010	403	792.00				
8	6	.115	.149	132	100	404	792.87				
9	1	.116	.153	134	100	403	793.67				
10	1	.117	.153	134	100	398	794.47				
11	6	.115	.149	134	1017	403	795.29		26.3		
12	5	.117	.156	134	1011	401	796.07				
13	4	.117	.156	134	1011	399	796.90				
14	3	.115	.150	134	1011	397	797.74				
15	2	.115	.150	134	1191	395	798.56				
16	1	.115	.150	135	1102	394	799.36				
17		.	.[illegible]		[illegible]		800.14				
18		.	.								
19		.	.								
20		.	.								

SOURCE TEST CODING . JRM Data for Particulate / Gaseous Emissions

CLIENT: L PACIFIC DAWSON
Test Number: 1-MD1
Process: BAGHOUSE
Barometric Pressure: 27.8
Static Pressure: -20.0 "H2O
Nozzle Diameter: 0.185
"C" Correction Factor: ____

Filter No.: 7
Flask No.: 7
Silica Gel: 7
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 1:45
Stop Time: 2:55

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2		0	21		
3					
4					

Impinger Volume	1	2	3
Final:	212	205	195
Initial:	300	200	200

Date: JUNE 20/96
Comments: DIAM 325 0-67
AS 5.7C DOWN 2 OFF @ 75"
3.4, 6.3, 10.4, 22.0, 26.2, 29.7
CP 8662 METER 1.0115
Tester 1: PETE
Tester 2: CONRAD
BEGIN 015 15"
Leakage Rate @ ____ "HG
END 013

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
1	A1-18	1.18	1.81	1718	1714	1719	163.61	4	PROBE WASH	AHEAD	
2	17	1.18	1.11	1811	1714	1711	165.92		CYCLONE OF 1ST IMP SEPARATE		
3	16	1.19	1.12	1813	1715	1711	168.30		CONTAINER		
4	15	1.17	1.01	1815	1716	1718	170.78				
5	14	1.1	1.1	1819	1716	1910	173.13	←	NOT ABLE TO SAMPLE		
6	13	1.12	1.01	1910	1810	1818	175.65		ISOKINETICS		
7	12	1.12	1.01	1914	1811	1910	177.97		GOING TO SAMPLE		
8	11	1.12	1.01	1917	1812	1910	180.22		AT AH 1.6		
9	B1-18	1.11	1.01	1818	1814	1714	182.51		FOR REST		
10	17	1.14	1.01	1917	1816	1619	184.71		OF TR		
11	16	1.14	1.01	1101	1817	1618	186.98				
12	15	1.19	1.01	11013	1818	1812	189.20				
13	14	1.18	1.01	11014	1818	1817	191.43				
14	13	1.12	1.01	11015	1910	1911	193.67				
15	12	1.12	1.01	11015	1912	1911	195.92	←	TOLUENE SMELL AFTER IMP.		
16	11	1.11	1.01	11016	1912	1911	198.17		1ST CHARCOAL		
17		1.					200.36		USED UP		
18		1.									
19		1.									
20		1.									

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 2 MD1
Process: BAGHOUSE
Barometric Pressure: 27.8
Static Pressure: -20.4" H2O
Nozzle Diameter: 0.185
"C" Correction Factor: ____

Filter No.: 7
Flask No.: 7
Silica Gel: 7
Assumed Moisture: 0
Assumed Meter Temp.: ____
Start Time: 4:20
Stop Time: 5 30

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	215	217	203
Initial:	300	200	200

Date: JUNE 20/94
Comments: AS 5.76
CP 8667 MEER 1.0115

Tester 1: PIT 147
Tester 2: CCW 980
A24 015 15
Leakage Rate @ ____ "HG ____

	1	2	4	5	6	3
	1 5	ΔP 10	ΔH 15	Tm 20	Tms 25	Ts 30
	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)
1	A1-18	1.21	1.01	1812	1716	1618
2	17	1.21	1.01	1813	1716	1616
3	16	1.21	1.01	1815	1718	1619
4	15	1.23	1.01	1910	1819	1815
5	14	1.31	1.01	1913	1810	1816
6	13	1.31	1.01	1915	1812	1911
7	12	1.215	1.01	1917	1813	1911
8	11	1.31	1.01	1919	1815	1910
9	B1-18	1.21	1.01	1818	1815	1819
10	17	1.21	1.01	1918	1817	1618
11	16	1.21	1.01	1913	1819	1710
12	15	1.21	1.01	1914	1819	1812
13	14	1.31	1.01	1915	1910	1912
14	13	1.31	1.01	1916	1911	1911
15	12	1.31	1.01	1916	1912	1912
16	11	1.31	1.01	1916	1912	1912
17		1.	1.			
18		1.	1.			
19		1.	1.			
20		1.	1.			

Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
200.71	4			
202.71				
204.91				
207.10				
209.25				
211.42				
213.56				
215.75				
217.92				
220.10				
222.36				
224.44				
226.63				
228.82				
230.99				
233.17				
235.32				

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 1 PHENOLS
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4 "H2O
Nozzle Diameter: 0.125
"C" Correction Factor: ____

Filter No.: 1
Flask No.: 1
Silica Gel: 1
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 10:10
Stop Time: _:24

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	405		
Initial:	400		

Date: JUNE 21/94
Comments: AS 5.76
CP .8667 METER 1.0115

Tester 1: PIT 147
Tester 2: CON 980
Leakage Rate @ .015 / .013 "HG 15 / 15

	SAMPLE POINT	VELOCITY HEAD (H_2O) ΔP	ORIFICE PRESS (H_2O) ΔH	GAS METER TEMP. IN (F°) Tm	GAS METER TEMP. OUT (F°) Tm2	STACK GAS TEMP. (F°) Ts	GAS SAMPLE VOLUME (FT³) Vm	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F°)
1	A1-18	.21	1.35	77	74	64	235.99	4 MIN	8.5		
2	17	.21	1.35	80	74	64	237.27				
3	16	.21	1.35	87	76	64	238.56	GLASS AFTER FILTER			
4	15	.21	1.35	88	76	84	239.82	+ CONDENSER + COND			
5	14	.13	1.37	91	78	90	241.11	KNOCK UP WERE			
6	13	.13	1.37	89	82	97	242.42	ALL RINSED WITH			
7	12	.13	1.37	93	82	98	243.62	1:1 METHELYNE CHLORIDE			
8	11	.13	1.37	95	83	91	245.04	+ METHANOL + SAVED			
9	B1-18	.13	1.37	86	83	71	246.41	SEPARATELY			
10	17	.13	1.37	99	86	66	247.80				
11	16	.12	1.40	96	88	84	249.17	IMPINGER CONT WERE			
12	15	.14	1.40	100	89	87	250.52	ALSO SAVED IN			
13	14	.14	1.41	102	89	96	252.02	SEPARATE CONT.			
14	13	.15	1.44	102	90	93	253.46				
15	12	.15	1.44	102	91	92	254.98				
16	11	.15	1.44	102	91	89	256.49				
17		.	.				258.00				
18		.	.								
19		.	.								
20		.	.								

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC
Test Number: 2 PHENOLS
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4 "H2O
Nozzle Diameter: 0.125
"C" Correction Factor: ____

Filter No.: 2
Flask No.: 2
Silica Gel: 2
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 12:59
Stop Time: 2:07

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:			
Initial:			

Date: JUNE 21/94
Comments: AS 5.76
CP .8667 METER 1.015

Tester 1: ____
Tester 2: ____
Leakage Rate @ ____ "HG ____

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)
	1 5	ΔP 10	ΔH 15	Tm 20	Tm 25	Ts 30
1	A-1	1.13	1.13	715	715	715
2	1	1.13	1.13	718	714	717
3	6	1.15	1.14	813	714	715
4	5	1.1	1.13	816	715	818
5	4	1.1	1.14	819	716	913
6	3	1.1	1.14	912	718	913
7	2	1.14	1.14	914	719	914
8	1	1.14	1.14	916	811	913
9	B-1	1.14	1.14	817	818	712
10	1	1.14	1.14	917	814	712
11	6	1.15	1.14	918	815	713
12	5	1.12	1.13	917	815	816
13	4	1.1315	1.13	917	816	913
14	3	1.14	1.14	916	817	914
15	2	1.1315	1.13	918	817	914
16	1	1.1315	1.13	918	817	913
17						
18						
19						
20						

Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
258.18	4	8.5		
259.56				
260.95				
262.45				
263.87				
265.30				
266.75				
268.18				
269.58				
270.97				
272.39				
273.91				
275.26				
276.65				
278.08				
279.53				
280.94				

SOURCE TEST CODING FORM / Data for Particulate / Gaseous Emissions

Page No.

CLIENT: L PACIFIC DAWSON
Test Number: 1 FORMALD.
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4 "H2O
Nozzle Diameter: .125
"C" Correction Factor:

Filter No.: 2
Flask No.: 2
Silica Gel: 2
Assumed Moisture: 1
Assumed Meter Temp.:
Start Time: 2:55
Stop Time: 4:06

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	150	150	
Initial:	150	150	

Date: JUNE 21/94
Comments: AS 5.76
CP .8667 METER 1.0115

Tester 1: CON 920
Tester 2: PITT 47
Leakage Rate @ ____ "HG

	1 SAMPLE POINT	2 ΔP VELOCITY HEAD (H_2O)	4 ΔH ORIFICE PRESS (H_2O)	5 Tm GAS METER TEMP. IN (F°)	6 Tm GAS METER TEMP. OUT (F°)	3 Ts STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F°)
1	A1-18	1.31	1.37	175	175	180	281.11	4			
2	17	1.3	1.37	180	175	180	282.54				
3	16	1.15	1.43	185	175	179	283.98				
4	15	1.21	1.34	188	175	191	285.51				
5	14	1.31	1.37	186	177	1101	286.94				
6	13	1.31	1.37	192	178	1102	288.44				
7	12	1.31	1.37	194	179	1101	289.83				
8	1	1.31	1.37	196	181	1113	291.25				
9	B1-18	1.31	1.37	188	181	179	292.71				
10	17	1.31	1.37	198	183	176	294.09				
11	16	1.31	1.37	1100	184	181	295.51				
12	15	1.1	1.35	1108	185	190	296.91				
13	14	1.315	1.38	1102	186	1101	298.27				
14	13	1.315	1.38	1102	187	1101	299.73				
15	12	1.31	1.37	1102	187	1102	301.15				
16	1	1.31	1.37	1102	188	1101	302.54				
17		.	.				303.93				
18		.	.								
19		.	.								
20		.	.								

SOURCE TEST CODIN. :ORM: Data for Particulate / Gaseous Emission

Page No. ____

CLIENT: L PACIFIC
Test Number: 2 FORNALDI
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4
Nozzle Diameter: 0.125
"C" Correction Factor: ____

Filter No.: 2/2
Flask No.: ____
Silica Gel: 2
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 4:45
Stop Time: 5:55

	TIME	CO_2	O_2	CO	N_2
1					
2					
3					
4					

Impinger Volume	1	2	3
Final:	310		
Initial:	300		

Date: JUNE 21/94
Comments: AS 5.76
cp: .8667 METER 1.0115

Tester 1: ____
Tester 2: ____
Leakage Rate @ 010 "HG 15

	1	2	4	5	6	3
	1 SAMPLE POINT 5	ΔP VELOCITY HEAD (H_2O) 10	ΔH ORIFICE PRESS (H_2O) 15	Tm GAS METER TEMP. IN (F°) 20	Tm2 GAS METER TEMP. OUT (F°) 25	Ts STACK GAS TEMP. (F°) 30
1	A1-18	1.131	1.1316	1712	1717	1815
2	17	1.131	1.1316	1812	1716	1816
3	16	1.131	1.1316	1816	1717	1813
4	15	1.131	1.1316	1819	1717	1911
5	14	1.13151	1.1318	1911	1718	1.1010
6	13	1.131	1.1317	1913	1719	1.1017
7	12	1.131	1.1317	1915	1810	1.1013
8	11	1.131	1.1317	1917	1811	1.1011
9	A1-18	1.131	1.1310	1817	1812	1817
10	17	1.131	1.1310	1919	1814	1810
11	16	1.131	1.1317	1.1011	1815	1811
12	15	1.131	1.1317	1.1012	1816	1.1011
13	14	1.131	1.1318	1.1013	1818	1.1011
14	13	1.13151	1.1318	1.1014	1818	1.1012
15	12	1.13151	1.1318	1.1016	1910	1.1011
16	11	1.13151	1.1318	1.1017	1911	1.1012
17		1.	1.			
18		1.	1.			
19		1.	1.			
20		1.	1.			

Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
304.13	4			
305.55				
306.98				
308.40				
309.78				
311.17				
312.55				
313.93				
315.30				
316.67				
318.02				
319.39				
320.76				
322.11				
323.50				
324.83				
326.19				

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 3 MD1
Process: PRESS VENT
Barometric Pressure: 27.75
Static Pressure: -0.6 "H2O
Nozzle Diameter: .185
"C" Correction Factor: ____

Filter No.: 3
Flask No.: 3
Silica Gel: 3
Assumed Moisture: 0
Assumed Meter Temp.: ____
Start Time: 10:57
Stop Time: 12:11

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	625		
Initial:	300	200	200

Date: JUNE 22/94
Comments: AS 2296 S7.5 X S7.5
CP 85362 METER 1.0115
5.75 17.25 28.75 40.25
51.75 0 : 21
Tester 1: PIT
Tester 2: CON 980
Leakage Rate @ ____ "HG ____

	1 SAMPLE POINT	2 ΔP VELOCITY HEAD (H_2O)	4 ΔH ORIFICE PRESS (H_2O)	5 Tm GAS METER TEMP. IN (F°)	6 Tm GAS METER TEMP. OUT (F°)	3 Ts STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F°
1	A1-151	1.11 51	1 1.13 18	1 1 18 17	1 1 18 15	1 1 13 19	326.56	3			
2	141	1.15 01	11 1.12 18	1 1 19 11	1 1 18 15	1 1 12 15	327.64				
3	131	1.15 01	11 1.12 1C	1 1 19 14	1 1 18 16	1 1 11 10	329.48	IMPINGER CONT			
4	121	1.15 01	11 1.12 1F	1 1 19 16	1 1 15 10	1 1 11 9	331.40	+ IMP RINSING			
5	111	1.13 51	1 1.19 15	1 1 10 17	1 1 18 18	1 1 11 12	333.33	+ CONDENSER RINSING			
6	B1-151	1.13 51	1 1.19 10	1 1 19 15	1 1 19 10	1 1 11 13	335.03	AGS IN SAMPLE BOTTLE			
7	141	1.16 01	11 1.15 15	1 1 10 12	1 1 19 10	1 1 12 16	336.08	FRONT HALF CG			
8	131	1.15 51	11 1.14 10	1 1 10 13	1 1 19 11	1 1 11 17	338.78	GLASSWARE RINSE IN			
9	121	1.15 51	11 1.14 10	1 1 10 15	1 1 19 12	1 1 11 18	340.85	IN HOT BOX NET			
10	111	1.13 51	1 1.19 12	1 1 10 16	1 1 19 12	1 1 11 12	342.91	SAVED			
11	C1-151	1.15 16	11 1.13 10	1 1 10 11	1 1 19 14	1 1 11 13	344.59				
12	141	1.15 16	11 1.13 10	1 1 10 15	1 1 19 14	1 1 11 14	346.54				
13	131	1.15 01	11 1.13 10	1 1 10 17	1 1 19 14	1 1 11 12	348.47				
14	121	1.14 51	11 1.11 18	1 1 10 18	1 1 19 15	1 1 11 14	350.42				
15	111	1.13 51	1 1.19 12	1 1 10 19	1 1 19 15	1 1 11 13	352.29				
16	D1-151	1.11 51	1 1.13 19	1 1 10 10	1 1 19 16	1 1 11 19	353.96				
17	141	1.15 01	11 1.19 19	1 1 10 19	1 1 19 16	1 1 12 10	355.06				
18	131	1.15 01	11 1.12 19	1 1 10 19	1 1 19 16	1 1 11 10	356.98				
19	121	1.15 01	11 1.12 19	1 1 11 10	1 1 19 12	1 1 11 13	358.93				
20	111	1.	1.				360.91	362.55			

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No.

CLIENT: L PACIFIC DAWSON
Test Number: 4 MD1
Process: PRESS VENT
Barometric Pressure: 29.75
Static Pressure:
Nozzle Diameter: 0.185
"C" Correction Factor:

Filter No.: 3
Flask No.: 3
Silica Gel: 8
Assumed Moisture: 0
Assumed Meter Temp.:
Start Time: 12:4
Stop Time: 2:13

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	610		
Initial:			

Date: JUNE 22/94
Comments: AS 22.96
Cp 85362 METER 1.0815

Tester 1:
Tester 2:
Leakage Rate @ "HG

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
1	D1-15	.101	.215	192	191	129	362.73	3 MIN			
2	14	.1501	.216	196	191	131	363.63				
3	13	.1501	.216	198	191	110	365.48				
4	12	.1501	.310	200	191	118	367.40				
5	11	.1501	.219	201	192	113	369.35				
6	C1-15	.1501	.216	194	192	120	371.29				
7	14	.1501	.216	198	192	116	373.20				
8	13	.1501	.216	201	192	116	375.15				
9	12	.1401	.117	202	193	122	377.06				
10	11	.1301	.117	204	194	115	378.93				
11	B1-15	.1501	.216	199	194	123	380.45				
12	14	.1401	.113	203	194	119	382.40				
13	13	.1501	.216	206	195	112	384.25				
14	12	.1501	.216	207	195	113	386.15				
15	11	.1301	.118	208	196	112	388.05				
16	A1-15	.101	.215	198	197	118	389.67				
17	14	.1401	.210	207	197	112	390.55				
18	13	.1401	.115	208	197	114	392.29				
19	12	.1601	.513	209	197	116	394.10				
20	11	.1501	.218	209	197	115	396.15				

CALIBRATION CERTIFICATE
DRY GAS METER

DATE: MARCH 24, 1994

CONSOLE MANUF.: NAPP MODEL 31

CONSOLE I.D.: C-980

PARAMETER SUMMARY	RUN #1	RUN #2	RUN #3
Ta = Ambient (WTM) Temperature (oF.)	55.5	56.0	56.0
P=Pres. Differential at WTM ("Hg)	0.0625	0.1140	0.1589
Pb= Atmospheric Pressure ("Hg)	30.04	30.04	30.04
Pv= Vapour Pressure Water at Temp. Ta ("Hg)	0.4436	0.4517	0.4517
H=Pres. Differential at Orifice	1.0	2.0	3.0
Ti= Dry Test Meter Inlet Temp. (oF.)	75.2	74.6	84.8
To= Dry Test Meter Outlet Temp. (oF.)	64.0	65.0	66.6
Ri= Initial Dry Test volume (ft3)	105.05	110.52	115.95
Rf= Final Dry Test Volume (ft3)	110.03	115.46	120.92
Vi= Initial Wet Test Volume (ft3)	0.0	0.0	0.0
Vf= Final Wet Test Volume (ft3)	5.000	5.000	5.000
Pw= Pb - (^P/13.59) "Hg	29.9775	29.9260	29.8811
Pd= Pb + (^H/13.59) "Hg	30.1136	30.1872	30.2608
Tw= Ta +460 (oR.)	515.5	516.0	516.0
Td= [(Ti + To)/2] + 460 (oR.)	529.6	529.8	535.7
Bw= Pv/Pb ("Hg)	0.0148	0.0150	0.0150
WET TEST METER FACTOR (WTMF)	0.9998	0.9998	0.9998
(Calculated Y Value)(WTMF)	1.0115	1.0145	1.0156

Y (MEAN)(WTMF) = 1.0139

N.R. MCCALL & ASSOCIATES LTD.

ORIFICE METER CALIBRATION

DATE: MARCH 24, 1994

CONSOLE I.D. C-980

	RUN 1	RUN 2	RUN 3
MD= mol. wt. dry air	28.967	28.967	28.967
Pb=bar. pressure "Hg	30.04	30.04	30.04
Y=gas meter factor	1.0115	1.0115	1.0145
Delta H=	0.5	1	1.5
Ri=int. gas meter vol.	121.1	123.1	125.9
Rf=final gas meter vol.	122.98	125.72	129.08
min. samp	5	5	5
Qm=Y(Rf-Ri)/^T(FT3/MIN)	0.380324	0.530026	0.645222
	59.2	60.4	62.6
Tm=meter out temp. (oR.)	519.2	520.4	522.6
Pm=Pb + ^H	30.07679	30.11358	30.15038
SQRT(Tm/Pm*H/Md)	0.545864	0.772388	0.947397
Ko=orifice const.	0.696737	0.686217	0.681047

Ko MEAN = 0.688

Ko*4*144= 396.2882

N.R. McCALL & ASSOCIATES LTD.

ORIFICE METER CALIBRATION

DATE: MARCH 24, 1994

CONSOLE I.D. C-980

	RUN 4	RUN 5	RUN 6
MD= mol. wt. dry air	28.967	28.967	28.967
Pb=bar. pressure "Hg	30.04	30.04	30.04
Y=gas meter factor	1.0145	1.0156	1.0156
Delta H=	2	2.5	3
Ri=int. gas meter vol.	129.2	133	137.2
Rf=final gas meter vol.	132.81	137.01	141.56
min. samp	5	5	5
Qm=Y(Rf-Ri)/^T(FT3/MIN)	0.732469	0.814511	0.885603
	64.8	67.4	69.4
Tm=meter out temp. (oR.)	524.8	527.4	529.4
Pm=Pb + ^H	30.18717	30.22396	30.26075
SQRT(Tm/Pm*H/Md)	1.095592	1.227192	1.346049
Ko=orifice const.	0.66856	0.663719	0.657928

Ko MEAN = 0.663402

Ko*4*144= 382.1197

N.R. McCALL & ASSOCIATES LTD.

N.R. MCCALL & ASSOCIATES LTD.

CALIBRATION CERTIFICATE S - TYPE PITOT TUBE

DATE:	JAN. 24/94	BAROM. PRESSURE ("Hg)	30.05
PITOT I.D.:	147.0	W. TUNNEL TEMP. (oF.)	68.0
NOZZLE I.D.:	0.25		

WIND VELOCITY (ft/sec).	REF. PITOT IN. H2O	S - TYPE PITOT	PITOT FACTOR
10.10	0.02350	0.02847	0.89944
26.00	0.15564	0.20433	0.86401
40.36	0.37501	0.49160	0.86467
60.22	0.83475	1.09040	0.86620
82.54	1.56840	2.05702	0.86446
100.10	2.30675	3.09565	0.85459
		AVERAGE =	0.86890

NOTE: The new pitot tip should be installed so that the serial number engraved is aligned directly into the gas stream.

N.R. MCCALL & ASSOCIATES LTD.

CALIBRATION - S TYPE PITOT TUBE

DATE:	JAN. 25/94	BAROM. PRESSURE ("Hg)	30.20
PITOT I.D.:	118.0	W. TUNNEL TEMP. (oF.)	66.0
NOZZLE I.D.:	0.25		

WIND VELOCITY (ft/sec)	REF. PITOT IN. H2O	S - TYPE PITOT	PITOT FACTOR
9.57	0.02129	0.03090	0.82175
18.60	0.08032	0.11132	0.84092
38.31	0.34089	0.45851	0.85362
57.91	0.77886	1.03783	0.85763
73.09	1.24093	1.62044	0.86630
100.88	2.36350	3.19626	0.85132
		AVERAGE =	0.84859

NOTE: The new pitot tip should be installed so that the serial number engraved is aligned directly into the gas stream.

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 1 - MD1
Process: BAGHOUSE
Barometric Pressure: 27.8
Static Pressure: - 20.0" H2O
Nozzle Diameter: 0.185
"C" Correction Factor: ____

Filter No.: 7
Flask No.: 7
Silica Gel: 7
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 1:45
Stop Time: 2:55

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2		0	21		
3					
4					

Impinger Volume	1	2	3
Final	212	205	195
Initial	300	200	200

Date: June 20/96
Comments: DIAM 32.5 O=61 AS 5.7C DOWN 20FT UN 75' 3.4, 6.3, 10.4, 22.0, 26.2, 29.7 CP .8662 METER 1.0115
Tester 1: PITTY
Tester 2: CORRO
Leakage Rate @ BEGIN .015 15" "HG END .013

	1 SAMPLE POINT	2 ΔP VELOCITY HEAD (H_2O)	4 ΔH ORIFICE PRESS (H_2O)	5 Tm GAS METER TEMP. IN (F°)	6 Tm₂ GAS METER TEMP. OUT (F°)	3 Ts STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT^3)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F)
1	A1-8	.180	1.0	78	74	79	163.61	4	PROBE WAS	AHEAD	
2	7	.185	1.17	81	74	71	165.92		[illegible] OF 1ST [illegible]	SEPARATE	
3	6	.190	1.26	83	75	71	168.30		CONTA[illegible]		
4	5	.175	1.26	85	76	78	170.78				
5	4	1.1	1.30	87	76	80	173.13	←	NOT ABLE TO SAMPLE		
6	3	1.2	1.0	90	80	88	175.65		ISOK [illegible]		
7	2	1.2	1.0	94	81	90	177.97		GOING TO SAMP[illegible]		
8	1	1.2	1.0	97	82	90	180.22		AT A[illegible] 1.0		
9	B1-8	1.1	1.0	98	84	74	182.51		FOR R[illegible]		
10	7	1.4	1.0	97	86	69	184.77		OF TE[illegible]		
11	6	1.4	1.0	101	87	68	186.98				
12	5	.19	1.0	103	88	82	189.20				
13	4	1.2	1.0	94	86	87	191.43				
14	3	1.2	1.0	105	90	91	193.67				
15	2	1.2	1.0	105	92	91	195.92	←	TOLUENE SMELL AFTER 1ST		
16	1	1.1	1.0	106	92	91	198.17		IMP CHARCOAL USED UP		
17							200.36				
18											
19											
20											

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 2 MDI
Process: BAGHOUSE
Barometric Pressure: 27.8
Static Pressure: -20.4" H2O
Nozzle Diameter: 0.185
"C" Correction Factor: ____

Filter No.: 7
Flask No.: 7
Silica Gel: 7
Assumed Moisture: 0
Assumed Meter Temp.: ____
Start Time: 4:20
Stop Time: 5:30

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	215	212	203
Initial:	200	200	200

Date: June 20/94
Comments: As 5.76
Cp 8667 METER 1.0115

Tester 1: PIT 147
Tester 2: CCW 980
BCG 015 15
Leakage Rate @ ____ "HG ____

	SAMPLE POINT	ΔP VELOCITY HEAD (H_2O)	ΔH ORIFICE PRESS (H_2O)	Tm GAS METER TEMP. IN (F°)	Tm2 GAS METER TEMP. OUT (F°)	Ts STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F°)
1	A1-8	.2	.10	82	76	68	200.71	4			
2	7	.2	.10	83	76	66	202.71				
3	6	.2	.10	85	78	69	204.91				
4	5	.2	.10	95	[illegible]	85	207.10				
5	4	.3	.10	93	80	86	209.25				
6	3	.3	.10	95	82	91	211.42				
7	2	.25	.10	97	83	91	213.56				
8	1	.3	.10	99	85	90	215.75				
9	B1-8	.2	.10	88	85	89	217.92				
10	7	.2	.13	98	87	108	220.10				
11	6	.2	.10	103	88	110	222.36				
12	5	.2	.10	104	89	82	224.44				
13	4	.3	.10	105	90	92	226.63				
14	3	.3	.10	106	91	91	228.82				
15	2	.3	.16	106	92	92	230.99				
16	1	.3	.10	106	92	92	233.17				
17							235.32				
18											
19											
20											

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 1 PHENOLS
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -26.4 "H2O
Nozzle Diameter: 0.125
"C" Correction Factor: ____

Filter No.: 1
Flask No.: 1
Silica Gel: 1
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 10:10
Stop Time: 10:84

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	405		
Initial:	406		

Date: JUNE 21/94
Comments: AS 5.76
CP .8667 METER 1.0115

Tester 1: PIT 147
Tester 2: CON 980
Leakage Rate @ 015 / 013 "HG 15 / 15

	SAMPLE POINT (1–5)	VELOCITY HEAD (H_2O) ΔP (2)	ORIFICE PRESS (H_2O) ΔH (4)	GAS METER TEMP. IN (F°) Tm (5)	GAS METER TEMP. OUT (F°) Tm2 (6)	STACK GAS TEMP. (F°) Ts (3)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F°)
1	A1-8	.12	1.35	77	74	64	235.99	4 MIN	8.5		
2	7	.12	1.35	80	74	64	237.27				
3	6	.12	1.35	87	76	64	238.56	GLASS AFTER FILTER			
4	5	.12	1.35	88	76	84	239.82	+ CONDENSER + COND			
5	4	.13	1.37	91	78	90	241.11	KNOCK UP WERE			
6	3	.13	1.37	89	82	97	242.42	ALL RINSED WITH			
7	2	.13	1.37	93	82	98	243.62	1:1 METHELYNE CHLORIDE			
8	1	.13	1.37	95	83	91	245.04	+ METHANOL + SAVED			
9	B1-8	.12	1.37	86	83	71	246.41	SEPARATLY			
10	7	.13	1.37	99	85	66	247.80				
11	6	.12	1.40	96	88	84	249.17	IMPINGER CONT WERE			
12	5	.14	1.40	100	89	87	250.52	ALSO SAVED IN			
13	4	.14	1.41	102	89	96	252.02	SEPARATE CONT.			
14	3	.15	1.44	102	90	93	253.46				
15	2	.15	1.44	102	91	92	254.98				
16	1	.15	1.44	102	91	89	256.49				
17		.	.				258.00				
18		.	.								
19		.	.								
20		.	.								

SOURCE TEST CODING FORM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC
Test Number: 2 PHENOLS
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4 H2O
Nozzle Diameter: 0.125
"C" Correction Factor: ____

Filter No.: 2
Flask No.: 2
Silica Gel: 2
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 12:59
Stop Time: 2:07

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:			
Initial:			

Date: JUNE 21/94
Comments: AS 5.76
CP .8667 METER 1.015

Tester 1: ____
Tester 2: ____
Leakage Rate @ ____ "HG ____

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)
	1 5	ΔP 10	ΔH 15	Tm 20	Tmo 25	Ts 30
	1	2	4	5	6	3
1	A-1	1.31	1.37	1715	1715	1715
2	1	1.31	1.37	1718	1714	1717
3	1	1.15	1.43	1715	1714	1715
4	1	1.1	1.32	1715	1715	1918
5	1	1.14	1.45	1919	1716	1913
6	1	1.14	1.40	1918	1718	1913
7	1	1.14	1.43	1914	1719	1914
8	1	1.14	1.43	1916	1816	1913
9	A-1	1.14	1.41	1817	1812	1712
10	1	1.14	1.40	1917	1814	1712
11	1	1.15	1.43	1918	1815	1713
12	1	1.12	1.34	1917	1815	1816
13	1	1.1315	1.31	1917	1816	1913
14	1	1.14	1.40	1916	1817	1914
15	1	1.1315	1.38	1918	1817	1914
16	1	1.1315	1.38	1918	1817	1913
17						
18						
19						
20						

Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
258.18	4	8.5		
259.56				
260.95				
262.45				
263.87				
265.30				
266.75				
268.18				
269.58				
270.97				
272.39				
273.91				
275.26				
276.65				
278.08				
279.53				
280.94				

SOURCE TEST CODING FORM / Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAWSON
Test Number: 1 FORMALD.
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4 "H2O
Nozzle Diameter: .125
"C" Correction Factor: ____

Filter No.: 2
Flask No.: 2
Silica Gel: 2
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 2:55
Stop Time: 4:06

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	150	150	
Initial:	150	150	

Date: JUNE 21/94
Comments: AS 5.76
cp .8667 METER 1.0115

Tester 1: CON 980
Tester 2: PIT 147
Leakage Rate @ ____ "HG ____

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
1	A1-18	1.13	1.13	1715	1715	1810	281.11	4			
2	17	1.13	1.13	1810	1715	1810	283.54				
3	16	1.15	1.14	1815	1715	1719	283.98				
4	15	1.13	1.13	1818	1715	1911	285.51				
5	14	1.14	1.14	1816	1717	1911	286.94				
6	13	1.13	1.13	1912	1718	1912	288.44				
7	12	1.13	1.13	1914	1719	1911	289.83				
8	11	1.13	1.13	1916	1811	1713	291.25				
9	B1-18	1.13	1.13	1818	1811	1719	292.71				
10	17	1.13	1.13	1918	1813	1716	294.09				
11	16	1.13	1.13	1910	1814	1911	295.51				
12	15	1.14	1.15	1913	1815	1910	296.91				
13	14	1.1315	1.13	1912	1816	1911	298.27				
14	13	1.1315	1.13	1912	1817	1911	299.73				
15	12	1.13	1.13	1912	1817	1912	301.15				
16	11	1.13	1.13	1912	1818	1911	302.54				
17		1.	1.				303.93				
18		1.	1.								
19		1.	1.								
20		1.	1.								

SOURCE TEST CODING FORM: Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC
Test Number: 2 FORMALDI
Process: BAGHOUSE
Barometric Pressure: 27.82
Static Pressure: -20.4
Nozzle Diameter: 0.125
"C" Correction Factor: ____

Filter No.: 2
Flask No.: 2
Silica Gel: 2
Assumed Moisture: 1
Assumed Meter Temp.: ____
Start Time: 4:45
Stop Time: 5:55

	TIME	CO_2	O_2	CO	N_2
1					
2					
3					
4					

Impinger Volume	1	2	3
Final:	310		
Initial:	300		

Date: JUNE 21/94
Comments: AS 5.76
CP: 8667 METER 1.0115

Tester 1: ____
Tester 2: ____
Leakage Rate @ 016 "HG 15

	1 SAMPLE POINT	2 ΔP VELOCITY HEAD (H_2O)	4 ΔH ORIFICE PRESS (H_2O)	5 Tm GAS METER TEMP. IN (F°)	6 Tm GAS METER TEMP. OUT (F°)	3 Ts STACK GAS TEMP. (F°)
1	A-18	1.31	1.316	1712	1717	1815
2	17	1.31	1.316	1812	1716	1816
3	16	1.31	1.316	1816	1717	1813
4	15	1.31	1.316	1819	1717	1911
5	14	1.3151	1.318	1911	1718	1910
6	13	1.31	1.317	1913	1719	1917
7	12	1.31	1.317	1915	1810	1913
8	11	1.31	1.317	1917	1811	1911
9	A-18	1.31	1.317	1817	1812	1811
10	17	1.31	1.317	1919	1814	1810
11	16	1.31	1.317	1911	1815	1811
12	15	1.31	1.317	1912	1816	1911
13	14	1.31	1.318	1913	1818	1911
14	13	1.3151	1.318	1914	1818	1912
15	12	1.3151	1.318	1916	1910	1911
16	11	1.3151	1.318	1917	1911	1912
17		1.	1.			
18		1.	1.			
19		1.	1.			
20		1.	1.			

Vm GAS SAMPLE VOLUME (FT^3)	SAMPLE TIME	PUMP VACUUM("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
304.13	4			
305.55				
306.98				
308.40				
309.78				
311.17				
312.55				
313.93				
315.30				
316.67				
318.02				
319.39				
320.76				
322.11				
323.50				
324.83				
326.19				

SOURCE TEST CODING . JRM Data for Particulate / Gaseous Emissions

Page No. ____

CLIENT: L PACIFIC DAVSON
Test Number: 3 MD1
Process: PRESS VENT
Barometric Pressure: 27.75
Static Pressure: -0.6 "H2O
Nozzle Diameter: .218
"C" Correction Factor: ____

Filter No.: 5
Flask No.: 3
Silica Gel: 3
Assumed Moisture: 0
Assumed Meter Temp.: ____
Start Time: 10:57
Stop Time: 12:11

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	625		
Initial:	300	200	200

Date: JUNE 22/94
Comments: AS 2296 S7.5 X S7.5
CP 85362 METER 1.0115
5.75 17.25 28.75 40.25
51.75 0:21
Tester 1: PIT
Tester 2: CON 980
Leakage Rate @ ____ "HG ____

1 2 4 5 6 3
1 5 ΔP 10 ΔH 15 Tm 20 Tm 25 Ts 30

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)
1	A1-1S1	1.11S1	1.1318	1 1 1817	1 1 1815	1 1 1315
2	1 1A1 1	1.1S101	1.1218	1 1 1911	1 1 1815	1 1 1215
3	1 131 1	1.1S101	1.1216	1 1 1914	1 1 1816	1 1 1110
4	1 121 1	1.1S101	1.1218	1 1 1916	1 1 1910	1 1 1 1 9
5	1 111 1	1.1315	1.1915	1 1 1911	1 1 1818	1 1 1 1 8
6	B1-1S1 1	1.1315	1.1910	1 1 1915	1 1 1910	1 1 1 1 3
7	1 1A1 1	1.1610	1.1515	1 1 1 1 0 1 2	1 1 1910	1 1 1 2 1 6
8	1 131 1	1.1S1S1	1.1410	1 1 1 1 0 1 3	1 1 1911	1 1 1 1 D
9	1 121 1	1.1S1S1	1.1410	1 1 1 1 0 1 5	1 1 1912	1 1 1 1 8
10	1 111 1	1.1315	1.1912	1 1 1 1 0 1 6	1 1 1912	1 1 1 6 D
11	C1-1S1 1	1.1S1S1	1.1310	1 1 1 1 0 1 1	1 1 1914	1 1 1 1 1 3
12	1 1A1 1	1.1S101	1.1310	1 1 1 1 0 1 5	1 1 1914	1 1 1 1 1 4
13	1 131 1	1.1S101	1.1310	1 1 1 1 0 1 7	1 1 1914	1 1 1 1 1 2
14	1 121 1	1.1415 1	1.1118	1 1 1 1 0 1 8	1 1 1915	1 1 1 1 1 4
15	1 111 1	1.1315 1	1.1912	1 1 1 1 0 1 9	1 1 1915	1 1 1 1 1 3
16	D1-1S1 1	1.1115 1	1.1319	1 1 1 1 0 1 0	1 1 1916	1 1 1 1 1 9
17	1 1A1 1	1.1S101	1.1919	1 1 1 1 0 9	1 1 1916	1 1 1 2 1 0
18	1 131 1	1.1S101	1.1219	1 1 1 1 0 1 9	1 1 1916	1 1 1 1 1 0
19	1 121 1	1.1S101	1.1219	1 1 1 1 1 0	1 1 1917	1 1 1 1 1 3
20	1 111 1	1.1 1 1	1 1.1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1

66.
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Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
326.56	3			
327.64				
329.48				
331.40				
333.33				
335.03				
336.68				
338.78				
340.85				
342.91				
344.56				
346.54				
348.47				
350.42				
352.29				
353.96				
355.06				
356.98				
358.93				
360.91	362.55			

SOURCE TESTING FORM Data for Particulate / Gaseous Emissions

Page No. 2

CLIENT: L PACIFIC DAWSON
Test Number: L MD1
Process: PRESS VENT
Barometric Pressure: 27.75
Static Pressure:
Nozzle Diameter: .218
"C" Correction Factor:

Filter No.: 3
Flask No.: 3
Silica Gel: 3
Assumed Moisture: 0
Assumed Meter Temp.:
Start Time: 12:4
Stop Time: 2:13

	TIME	CO_2	O_2	CO	N_2
1		0	21		
2					
3					
4					

Impinger Volume	1	2	3
Final:	610		
Initial:			

Date: JUNE 22 '94
Comments: AS 22.96
Cp .85362 METER 1.0815

Tester 1:
Tester 2:
Leakage Rate @ "HG

	SAMPLE POINT	VELOCITY HEAD (H_2O)	ORIFICE PRESS (H_2O)	GAS METER TEMP. IN (F°)	GAS METER TEMP. OUT (F°)	STACK GAS TEMP. (F°)	Vm GAS SAMPLE VOLUME (FT³)	SAMPLE TIME	PUMP VACUUM ("HG)	SAMPLE BOX TEMP. (F°)	TEMP. OF LAST IMP. (F
1	D1-15	.11101	.1215	1912	1911	11219	362.73	3 min			
2	R1	.15101	.1216	1916	1911	11315	363.63				
3	13	.15101	.1216	1918	1911	11110	365.48				
4	12	.15b1	.1310	11010	1911	11618	367.40				
5	1	.15101	.1219	11011	1912	11113	369.35				
6	C1-15	.15101	.1216	1914	1912	11210	371.29				
7	R1	.15101	.1216	1918	1912	11116	373.20				
8	13	.15101	.1216	11011	1912	11116	375.15				
9	12	.14151	.1117	11012	1913	11212	377.06				
10	11	.13101	.1717	11014	1914	11115	378.93				
11	B1-15	.15101	.1216	1919	1914	11213	380.45				
12	14	.14151	.1713	11013	1914	11119	382.40				
13	13	.15b1	.1216	11016	1915	11112	384.25				
14	12	.15101	.1216	11017	1915	11113	386.15				
15	1	.13151	.1818	11018	1916	11112	388.05				
16	A1-15	.11101	.1215	1918	1917	11218	389.67				
17	R1	.14171	.1210	11017	1917	11312	390.55				
18	13	.14151	.1115	11018	1917	11114	392.29				
19	12	.16101	.1513	11019	1917	11316	394.10				
20	1	.15121	.1218	11019	1917	11015	396.15				