

Scen 1 Fans as calc or meas, no boundary walls, neutral

Project description

Project title: 109169 Amcor Noise Model
Engineer: Peter Eisenhuth, Anita Jo
Customer: Balderstone for Amcor

Description:

Amcor's B9 paper machine and reorganised site

MGA coordinate system.

technical directory has a spreadsheet called "coordinate-transform.xls"
to convert from Amcor's coordinate system to MGA.

Run description

Calculation type: Single Point Sound
Title: Scen 1 Fans as calc or meas, no boundary walls, neutral
Run file: Noname.runx
Result number: 5101
Calculation start: 9/12/2009 3:09:10 PM
Calculation end: 9/12/2009 3:10:15 PM
Calculation time: 00:08:782 [m:s:ms]
No. of points: 6
No. of calculated points: 6
Kernel version: 18/03/2008

Run parameters

Angle increment: 1.00 deg
Reflection depth: 1
Number of reflections: 1
Maximal search radius: 5000
Weighting: dB(A)
Calculation with side screening
Source side reflection precalculation enabled

Standards:

Industry:	Concawe	
Air absorption:	ISO 3891	
Limitation of screening loss:	single/multiple	20 dB /25 dB
Environment:	Air pressure	1013.25 mbar
	rel. Humidity	70 %
	Temperature	10 °C
	Pasquill Class	D
	Wind speed	0 m/s

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Dissection parameters:

Wind direction	worst case (always source to receiver)
Distance to diameter factor	2
Minimal Distance [m]	1 m
Max. Difference GND+Diffraction	1 dB
Max. No. of Iterations	4

Assessment: Industrial Noise Policy

Reflection of "own" facade is suppressed

Geometry data

RDGM0001.dgm	12/11/2009 9:16:54 AM	
Scen 1 - fans as calc or meas., no walls.sit		9/12/2009 3:08:46 PM
- contains:		
B9 Mezzanine Building.geo	9/12/2009 2:42:02 PM	
B9.geo	9/12/2009 3:08:46 PM	
Boiler House.geo	9/12/2009 2:14:26 PM	
Boundary Wall - Proposed - 0m.geo		9/12/2009 2:14:26 PM
Car Park Wall.geo	9/12/2009 2:14:26 PM	
Elevation Lines.geo	9/12/2009 2:14:26 PM	
Exhausts for Internal Fans 70 deg calc & meas.geo		8/12/2009 2:10:46 PM
External Fans 70 deg calc & meas, blower 85@1.geo		9/12/2009 2:14:26 PM
No 7 Reel Store.geo	9/12/2009 2:14:26 PM	
Off-site buildings.geo	9/12/2009 2:14:26 PM	
Paper Yard Loader.geo	9/12/2009 2:14:26 PM	
Product Store.geo	9/12/2009 2:14:26 PM	
Product Trucks.geo	9/12/2009 2:14:26 PM	
Receiver text.geo	3/12/2009 12:50:22 PM	
Receivers.geo	9/12/2009 2:14:26 PM	
Rejects Loader.geo	9/12/2009 2:14:26 PM	
starch, chemicals & solid waste trucks.geo		9/12/2009 2:14:28 PM
Substation.geo	9/12/2009 2:14:28 PM	
Tanks B9.geo	9/12/2009 2:14:28 PM	
Transformers B9 South.geo	9/12/2009 2:14:28 PM	
Waste Paper Trucks.geo	9/12/2009 2:14:28 PM	
Waste Paper Yard Walls 5m.geo	9/12/2009 2:14:28 PM	
Water Treatment.geo	9/12/2009 2:14:28 PM	

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Group	INP Day dB(A)	INP Evenin dB(A)	INP Night dB(A)	Lmax night dB(A)	
Name R1	Day 50.0 dB(A)	Evening 46.8 dB(A)	Night 47.4 dB(A)	Lmax night 56.3 dB(A)	
B9	37.1	37.1	37.1		
Fans	43.1	43.1	43.1		
Loaders	36.9	36.9	36.3		46.7
Trucks	48.4	42.4	43.9		56.3
Transformers	-20.1	-20.1	-20.1		
Name R2	Day 49.3 dB(A)	Evening 46.3 dB(A)	Night 46.8 dB(A)	Lmax night 54.4 dB(A)	
B9	37.6	37.6	37.6		
Fans	42.1	42.1	42.1		
Loaders	38.5	38.5	37.9		49.6
Trucks	47.4	41.4	42.9		54.4
Transformers	-20.5	-20.5	-20.5		
Name R3	Day 48.5 dB(A)	Evening 46.4 dB(A)	Night 46.6 dB(A)	Lmax night 54.1 dB(A)	
B9	38.0	38.0	38.0		
Fans	41.6	41.6	41.6		
Loaders	41.3	41.3	40.8		54.1
Trucks	45.6	39.6	41.2		51.8
Transformers	-20.5	-20.5	-20.5		
Name R4	Day 46.2 dB(A)	Evening 42.8 dB(A)	Night 43.4 dB(A)	Lmax night 55.5 dB(A)	
B9	31.3	31.3	31.3		
Fans	37.7	37.7	37.7		
Loaders	36.1	36.1	35.6		44.6
Trucks	44.8	38.8	40.4		55.5
Transformers	-18.2	-18.2	-18.2		
Name R5	Day 45.2 dB(A)	Evening 42.9 dB(A)	Night 41.5 dB(A)	Lmax night 49.7 dB(A)	
B9	29.3	29.3	29.3		
Fans	36.8	36.8	36.8		
Loaders	39.7	39.7	32.7		44.1
Trucks	42.5	36.6	38.1		49.7
Transformers	-24.9	-24.9	-24.9		
Name R6	Day 44.2 dB(A)	Evening 42.9 dB(A)	Night 40.1 dB(A)	Lmax night 46.1 dB(A)	
B9	27.5	27.5	27.5		
Fans	34.6	34.6	34.6		
Loaders	41.4	41.4	35.4		45.5
Trucks	39.6	33.6	35.1		46.1
Transformers	-26.5	-26.5	-26.5		

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Source	Group	Obj ID	I or S	Lw	Li	R'w	KI	KT	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz
Deerator roof near former	B9	946	345.00	88.7	95.6	32.0		0	72.8	70.5	76.9	73.6	81.2	77.5	78.6	78.5	80.0	75.6	76.4	77.5	71.2	70.2	69.4	68.4	66.0	68.0	63.0
Deerator roof near approach	B9	963	80.50	82.4	95.6	32.0		0	66.4	64.1	70.5	67.2	74.8	71.1	72.2	72.1	73.6	69.2	70.0	71.1	64.8	63.8	63.0	62.0	59.6	61.6	56.6
Deerator south former ground	B9	364	63.00	62.1	93.0	48.0		0	38.3	42.1	46.9	45.0	47.6	49.2	49.5	57.3	53.2	48.2	52.7	52.2	42.8	44.0	46.6	36.5	35.4	36.2	31.4
Deerator south former ground	B9	365	147.00	84.6	93.0	32.0		0	70.0	73.8	78.6	68.7	71.3	72.9	69.2	77.0	72.9	65.9	70.4	69.9	63.5	64.7	67.3	63.2	62.1	62.9	60.0
Deerator south former level 1	B9	366	555.00	93.1	98.0	32.0		0	77.2	74.9	81.3	78.0	85.6	81.9	83.0	82.9	84.4	80.0	80.8	81.9	75.6	74.6	73.8	72.8	70.4	72.4	67.4
Deerator south approach ground	B9	367	13.86	60.0	98.0	48.0		0	33.1	30.8	37.2	41.9	49.5	45.8	50.9	50.8	52.3	49.9	50.7	51.8	42.5	41.5	40.7	33.7	31.3	33.3	26.4
Deerator south approach ground	B9	368	32.34	80.8	98.0	32.0		0	64.9	62.6	69.0	65.7	73.3	69.6	70.7	70.6	72.1	67.7	68.5	69.6	63.3	62.3	61.5	60.5	58.1	60.1	55.1
Deerator south approach level 1	B9	369	122.10	84.2	95.6	32.0		0	68.3	66.0	72.4	69.1	76.7	73.0	74.1	74.0	75.5	71.1	71.9	73.0	66.7	65.7	64.9	63.9	61.5	63.5	58.5
Deerator East dado	B9	370	24.36	56.8	92.2	48.0		0	30.7	36.3	43.6	41.0	44.6	44.3	43.0	48.5	49.5	42.3	47.9	49.1	40.5	39.1	41.2	31.9	30.4	31.2	25.4
Deerator East ground sheeting	B9	371	56.84	79.8	92.2	32.0		0	62.4	68.0	75.3	64.7	68.3	68.0	62.7	68.2	69.2	60.0	65.6	66.8	61.2	59.8	61.9	58.6	57.1	57.9	54.1
Deerator East level 1 sheeting	B9	372	214.60	75.7	93.0	32.0		0	58.5	57.5	58.7	53.6	57.7	61.0	57.2	67.0	64.2	58.7	61.5	59.3	56.1	56.2	58.0	65.1	63.8	67.8	64.4
Deerator north top 2m	B9	945	72.00	86.3	100.0	32.0		0	70.3	68.0	74.4	71.1	78.7	75.0	76.1	76.0	77.5	73.1	73.9	75.0	68.7	67.7	66.9	65.9	63.5	65.5	60.5
Mezzanine Roof Pre-dryer Start	B9	964	210.00	52.6	95.0	58.0		0	45.4	46.6	46.6	27.5	31.6	34.9	33.1	42.9	40.1	35.6	38.4	36.2	31.0	31.1	32.9	38.0	36.7	40.7	38.3
Mezzanine Roof Pre-dryer Mid	B9	966	201.25	51.4	94.0	58.0		0	44.2	45.4	46.6	26.3	30.4	33.7	31.9	41.7	38.9	34.4	37.2	35.0	29.8	29.9	31.7	36.8	35.5	39.5	37.1
Mezzanine Roof Pre-dryer Start	B9	967	51.75	45.5	94.0	58.0		0	38.3	39.5	40.4	24.5	27.8	26.0	35.8	33.0	28.5	31.3	29.1	23.9	24.0	25.8	30.9	29.6	33.6	31.2	
Mezzanine Roof Pre-dryer End	B9	968	330.00	51.6	92.0	58.0		0	44.4	45.6	46.6	26.5	30.6	33.9	32.1	41.9	39.1	34.6	37.4	35.2	30.0	30.1	31.9	37.0	35.7	39.7	37.3
Mezzanine Roof Size Press	B9	969	172.50	49.7	93.0	58.0		0	42.6	43.8	44.8	24.6	28.7	32.0	30.2	40.0	37.2	32.7	35.5	33.3	28.1	28.2	30.0	35.2	33.9	37.9	35.5
Mezzanine Roof After Dryer	B9	970	488.75	53.2	91.9	58.0		0	46.0	47.2	48.2	28.1	32.2	35.5	33.7	43.5	40.7	36.2	39.0	36.8	31.6	31.7	33.5	38.6	37.3	41.3	38.9
B9 Sth Dado After Dryer	B9	374	78.75	60.5	89.3	48.0		0	38.5	31.0	38.8	39.6	46.3	46.0	50.1	54.8	52.9	48.9	50.3	52.1	40.6	40.3	43.1	33.8	32.2	32.8	27.5
B9 Sth Ground After Dryer Sheeting	B9	375	183.75	81.4	89.3	32.0		0	70.2	62.7	70.5	63.3	70.0	69.7	69.8	74.5	72.6	66.6	68.0	69.8	61.3	61.0	63.8	60.5	58.9	59.5	56.2
B9 Sth Level 1 After Dryer	B9	376	281.25	75.8	91.9	32.0		0	58.6	57.6	58.8	53.7	57.8	61.1	57.3	67.1	64.3	58.8	61.6	59.4	56.2	56.3	58.1	65.2	63.9	67.9	64.5
B9 Sth Ground Size Press Dado	B9	377	31.50	57.9	92.2	48.0		0	31.8	37.4	44.7	42.1	45.7	45.4	44.1	49.6	50.6	43.4	49.0	50.2	41.6	40.2	42.3	33.0	31.5	32.3	26.5
B9 Sth Ground Size Press Sheeting	B9	378	73.50	80.9	92.2	32.0		0	63.5	69.1	76.4	65.8	69.4	69.1	63.8	69.3	70.3	61.1	66.7	67.9	62.3	60.9	63.0	59.7	58.2	59.0	55.2
B9 Sth Level 1 Size Press Sheeting	B9	379	112.50	70.0	90.1	32.0		0	52.8	51.8	53.0	47.9	52.0	55.3	51.5	61.3	58.5	53.0	55.8	53.6	50.4	50.5	52.3	59.4	58.1	62.1	58.7
B9 Sth Ground Pre-Dryer End tx	B9	380	210.00	66.8	92.9	48.0		0	40.7	46.3	53.6	51.0	54.6	54.3	53.0	58.5	59.5	52.3	57.9	59.1	50.5	49.1	51.2	41.9	40.4	41.2	35.4
B9 Sth Level 1 Pre-Dryer End	B9	381	225.00	72.9	90.1	32.0		0	55.8	54.8	56.0	50.9	55.0	58.3	54.5	64.3	61.5	56.0	58.8	56.6	53.4	53.5	55.3	62.4	61.1	65.1	61.7
B9 Sth Ground Pre-Dryer Mid tx	B9	382	157.50	65.9	93.3	48.0		0	39.8	45.4	52.7	50.1	53.7	53.4	52.1	57.6	58.6	51.4	57.0	58.2	49.6	48.2	50.3	41.0	39.5	40.3	34.6
B9 Sth Level 1 Pre-Dryer Mid	B9	383	168.75	75.6	94.0	32.0		0	58.5	57.5	58.7	53.6	57.7	61.0	57.2	67.0	64.2	58.7	61.5	59.3	56.1	56.2	58.0	65.1	63.8	67.8	64.4
B9 Sth Ground Pre-Dryer Start tx	B9	384	31.50	58.9	93.3	48.0		0	32.9	38.5	45.8	43.2	46.8	46.5	45.2	50.7	51.7	44.5	50.1	51.3	42.7	41.3	43.4	34.1	32.6	33.4	27.6
B9 Sth Ground Pre-Dryer Start tx	B9	385	33.75	69.6	95.0	32.0		0	52.5	51.5	52.7	47.6	51.7	55.0	51.2	61.0	58.2	52.7	55.5	53.3	50.1	50.2	52.0	59.1	57.8	61.8	58.4
B9 Sth Level 1 Pre-Dryer Start	B9	973	201.25	90.4	94.0	32.0		0	76.3	81.6	79.9	75.4	77.7	80.8	76.8	76.0	76.5	73.0	74.0	73.5	66.6	68.7	67.6	64.7	64.5	63.8	58.8
Low Roof Roof Roll Store	B9	974	247.25	93.5	96.2	32.0		0	79.4	84.7	83.0	78.5	80.8	83.9	79.9	79.1	79.6	76.1	77.1	76.6	69.7	71.8	70.7	67.8	67.6	66.9	61.9
Low Roof Roof Winder	B9	387	23.52	57.0	92.3	48.0		0	25.6	32.7	38.7	37.5	42.5	42.1	47.5	50.0	48.8	44.5	46.0	50.8	38.8	38.0	40.4	31.8	30.8	31.3	27.7
West Low Roof Area Dado Wall	B9	388	54.88	77.9	92.3	32.0		0	57.3	64.4	70.4	61.2	66.2	65.8	67.2	69.7	68.5	62.2	63.7	68.5	59.5	58.7	61.1	58.5	57.5	58.0	56.4
West Low Roof Area Ground Level	B9	389	33.60	75.8	92.3	32.0		0	55.2	62.3	68.3	59.1	64.1	63.7	65.1	67.6	66.4	60.1	61.6	66.4	57.4	56.6	59.0	56.4	55.4	55.9	54.3
West Low Roof Area Op Level	B9	390	47.25	60.0	92.3	48.0		0	28.6	35.7	41.7	40.5	45.5	45.1	50.5	53.0	51.8	47.5	49.0	53.8	41.8	41.0	43.4	34.8	33.8	34.3	30.7
Low Roof Winder Dado	B9																										

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Source	Group	Obj ID	I or S	Lw	Li	Rw	KI	KT	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1,25 kHz	1,6 kHz	2 kHz	2,5 kHz	3,15 kHz
Low Roof Winder Sheetling	B9	391	110.25	80.9	92.3	32.0	0	0	60.3	67.4	73.4	64.2	69.2	68.8	70.2	72.7	71.5	65.2	66.7	71.5	62.5	61.7	64.1	61.5	60.5	61.0	59.4
Low Roof Winder Operating	B9	392	101.25	89.7	96.2	32.0	0	0	75.6	80.9	79.2	74.7	77.0	80.1	76.1	75.3	75.8	72.3	73.3	72.8	65.9	68.0	66.9	64.0	63.8	63.1	58.1
Low Roof Dado Paper Roll Store	B9	393	34.65	57.0	90.7	48.0	0	0	25.6	32.7	38.7	37.5	42.5	42.1	47.5	50.0	48.8	44.5	46.0	50.8	38.8	38.0	40.4	31.8	30.8	31.3	27.8
Low Roof Paper Rolls Store Ground	B9	394	80.85	77.9	90.7	32.0	0	0	57.3	64.4	70.4	61.2	66.2	65.8	67.2	69.7	68.5	62.2	63.7	68.5	59.5	58.7	61.1	58.5	57.5	58.0	56.4
Low Roof Paper Roll Store Level 1	B9	395	74.25	86.1	94.0	32.0	0	0	72.0	77.3	75.6	71.1	73.4	76.5	72.5	71.7	72.2	68.7	69.7	69.2	62.3	64.4	63.3	60.4	60.2	59.5	54.5
Dry End Roof Paper roll storage	B9	972	86.25	86.7	94.0	32.0	0	0	72.6	77.9	76.2	71.7	74.0	77.1	73.1	72.3	72.8	69.3	70.3	69.8	62.9	65.0	63.9	61.0	60.8	60.1	55.1
Dry End Roof Reeler	B9	975	86.25	85.5	92.7	32.0	0	0	71.4	76.7	75.0	70.5	72.8	75.9	71.9	71.1	71.6	68.1	69.1	68.6	61.7	63.8	62.7	59.8	59.6	58.9	53.9
Dry End Roof After dryer	B9	976	86.25	70.6	91.9	32.0	0	0	53.5	52.5	53.7	48.6	52.7	56.0	52.2	62.0	59.2	53.7	56.5	54.3	51.1	51.2	53.0	60.1	58.8	62.8	59.4
Dry End Elect Ground Paper Roll	B9	397	52.50	58.8	90.7	48.0	0	0	27.4	34.5	40.5	39.3	44.3	43.9	49.3	51.8	50.6	46.3	47.8	52.6	40.6	39.8	42.2	33.6	32.6	33.1	29.6
Dry End Elect Level 1 Paper Roll	B9	398	48.75	84.2	94.0	32.0	0	0	70.1	75.4	73.7	69.2	71.5	74.6	70.6	69.8	70.3	66.8	67.8	67.3	60.4	62.5	61.4	58.5	58.3	57.6	52.6
Dry End Elect Ground Reeler	B9	399	52.50	57.7	89.5	48.0	0	0	26.3	33.4	39.4	38.2	43.2	42.8	48.2	50.7	49.5	45.2	46.7	51.5	39.5	38.7	41.1	32.5	31.5	32.0	28.4
Dry End Elect Level 1 Reeler	B9	400	48.75	74.6	89.5	32.0	0	0	54.0	61.1	67.1	57.9	62.9	62.5	63.9	66.4	65.2	58.9	60.4	65.2	56.2	55.4	57.8	55.2	54.2	54.7	53.1
Dry End Elect Ground After Dryer	B9	401	52.50	57.7	89.5	48.0	0	0	26.3	33.4	39.4	38.2	43.2	42.8	48.2	50.7	49.5	45.2	46.7	51.5	39.5	38.7	41.1	32.5	31.5	32.0	28.4
Dry End Elect Level 1 After Dryer	B9	402	48.75	68.2	91.9	32.0	0	0	51.0	50.0	51.2	46.1	50.2	53.5	49.7	59.5	56.7	51.2	54.0	51.8	48.6	48.7	50.5	57.6	56.3	60.3	56.9
Blower 100 mm concrete roof	B9	965	120.00	76.4	102.0	48.0	0	0	66.3	63.3	63.3	67.5	70.5	67.5	69.3	72.3	69.3	64.3	64.3	64.3	60.9	57.9	57.9	50.9	50.9	51.5	59.4
Blower Room North	B9	404	60.00	73.4	102.0	48.0	0	0	53.9	53.9	53.9	58.2	58.2	58.2	59.9	59.9	59.9	54.9	54.9	54.9	48.6	48.6	48.6	41.5	41.5	51.1	59.4
Blower Room West	B9	405	7.00	64.0	102.0	48.0	0	0	63.5	63.5	63.5	67.7	67.7	67.7	69.5	69.5	69.5	64.5	64.5	64.5	66.5	66.5	66.5	59.4	59.4	67.3	62.3
Blower Dado	B9	406	63.00	73.6	102.0	48.0	0	0	71.8	71.8	71.8	76.1	76.1	76.1	77.9	77.9	77.9	72.9	72.9	72.9	70.1	72.2	71.1	68.2	68.0	67.3	62.3
Blower 100 mm concrete	B9	407	432.00	81.9	102.0	48.0	0	0	79.8	85.1	83.4	78.9	81.2	84.3	80.3	79.5	80.0	76.5	77.5	77.0	70.1	72.2	71.1	68.2	68.0	67.3	62.3
South Operating Winder Cladding	B9	287	270.00	93.9	96.2	32.0	0	0	75.8	81.1	79.4	74.9	77.2	80.3	76.3	75.5	76.0	72.5	73.5	73.0	66.1	68.2	67.1	64.2	64.0	63.3	58.3
South Operating Paper Roll Storage	B9	288	180.00	89.9	94.0	32.0	0	0	72.0	77.3	75.6	71.1	73.4	76.5	72.5	71.7	72.2	68.7	69.7	69.2	62.3	64.4	63.3	60.4	60.2	59.5	54.5
South Operating Paper Roll Storage	B9	289	75.00	86.1	94.0	32.0	0	0	70.8	76.1	74.4	69.9	72.2	75.3	71.3	70.5	71.0	67.5	68.5	68.0	61.1	63.2	62.1	59.2	59.0	58.3	53.3
South Operating Reeler Clad	B9	290	75.00	84.9	92.7	32.0	0	0	52.9	51.9	53.1	48.0	52.1	55.4	51.6	61.4	58.6	53.1	55.9	53.7	50.5	50.6	52.4	59.5	58.2	62.2	58.8
South Operating After Dryers West	B9	291	75.00	70.0	91.9	32.0	0	0	59.4	58.4	59.6	54.5	58.6	61.9	58.1	67.9	65.1	59.6	62.4	60.2	57.0	57.1	58.9	66.0	64.7	68.7	65.3
South Operating After Dryers East	B9	292	337.50	76.6	91.9	32.0	0	0	56.5	55.5	56.7	51.6	55.7	59.0	55.2	65.0	62.2	56.7	59.5	57.3	54.1	54.2	56.0	63.1	61.8	65.8	62.4
South Operating Size Press	B9	293	135.00	73.6	93.0	32.0	0	0	58.5	57.5	58.7	53.6	57.7	61.0	57.2	67.0	64.2	58.7	61.5	59.3	56.1	56.2	58.0	65.1	63.8	67.8	64.4
South Operating Pre-Dryer End	B9	294	270.00	75.6	92.0	32.0	0	0	59.3	58.3	59.5	54.4	58.5	61.8	58.0	67.8	65.0	59.5	62.3	60.1	56.9	57.0	58.8	65.9	64.6	68.6	65.2
South Operating Pre-Dryer Mid	B9	295	202.50	76.4	94.0	32.0	0	0	55.5	54.5	55.7	50.6	54.7	58.0	54.2	64.0	61.2	55.7	58.5	56.3	53.1	53.2	55.0	62.1	60.8	64.8	61.4
South Operating Pre-Dryer Start	B9	296	67.50	72.6	95.0	32.0	0	0	55.5	54.5	55.7	50.6	54.7	58.0	54.2	64.0	61.2	55.7	58.5	56.3	53.1	53.2	55.0	62.1	60.8	64.8	61.4
South Operating Pre-Dryer Start	B9	297	105.00	74.5	95.0	32.0	0	0	57.4	56.4	57.6	52.5	56.6	59.9	56.1	65.9	63.1	57.6	60.4	58.2	55.0	55.1	56.9	64.0	62.7	66.7	63.3
South Operating Pre-Dryer Start	B9	298	105.00	87.9	100.0	32.0	0	0	72.0	69.7	76.1	72.8	80.4	76.7	77.8	77.7	79.2	74.8	75.6	76.7	70.4	69.4	69.4	68.6	67.6	65.2	62.2
South Operating Press Cladding	B9	299	67.50	81.6	95.6	32.0	0	0	65.7	63.4	69.8	66.5	74.1	70.4	71.5	71.4	72.9	68.5	69.3	70.4	64.1	63.1	62.3	61.3	58.9	60.9	55.9
South Operating Approach Cladding	B9	299	67.50	81.6	95.6	32.0	0	0	65.7	63.4	69.8	66.5	74.1	70.4	71.5	71.4	72.9	68.5	69.3	70.4	64.1	63.1	62.3	61.3	58.9	60.9	55.9
South Operating Stock Prep	B9	300	540.00	85.0	90.0	32.0	0	0	69.1	66.8	73.2	69.9	77.5	73.8	74.9	74.8	76.3	71.9	72.7	73.8	67.5	66.5	65.7	64.7	62.3	64.3	59.3
East Ground Stock Prep Dado	B9	301	12.60	55.2	92.0	48.0	0	0	33.3	25.8	33.6	34.4	41.1	40.8	44.9	49.6	47.7	43.7	45.1	46.9	35.4	35.1	37.9	28.6	27.0	27.6	22.3
East Ground Stock Prep FEL Area	B9	302	101.25	64.3	92.0	48.0	0	0	42.3	34.8	42.6	43.4	50.1	49.8	53.9	58.6	56.7	52.7	54.1	55.9	44.4	44.1	46.9	37.6	36.0	36.6	31.4
East Ground Stock Prep Dado East	B9	303	14.70	55.9	92.0	48.0	0	0	33.9	26.4	34.2	35.0	41.7	41.4	45.5	50.2	48.3	44.3	45.7	47.5	36.0	35.7	38.5	29.2	27.6	28.2	23.0

109169 Amcor Noise Model
Scen 1 Fans as calc or meas, no boundary walls, neutral

Source	Group	Obj ID	I or S	Lw	Li	Rw	KI	KT	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1,25 kHz	1,6 kHz	2 kHz	2,5 kHz	3,15 kHz
East Ground Stock Prep Clad East	B9	304	21.15	74.7	92.0	32.0	0	0	63.6	56.1	63.9	56.7	63.4	63.1	63.2	67.9	66.0	60.0	61.4	63.2	54.7	54.4	57.2	53.9	52.3	52.9	49.6
East Ground Stock Prep Clad West	B9	305	24.67	75.4	92.0	32.0	0	0	64.2	56.7	64.5	57.3	64.0	63.7	63.8	68.5	66.6	60.6	62.0	63.8	55.3	55.0	57.8	54.5	52.9	53.5	50.2
East Operating Stock Prep Clad	B9	306	290.63	82.3	90.0	32.0	0	0	66.4	64.1	70.5	67.2	74.8	71.1	72.2	72.1	73.6	69.2	70.0	71.1	64.8	63.8	63.0	62.0	59.6	61.6	56.6
North Ground Roll Storage	B9	307	112.50	62.1	90.7	48.0	0	0	30.7	37.8	43.8	42.6	47.6	47.2	52.4	55.1	53.9	49.6	51.1	55.9	43.9	43.1	45.5	36.9	35.9	36.4	32.9
North Ground Winder Masonry	B9	308	168.75	63.9	90.7	48.0	0	0	32.5	39.6	45.6	44.4	49.4	49.0	54.4	56.9	55.7	51.4	52.9	57.7	45.7	44.9	47.3	38.7	37.7	38.2	34.6
North Ground Paper Roll Storage	B9	309	56.25	59.1	90.7	48.0	0	0	27.7	34.8	40.8	39.6	44.6	44.2	49.6	52.1	50.9	46.6	48.1	52.9	40.9	40.1	42.5	33.9	32.9	33.4	29.9
North Ground Paper Roll Storage	B9	310	15.75	53.6	90.7	48.0	0	0	22.2	29.3	35.3	34.1	39.1	38.7	44.1	46.6	45.4	41.1	42.6	47.4	35.4	34.6	37.0	28.4	27.4	27.9	24.3
North Ground Paper Roll Storage	B9	311	40.50	74.9	90.7	32.0	0	0	54.3	61.4	67.4	58.2	63.2	62.8	64.2	66.7	65.5	59.2	60.7	65.5	55.7	55.7	58.1	55.5	54.5	55.0	53.4
North Ground Paper Roll Storage	B9	312	56.25	59.1	90.7	48.0	0	0	27.7	34.8	40.8	39.6	44.6	44.2	49.6	52.1	50.9	46.6	48.1	52.9	40.9	40.1	42.5	33.9	32.9	33.4	29.9
North Ground Reeler Masonry	B9	313	56.25	58.0	89.5	48.0	0	0	26.6	33.7	39.7	38.5	43.5	43.1	48.5	51.0	49.8	45.5	47.0	51.8	39.8	39.0	41.4	32.8	31.8	32.3	28.7
North Ground After Dryers Masonry	B9	314	225.00	66.4	90.6	48.0	0	0	44.4	36.9	44.7	45.5	52.2	51.9	56.0	60.7	58.8	54.8	56.2	58.0	46.5	46.2	49.0	39.7	38.1	38.7	33.5
North Ground After Dryers Dado	B9	315	81.00	79.2	90.6	32.0	0	0	35.9	28.4	36.2	37.0	43.7	43.4	47.5	52.2	50.3	46.3	47.7	49.5	38.0	37.7	40.5	31.2	29.6	30.2	24.9
North Ground After Dryers Cladding	B9	316	31.50	57.8	90.6	48.0	0	0	68.0	60.5	68.3	61.1	67.8	67.5	67.6	72.3	70.4	64.4	65.8	67.6	59.1	58.8	61.6	58.3	56.7	57.3	54.0
North Ground Size Press Dado	B9	317	31.50	58.2	92.5	48.0	0	0	64.2	69.8	77.1	66.5	70.1	69.8	64.5	70.0	71.0	61.8	67.4	68.6	63.0	61.6	67.2	63.9	62.4	63.2	59.4
North Ground Size Press Cladding	B9	318	81.00	81.6	92.5	32.0	0	0	35.6	41.2	48.5	45.9	49.5	49.2	47.9	53.4	54.4	47.2	52.8	54.0	45.4	44.0	46.1	36.8	35.3	36.1	30.3
North Ground Pre Dryer End Dado	B9	319	63.00	61.7	93.0	48.0	0	0	67.7	73.3	80.6	70.0	73.6	73.3	68.0	73.5	74.5	65.3	70.9	72.1	66.5	65.1	67.2	63.9	62.4	63.2	59.4
North Ground Pre Dryer Mid Dado	B9	320	162.00	85.1	93.0	32.0	0	0	34.6	40.2	47.5	44.9	48.5	48.2	46.9	52.4	53.4	46.2	51.8	53.0	44.4	43.0	45.1	35.8	34.3	35.1	29.3
North Ground Pre Dryer Mid	B9	321	47.25	60.7	93.3	48.0	0	0	66.7	72.3	79.6	69.0	72.6	72.3	67.0	72.5	73.5	64.3	69.9	71.1	65.5	64.1	66.2	62.9	61.4	62.2	58.4
North Ground Pre Dryer Start Dado	B9	322	121.50	84.1	93.3	32.0	0	0	67.1	72.7	80.0	69.4	73.0	72.7	67.4	72.9	73.9	64.7	70.3	71.5	65.9	64.5	66.6	63.3	61.8	62.6	58.8
North Ground Pre Dryer Start	B9	323	47.25	61.0	93.6	48.0	0	0	34.9	40.5	47.8	45.2	48.8	48.5	47.2	52.7	53.7	46.5	52.1	53.3	44.7	43.3	45.4	36.1	34.6	35.4	29.7
North Ground Press Dado	B9	324	121.50	84.4	93.6	32.0	0	0	67.1	72.7	80.0	69.4	73.0	72.7	67.4	72.9	73.9	64.7	70.3	71.5	65.9	64.5	66.6	63.3	61.8	62.6	58.8
North Ground Press Cladding	B9	325	31.50	60.1	94.0	48.0	0	0	36.3	40.1	44.9	43.0	45.6	47.2	47.5	55.3	51.2	46.2	50.7	50.2	40.8	42.0	44.6	34.5	33.4	34.2	29.3
North Ground Former Dado	B9	326	81.00	64.2	94.0	48.0	0	0	40.4	44.2	49.0	47.1	49.7	51.3	51.6	59.4	55.3	50.3	54.8	54.3	44.9	46.1	48.7	38.6	37.5	38.3	33.4
North Ground Former Cladding	B9	327	47.25	60.9	93.0	48.0	0	0	37.1	40.9	45.7	43.8	46.4	48.0	48.3	56.1	52.0	47.0	51.5	51.0	41.6	42.8	45.4	35.3	34.2	35.0	30.1
North Ground Approach Cladding	B9	328	121.50	83.7	93.0	32.0	0	0	69.2	73.0	77.8	67.9	70.5	72.1	68.4	76.2	72.1	65.1	69.6	69.1	62.7	63.9	66.5	62.4	61.3	62.1	59.2
North Ground Approach	B9	329	36.75	59.3	92.5	48.0	0	0	35.5	39.3	44.1	42.2	44.8	46.4	46.7	54.5	50.4	45.4	49.9	49.4	40.0	41.2	43.8	33.7	32.6	33.4	28.5
North Ground Stock Prep Dado	B9	330	94.50	82.2	92.5	32.0	0	0	67.6	71.4	76.2	66.3	68.9	70.5	66.8	74.6	70.5	63.5	68.0	67.5	61.1	62.3	64.9	60.8	59.7	60.5	57.6
North Ground Stock Prep Cladding	B9	331	37.50	78.2	92.5	32.0	0	0	41.2	33.7	41.5	42.3	49.0	48.7	52.8	57.5	55.6	51.6	53.0	54.8	43.3	43.0	45.8	36.5	34.9	35.5	30.3
North Ground Stock Prep	B9	332	78.75	63.2	92.0	48.0	0	0	73.4	65.9	73.7	66.5	73.2	72.9	73.0	77.7	75.8	69.8	71.2	73.0	64.5	64.2	67.0	63.7	62.1	62.7	59.4
North Ground Stock Prep Dado	B9	333	202.50	84.5	92.0	32.0	0	0	66.0	58.5	66.3	59.1	65.8	65.5	65.6	70.3	68.4	62.4	63.8	65.6	57.1	56.8	59.6	56.3	54.7	55.3	52.0
North Ground Stock Prep	B9	334	37.50	77.2	92.0	32.0	0	0	37.9	30.4	38.2	39.0	45.7	45.4	49.5	54.2	52.3	48.3	49.7	51.5	40.0	39.7	42.5	33.2	31.6	32.2	27.0
North Ground Stock Prep Dado	B9	335	36.75	59.9	92.0	48.0	0	0	70.1	62.6	70.4	63.2	69.9	69.6	69.7	74.4	72.5	66.5	67.9	69.7	61.2	60.9	63.7	60.4	58.8	59.4	56.1
North Ground Stock Prep Dado	B9	336	94.50	81.2	92.0	32.0	0	0	43.6	48.9	47.2	50.7	53.0	56.1	56.1	55.3	55.8	54.3	55.3	54.8	44.9	47.0	49.8	37.0	36.8	36.1	29.1
North Operating Roll Storage	B9	337	72.75	65.2	93.7	48.0	0	0	48.5	53.8	52.1	55.6	57.9	61.0	61.0	60.2	60.2	59.2	60.2	59.7	51.9	50.8	41.9	41.7	41.0	34.1	27.3
North Operating Winder Masonry	B9	338	128.25	70.1	96.2	48.0	0	0	41.7	47.0	45.3	48.8	51.1	54.2	54.2	53.4	53.9	52.4	53.4	52.9	43.0	45.1	44.0	35.1	34.9	34.2	27.3
North Operating Paper Roll Storage	B9	339	47.63	63.3	93.7	48.0	0	0	41.7	47.0	45.3	48.8	51.1	54.2	54.2	53.4	53.9	52.4	53.4	52.9	43.0	45.1	44.0	35.1	34.9	34.2	27.3

109169 Amcor Noise Model

Scen 1 Fans as calc or meas, no boundary walls, neutral

Source	Group	Obj ID	L or S	Lw	Li	Rw	KI	KT	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz
North Operating Paper Roll Storage	B9	340	93.75	86.8	93.7	32.0	0	0	72.7	78.0	76.3	71.8	74.1	77.2	73.2	72.4	72.9	69.4	70.4	69.9	63.0	65.1	64.0	61.1	60.9	60.2	55.2
North Operating Paper Roll Storage	B9	341	48.75	63.4	93.7	48.0	0	0	41.8	47.1	45.4	48.9	51.2	54.3	54.3	53.5	54.0	52.5	53.5	53.0	43.1	45.2	44.1	35.2	35.0	34.3	27.4
North Operating Reeler Mason	B9	342	48.75	62.5	92.7	48.0	0	0	40.9	46.2	44.5	48.0	50.3	53.4	53.4	52.6	53.1	51.6	52.6	52.1	42.2	44.3	43.2	34.3	34.1	33.4	26.4
North Operating After Dryers	B9	343	195.00	53.5	90.2	48.0	0	0	27.3	26.3	27.5	30.4	34.5	37.8	38.0	47.8	45.0	41.5	44.3	42.1	35.9	36.0	37.8	38.9	37.6	41.6	36.3
North Operating After Dryers	B9	344	240.00	73.4	90.2	32.0	0	0	56.3	55.3	56.5	51.4	55.5	58.8	55.0	64.8	62.0	56.5	59.3	57.1	53.9	54.0	55.8	62.9	61.6	65.6	62.2
North Operating Size Press	B9	345	240.00	73.3	90.1	32.0	0	0	56.1	55.1	56.3	51.2	55.3	58.6	54.8	64.6	61.8	56.3	59.1	56.9	53.7	53.8	55.6	62.7	61.4	65.4	62.0
North Operating Pre-Dryer End	B9	346	480.00	76.2	90.1	32.0	0	0	59.1	58.1	59.3	54.2	58.3	61.6	57.8	67.6	64.8	59.3	62.1	59.9	56.7	56.8	65.7	64.4	68.1	64.7	65.0
North Operating Pre-Dryer Mid	B9	347	360.00	75.9	91.0	32.0	0	0	58.8	57.8	59.0	53.9	58.0	61.3	57.5	67.3	64.5	59.0	61.8	59.6	56.4	56.5	65.4	64.1	68.1	64.7	65.0
North Operating Pre-Dryer Start	B9	348	360.00	78.5	93.6	32.0	0	0	61.4	60.4	61.6	56.5	60.6	63.9	60.1	69.9	67.1	61.6	64.4	62.2	59.0	59.1	60.9	68.0	66.7	70.7	67.3
North Operating Press Cladding	B9	349	240.00	88.5	97.0	32.0	0	0	72.6	70.3	76.7	73.4	81.0	77.3	78.4	78.3	79.8	75.4	76.2	77.3	71.0	70.0	69.2	68.2	65.8	67.8	62.8
North Operating Former Cladding	B9	350	360.00	88.2	95.0	32.0	0	0	72.3	70.0	76.4	73.1	80.7	77.0	78.1	78.0	79.5	75.1	75.9	77.0	70.7	69.7	68.9	67.9	65.5	67.5	62.5
North Operating Approach Cladding	B9	351	360.00	86.4	93.2	32.0	0	0	70.5	68.2	74.6	71.3	78.9	75.2	76.3	76.2	77.7	73.3	74.1	75.2	68.9	67.9	67.1	66.1	63.7	65.7	60.7
North Operating Stock Prep	B9	352	960.00	-16.6	-39.4	32.0	0	0																			
North Operating Roll Storage	B9	353	167.25	-24.2	-39.4	32.0	0	0																			
North Operating Winder Cladding	B9	354	231.75	-22.7	-39.4	32.0	0	0																			
North Operating Paper Roll Storage	B9	355	72.38	-27.8	-39.4	32.0	0	0																			
North Operating Paper Roll Storage	B9	356	71.25	-27.9	-39.4	32.0	0	0																			
North Operating Reeler Cladd	B9	357	71.25	-27.9	-39.4	32.0	0	0																			
North Operating After Dryers Cladd	B9	358	285.00	-21.9	-39.4	32.0	0	0																			
West Ground Dado	B9	359	65.80	-32.3	-9.0	48.0	0	0		-39.8		-41.8	-19.6			-41.8			-46.8			-56.8			-64.8		
West Ground Clad	B9	360	110.45	-3.9	-9.0	32.0	0	0		-9.6		-15.0				-23.6			-30.6			-37.6			-39.6		
West Operating Clad	B9	361	317.25	0.7	-9.0	32.0	0	0		-5.0						-19.0			-26.0			-33.0			-35.0		
Elect & Stock Prep East End Roof	B9	962	776.25	92.2	95.6	32.0	0	0	76.3	74.0	80.4	77.1	84.7	81.0	82.1	82.0	83.5	79.1	79.9	81.0	74.7	73.7	72.9	71.9	69.5	71.5	66.5
Wet End Elect Roof & Stock Prep	B9	953	141.75	64.6	92.5	48.0	0	0	37.8	35.5	41.9	46.6	54.2	50.5	55.6	55.5	57.0	54.6	55.4	56.5	47.2	46.2	45.4	38.4	36.0	31.0	
Wet End Elect Roof & Stock Prep	B9	954	81.00	62.2	92.5	48.0	0	0	35.3	33.0	39.4	44.1	51.7	48.0	53.1	53.0	54.5	52.1	52.9	54.0	44.7	43.7	42.9	35.9	33.5	28.6	
Elect Roof & Stock Prep Sheeting	B9	955	40.50	76.3	92.5	32.0	0	0	60.4	58.1	64.5	61.2	68.8	65.1	66.2	66.1	67.6	63.2	64.0	65.1	58.8	57.8	57.0	56.0	53.6	55.6	50.6
Elect Roof & Stock Prep Sheeting	B9	957	243.00	84.1	92.5	32.0	0	0	68.1	65.8	72.2	68.9	76.5	72.8	73.9	73.8	75.3	70.9	71.7	72.8	66.5	65.5	64.7	63.7	61.3	63.3	58.3
Elect Roof & Stock Prep Sheeting	B9	958	472.50	90.1	95.6	32.0	0	0	74.1	71.8	78.2	74.9	82.5	78.8	79.9	79.8	81.3	76.9	77.7	78.8	72.5	71.5	70.7	69.7	67.3	69.3	64.3
Elect Roof & Stock Prep East End	B9	960	86.25	62.5	92.5	48.0	0	0	35.6	33.3	39.7	44.4	52.0	48.3	53.4	53.3	54.8	52.4	53.2	54.3	45.0	44.0	43.2	36.2	33.8	35.8	28.8
Elect & Stock Prep East End Op w/	B9	961	142.60	84.8	95.6	32.0	0	0	68.9	66.6	73.0	69.7	77.3	73.6	74.7	74.6	76.1	71.7	72.5	73.6	67.3	66.3	65.5	64.5	62.1	64.1	59.1
PV01/PM09 Fan07 Optiformer 1	Fans	920		111.5	0.0	0.0	0	0		96.5		102.6				103.1			103.5			105.7			103.9		
PV03/PM11 Optiformer 2	Fans	921		111.5	0.0	0.0	0	0		96.5		102.6				103.1			103.5			105.7			103.9		
PV02/PM10 Mist Collector	Fans	922		115.5	0.0	0.0	0	0		100.5		106.6				107.1			107.5			109.7			107.9		
Vacuum Blower Exhaust	Fans	923		96.0	0.0	0.0	0	0		77.8		85.0				86.5			91.1			83.4			91.9		
Fan 79/PV11/PM19 Winder Pulper	Fans	924		106.9	0.0	0.0	0	0		91.9		98.0				98.5			98.9			101.1			99.3		
PV06/PM14 Vacuum system Fan	Fans	925		96.0	0.0	0.0	0	0		44.2		57.3				64.9			75.6			80.9			95.2		

109169 Amcor Noise Model

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Source	Obj ID	Group	I or S	Lw	Li	Rw	KI	KT	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz
PV05/PM13 Vacuum system No 1	926	Fans		97.0	0.0	0.0	0.0	0	45.2	58.3	65.8	76.5	81.8	86.0	96.2												
Pulper Exhaust Fan	927	Fans		91.8	0.0	0.0	0.0	0	76.8	82.9	83.4	83.8	86.0	84.2													
Fan 44 - TwinRun Supply Air Fan	897	Fans		104.0	0.0	0.0	0.0	0	69.0	81.0	88.0	103.0	94.0	91.0													
Fan 42 - SymRun Plus Supply Air	898	Fans		102.1	0.0	0.0	0.0	0	69.0	82.0	90.0	98.0	97.0	94.0													
Fan 64 - SymRun Plus Supply Air	899	Fans		103.0	0.0	0.0	0.0	0	68.0	80.0	87.0	102.0	93.0	90.0													
Fan 74 - Hood Exhaust Air Fan 2	900	Fans		105.4	0.0	0.0	0.0	0	74.0	84.0	96.0	98.0	101.0	99.0													
Fan 52 - VacRoll Exhaust Air Fan 2	901	Fans		103.4	0.0	0.0	0.0	0	72.0	84.0	98.0	97.0	98.0	95.0													
Fan 38 - SymRun Plus Supply Air	902	Fans		105.0	0.0	0.0	0.0	0	73.0	85.0	93.0	101.0	100.0	97.0													
Fan 68 - Hood Exhaust Air Fan 1	903	Fans		102.7	0.0	0.0	0.0	0	72.0	85.0	90.0	96.0	99.0	95.0													
Fan 60 - Hood Supply Air Fan 1	904	Fans		105.0	0.0	0.0	0.0	0	73.0	85.0	93.0	101.0	100.0	97.0													
Fan 46 - VacRoll Exhaust Air Fan 1	905	Fans		103.4	0.0	0.0	0.0	0	72.0	84.0	98.0	97.0	98.0	95.0													
Fan 34 - SymRun Plus Supply Air	906	Fans		98.0	0.0	0.0	0.0	0	68.0	79.0	93.0	104.0	92.0	89.0													
Fan 32 - HiRun Supply Air Fan	907	Fans		107.1	0.0	0.0	0.0	0	73.0	86.0	84.0	94.0	101.0	99.0													
Fan 24 - PressRun Blow Box	908	Fans		96.3	0.0	0.0	0.0	0	66.0	76.0	84.0	92.0	91.0	89.0													
Fan 74 outlet - Hood Exhaust Air	909	Fans		115.0	0.0	0.0	0.0	0	86.2	95.2	101.2	114.2	104.2	100.2													
Fan 52 Outlet - VacRoll Exhaust	910	Fans		93.0	0.0	0.0	0.0	0	68.1	77.1	89.1	87.1	86.1	82.1													
Fan 68 Outlet - Hood Exhaust Air	911	Fans		88.2	0.0	0.0	0.0	0	57.3	70.3	75.3	81.3	84.3	81.3													
Fan 46 outlet - VacRoll Exhaust Air	912	Fans		93.0	0.0	0.0	0.0	0	68.1	77.1	89.1	87.1	86.1	82.1													
BV01 Exhaust	915	Fans		98.3	0.0	0.0	0.0	0	83.3	89.4	89.9	90.3	92.5	90.7													
BV02	916	Fans		98.3	0.0	0.0	0.0	0	83.3	89.4	89.9	90.3	92.5	90.7													
BV03 Exhaust (W E Roof Area	917	Fans		98.3	0.0	0.0	0.0	0	83.3	89.4	89.9	90.3	92.5	90.7													
BV04 Exhaust (W E Roof Area	918	Fans		98.3	0.0	0.0	0.0	0	83.3	89.4	89.9	90.3	92.5	90.7													
BV05 Stock Prep Exhaust	919	Fans		98.3	0.0	0.0	0.0	0	83.3	89.4	89.9	90.3	92.5	90.7													
BV01 fan casing	947	Fans		78.3	0.0	0.0	0.0	0	62.5	68.6	69.1	71.5	71.9	71.9													
BV02 Fan Casing	949	Fans		78.3	0.0	0.0	0.0	0	62.5	68.6	69.1	71.5	71.9	71.9													
BV03 Fan Casing	950	Fans		78.3	0.0	0.0	0.0	0	62.5	68.6	69.1	71.5	71.9	71.9													
BV04 Fan Casing	951	Fans		78.3	0.0	0.0	0.0	0	62.5	68.6	69.1	71.5	71.9	71.9													
BV05 Fan Casing	952	Fans		78.3	0.0	0.0	0.0	0	62.5	68.6	69.1	71.5	71.9	71.9													
Loader in Paper Yard	230	Loaders	437.91	105.5	0.0	0.0	0.0	0	62.2	65.1	69.2	82.3	86.7	94.3	92.5	95.0	97.6	91.5	90.8								
Loader at Rejects area	485	Loaders		105.5	0.0	0.0	0.0	0	62.2	65.1	69.2	82.3	86.7	94.3	92.5	95.0	97.6	91.5	90.8								
Transformer 1 B9 South	256	Transformers		55.0	0.0	0.0	0.0	0	31.4	43.5	46.0	51.4	48.6	44.8													
Transformer 2 B9 South	257	Transformers		55.0	0.0	0.0	0.0	0	31.4	43.5	46.0	51.4	48.6	44.8													
Transformer 3 B9 South	258	Transformers		55.0	0.0	0.0	0.0	0	31.4	43.5	46.0	51.4	48.6	44.8													
Transformer 4 B9 South	259	Transformers		55.0	0.0	0.0	0.0	0	31.4	43.5	46.0	51.4	48.6	44.8													
Transformer 5 B9 South	260	Transformers		55.0	0.0	0.0	0.0	0	31.4	43.5	46.0	51.4	48.6	44.8													
Transformer 6 B9 South	261	Transformers		55.0	0.0	0.0	0.0	0	31.4	43.5	46.0	51.4	48.6	44.8													

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Source	Group	Obj ID	I or S	Lw	Li	Rw	KI	KT	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1,25 kHz	1,6 kHz	2 kHz	2,5 kHz	3,15 kHz
Transformer 7 B9 South	Transforme	262		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Transformer 8 B9 South	Transforme	263		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Transformer 9 B9 South	Transforme	264		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Transformer 10 B9 South	Transforme	265		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Transformer 11 B9 South	Transforme	266		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Transformer 12 B9 South	Transforme	267		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Transformer 13 B9 South	Transforme	268		55.0	0.0	0.0	0	0		31.4			43.5			46.0			51.4			48.6			44.8		
Product Trucks	Trucks	232	413.26	91.7	0.0	0.0	0	0	59.0	56.4	65.6	66.7	64.1	66.9	71.3	75.1	75.8	76.4	76.0	79.1	79.3	82.1	84.2	83.6	82.3	80.9	79.0
Trucks - starch, chemicals, solid	Trucks	233	604.60	93.3	0.0	0.0	0	0	60.6	58.0	67.2	68.3	65.7	68.5	72.9	76.7	77.4	78.0	77.6	80.7	80.9	83.7	85.8	85.2	83.9	82.5	80.6
Waste Paper Trucks	Trucks	269	667.91	93.7	0.0	0.0	0	0	61.1	58.5	67.7	68.8	66.2	69.0	73.4	77.2	77.9	78.5	78.1	81.2	81.4	84.2	86.3	85.7	84.4	83.0	81.1

