

## Notice: Variation of Permit

This permit has been varied by the Scottish Environment Protection Agency (SEPA) in exercise of its powers under Regulation 46 of the Pollution Prevention and Control (Scotland) Regulations 2012 (“the Regulations”). The terms used in this notice, unless otherwise defined, have the same meaning as in the Regulations.

<b>Permit Number:</b>	PPC/A/1083904
<b>Site address:</b>	Sapphire Mill Glenwood Road Leslie Fife KY6 3AB
<b>Operator:</b>	Fourstones Papermill Company Limited Company Number: 00509221 South Tyne Mill Fourstones Hexham Northumberland NE46 3SD
<b>Variation Number:</b>	VAR01
<b>Effective Date of Variation:</b>	<<Enter effective date – DD/MM/YYYY>>
<b>Date of Issue:</b>	
<b>Details of Variation:</b>	The permit is varied as specified in the Schedule attached.

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## Schedule

The permit has been varied as follows:

1. In the Interpretation of Terms, the following Terms have been added.

“dust” means particles, of any shape, structure or density, dispersed in the gas phase at the sampling point conditions which may be collected by filtration under specified conditions after representative sampling of the gas to be analysed, and which remain upstream of the filter and on the filter after drying under specified conditions.

“fuel” means any solid, liquid or gaseous combustible material

“Gas oil” means:

- (a) Any petroleum-derived liquid fuel falling within CN codes 2710 19 25, 2710 19 29, 2710 19 47, 2710 19 48, 2710 20 17 or 2710 20 19; or
- (b) Any petroleum-derived liquid fuel of which less than 65% by volume (including losses) distils at 250°C and of which at least 85% by volume (including losses) distils at 350°C by the ASTM D86 method.

“Oxides of Nitrogen” means nitric oxide and nitrogen dioxide, expressed as nitrogen oxide (NO<sub>2</sub>).

2. In the Interpretation of Terms, the Term describing “Medium Combustion Plant” has been deleted and replaced by a new description as follows:

“Medium Combustion Plant” means a combustion plant with a rated thermal input equal or greater than 1 megawatt but less than 50 megawatts.

3. Condition 1.1.4.1 has been deleted and replaced by a new condition 1.1.4.1, as follows:

1.1.4.1 Three paper making machines having a maximum combined capacity of 80,000 saleable tonnes of paper per year.

4. After Condition 1.1.4.2 two new conditions 1.1.4.3 and 1.1.4.4 have been inserted as follows:

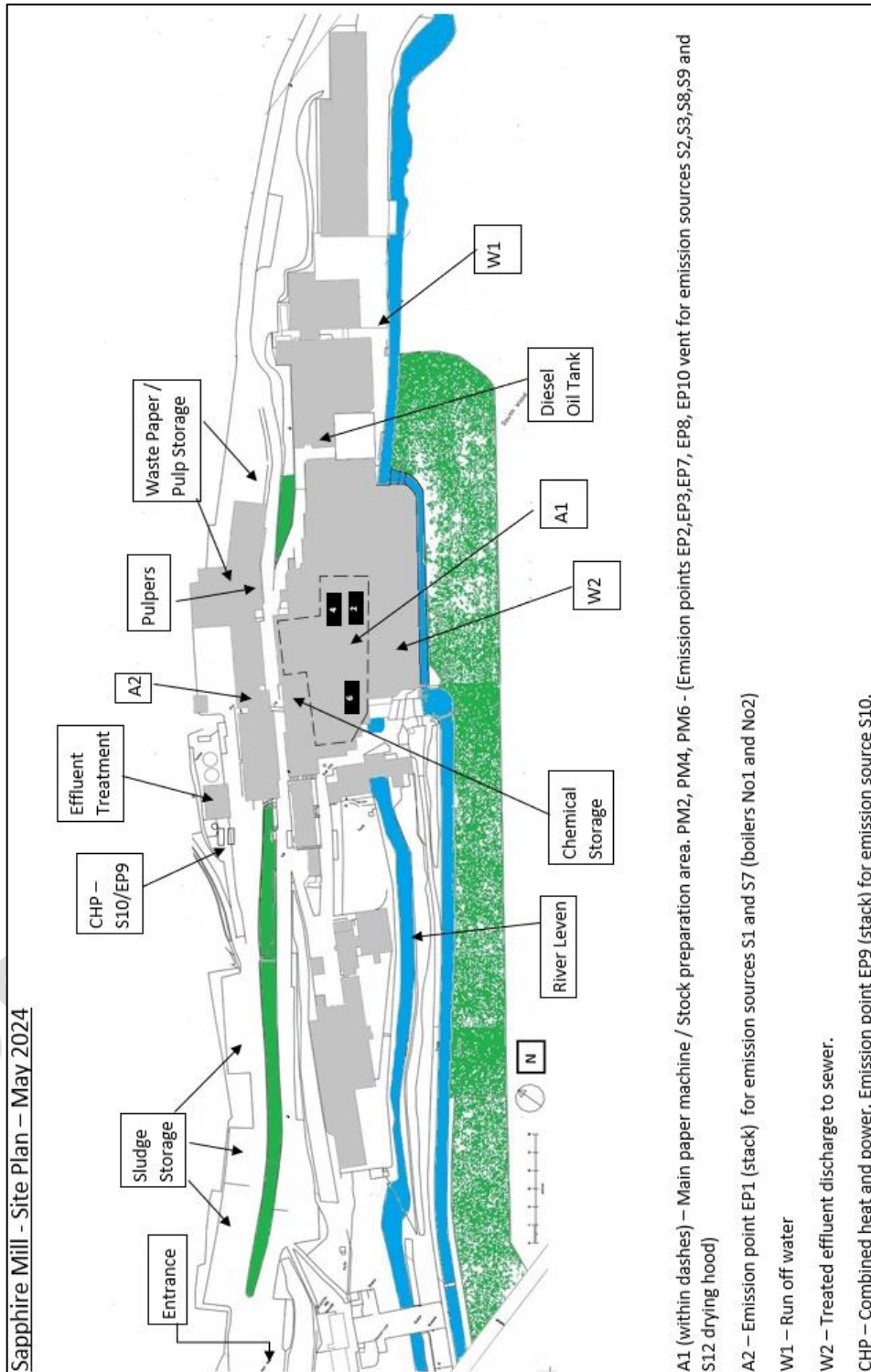
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- 1.1.4.3 A boiler, Boiler No.1, fitted with a low NOx burner which has a net rated thermal input of 7.3 Megawatts, fired by either natural gas or oil.
- 1.1.4.4 A boiler, Boiler No.2, fitted with a low NOx burner which has a net rated thermal input of 5.2 Megawatts, fired by either natural gas or oil.
5. Condition 1.1.5.1 has been deleted and replaced by a new condition 1.1.5.1, as follows:
- 1.1.5.1 Combustion Plant more particularly described below:
- a) 3 high velocity gas fired end hoods on paper machines:
- PM2 – Gas fired hood with a total thermal input capacity of 2.4MW (1.5MW+0.9MW);
- PM4 - Gas fired hood with a total thermal input capacity of 3.7MW (1.9MW+1.8MW);
- PM6 - Gas fired hood with a thermal input capacity of 5.0 MW.

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6. Condition 1.2 Site Plan has been deleted and replaced by a new condition 1.2 Site Plan, as follows:

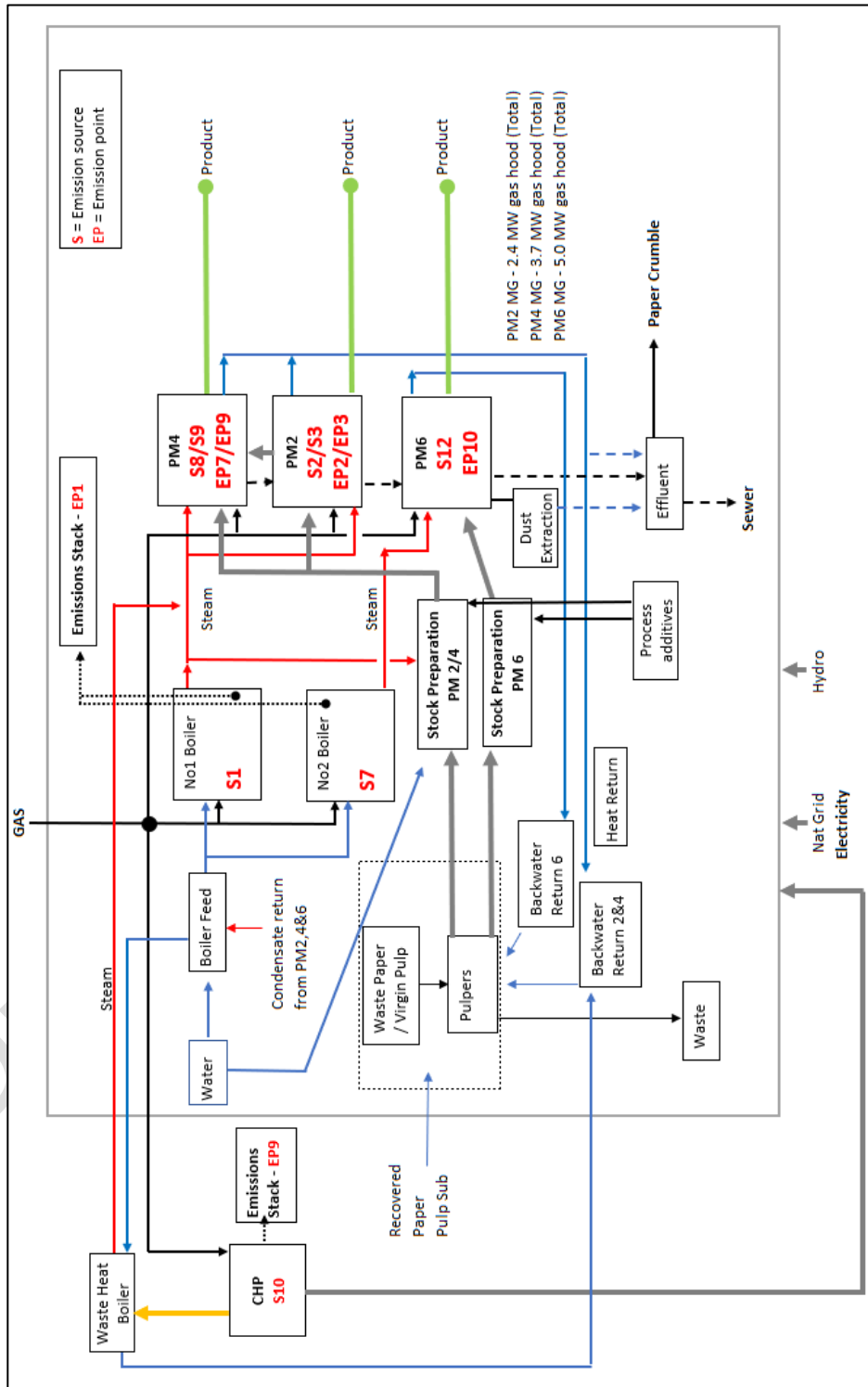
**1.2 Site Plan**



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7. After Condition 1.2 Location Plan has a new condition 1.3 Process Flow Diagram, has been added as follows:

### 1.3 Process Flow Diagram



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8. Table 5.1 is deleted, and a new Table 5.1 inserted as follows:

Table 5.1 - Emissions to Air ELVs

Source of Emission	Emission source	4	4	EP9
		Boiler No.1	Boiler No.2	Combined Heat and Power Plant (MCP)
	Stack height/ diameter (m)	61 X 1.78	61 X 1.78	14.9 X 0.65
Location on Emission Point Plan	A2	A2	EP9	
NGR	NO 2519 0161	NO 2519 0161	NO 2153 0159	
Monitoring Details	Type of Monitoring	Annual	Annual	Annual
	Sampling Location	Sample port in stack	Sample port in stack	Sample port in stack
Limits for Parameters from Emission Source	NATURAL GAS FIRING			
	Oxides of Nitrogen (as NO <sub>2</sub> )	140 mg/m <sup>3</sup>	140 mg/m <sup>3</sup>	95 mg/m <sup>3</sup>
	Carbon Monoxide	-	-	N/A
	GAS OIL FIRING			
	Oxides of Nitrogen (as NO <sub>2</sub> )	200 mg/m <sup>3</sup>	200 mg/m <sup>3</sup>	N/A
	Carbon Monoxide	-	-	N/A
	Dust	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	N/A

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Table 5.1 - Emissions to Air ELVs, (Continued)

Source of Emission	1	4	4	EP9
	Emission source	Boiler No.1	Boiler No.2	Combined Heat and Power Plant (MCP)
	Stack height/diameter (m)	61 X 1.78	61 X 1.78	14.9 X 0.65
	Location on Emission Point Plan	A2	A2	EP9
	NGR	NO 2519 0161	NO 2519 0161	NO 2153 0159
Monitoring Details	Type of Monitoring	Annual	Annual	Annual
	Sampling Location	Sample port in stack	Sample port in stack	Sample port in stack
Limits for Parameters from Emission Source	GAS OIL FIRING			
	Smoke	Ringelmann Shade 2 within the first 15 minutes from start-up from cold. At all other times visible smoke shall not exceed the equivalent of Ringelmann shade 1 for any period of 4 consecutive minutes, or 10 minutes in aggregate during any 8-hour period	Ringelmann Shade 2 within the first 15 minutes from start-up from cold. At all other times visible smoke shall not exceed the equivalent of Ringelmann shade 1 for any period of 4 consecutive minutes, or 10 minutes in aggregate during any 8-hour period	N/A

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9. Existing table 5.2 is deleted and a new table 5.2 is inserted as follows:

**Table 5.2 - Emissions to Air Monitoring Requirements**

Parameter	Emission point number	Spot Sampling (SS)		
		Standard	Frequency	Operational Mode
Oxides of Nitrogen (as NO <sub>2</sub> )	4 and EP9	BS EN 14792	Annually	<b>Firing on natural gas</b>  4: Each boiler operating on at least 80% operational capacity.  EP9: Operating under stable conditions at a representative even load; Not undergoing start-up or shut-down;
Carbon Monoxide	4 and EP9	BS EN 15058	Annually	<b>Firing on natural gas</b>  4: Each boiler operating on at least 80% operational capacity.  EP9: Operating under stable conditions at a representative even load; Not undergoing start-up or shut-down;
Oxides of Nitrogen (as NO <sub>2</sub> )	4	BS EN 14792	Annually	<b>Firing on gas oil</b>  Each boiler operating on at least 80% operational capacity.
Carbon Monoxide	4	BS EN 15058	Annually	<b>Firing on gas oil</b>  Each boiler operating on at least 80% operational capacity.
Dust	4	BS EN 13284-1	Annually	<b>Firing on gas oil</b>  Each boiler operating on at least 80% operational capacity.



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**10.** In the Explanatory Notes Section 5 has been deleted and replaced with the following Section 5:

**5. 'ADDRESS, TELEPHONE NUMBER, EMAIL'**

The contact address, telephone number and email for all information to be reported in terms of the Permit, are as follows:

Scottish Environment Protection Agency  
Angus Smith Building  
Unit 6  
Parklands Avenue  
Eurocentral  
Holytown  
Motherwell  
ML1 4WQ

Tel: 0800 807060

Email: [ppcdatareturns@sepa.org.uk](mailto:ppcdatareturns@sepa.org.uk) (PPC Part A data returns)