



2010 AIR POLLUTION CONTROL REVIEW REPORT

Environment Management Permit 3095

**HOWE SOUND PULP & PAPER CORPORATION
Port Mellon, B. C.**

By:

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SUMMARY

Air discharges remained well below permit levels for 2010. Upgraded precipitator controls have resulted in substantial reductions in particulate emissions.

DISCUSSION

Air emissions for the past three years are shown in Table 1 and Figures 1 - 6. There was a significant reduction in particulate emissions from the power boiler in 2009 due to the installation of new controls on its electrostatic precipitator. Installation of similar controls on the recovery boiler precipitator began in 2010 and also resulted in an improvement in particulate emissions from that boiler. Installation of the new controllers will be completed in 2011. Emissions of other parameters were within the long term historical range.

The amount of DNCG venting continues to be above the long term average due to the ongoing mechanical breakdowns with the power boiler grates and grate drives. The boiler will be converted to a bubbling fluidized bed in June 2011 and reliability is expected to improve substantially, resulting in a corresponding reduction in DNCG venting.

Table 1. AIR EMISSION COMPARISON

		2008	2009	2010	Permit
Total Production (adt)		532,669	473,018	559,668	--
Kraft Production (adut)		346,331	349,569	393,673	--
TRS (kg/d)	Recovery Boiler	4.7	4.5	3.7	42.8
	Miscellaneous Sources	57	16	12	133
PM (kg/d)	Recovery Boiler	443	459	320	1,285
	Power Boiler	477	281	137	1,043
	Smelt Tank	136	125	117	209
	Lime Kiln	21	33	28	149
SO ₂ (kg/d)	Recovery Boiler	17	24	65	--
	Power Boiler	725	658	1,018	2,722
NO _x (kg/d)	Power Boiler	987	1,017	1,377	2,722
CNCG Venting (minutes)		824	666	253	--
DNCG Venting (minutes)		53,471	42,787	42,099	--

CONCLUSION

All air emission parameters remain well below the permitted levels and HSPP's air emission controls continue to operate effectively.

Figure 1. TRS Emissions (kg/d)

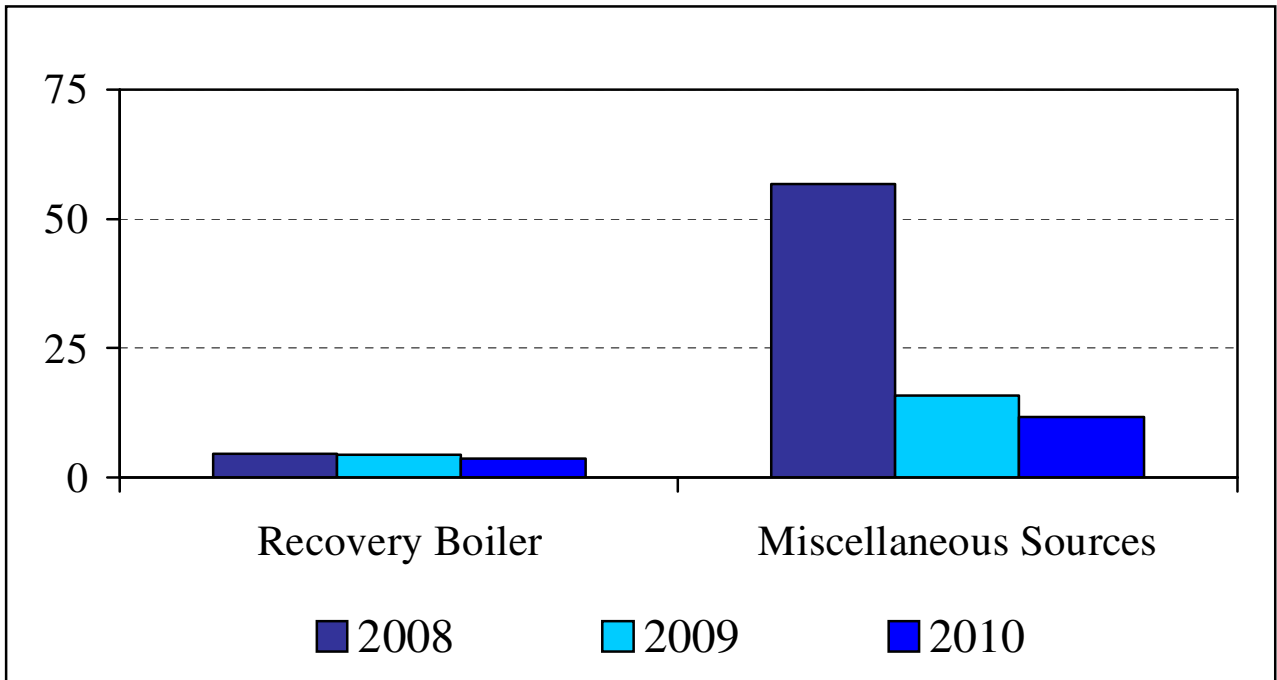


Figure 2. PM Emissions (kg/d)

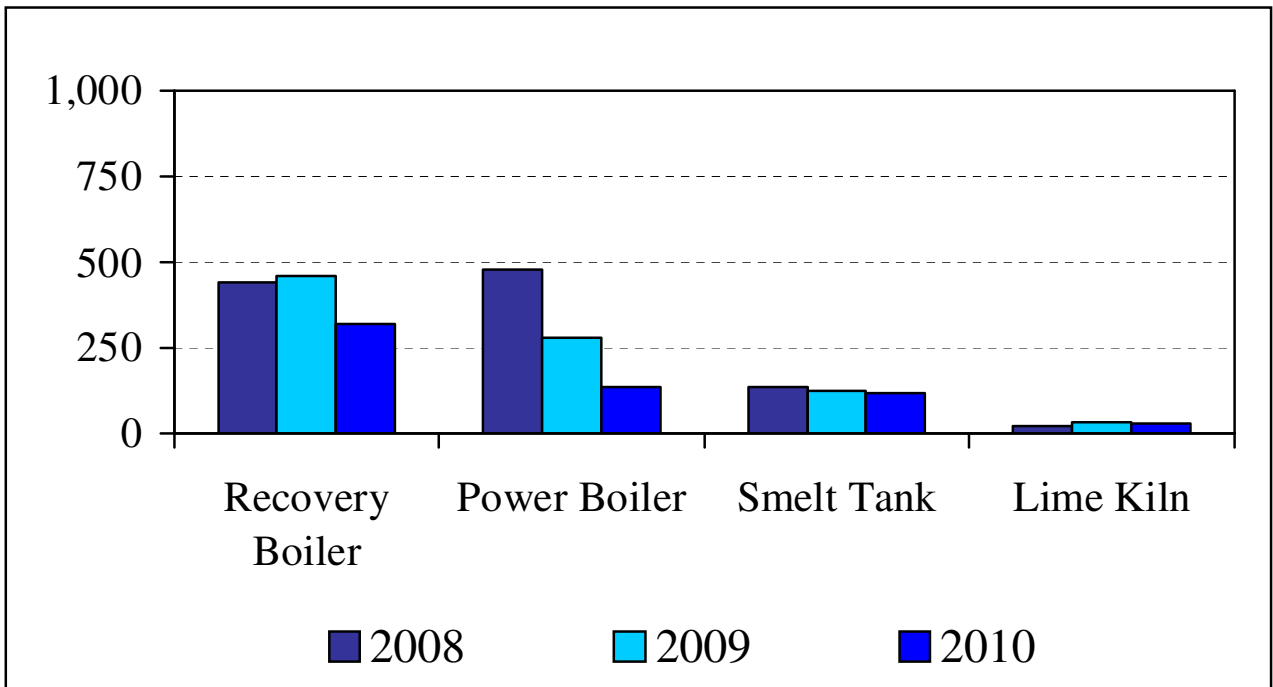


Figure 3. SO₂ Emissions (kg/d)

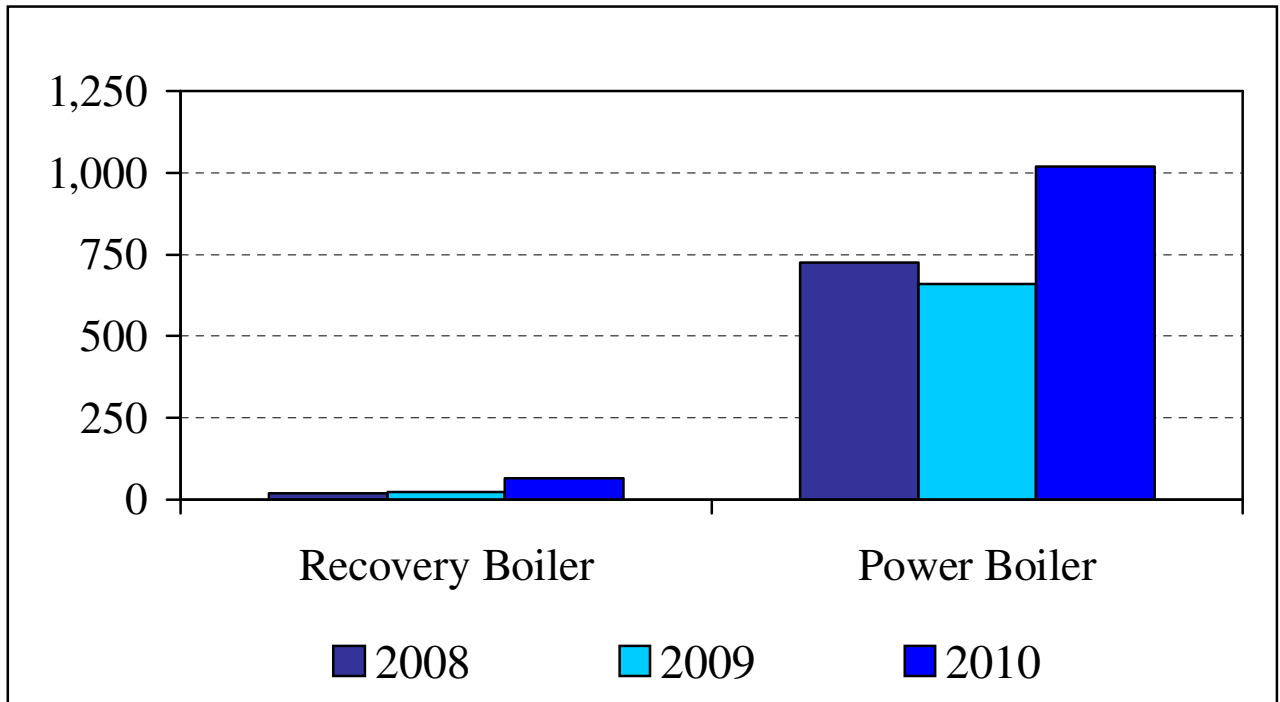


Figure 4. NO_x Emissions (kg/d)

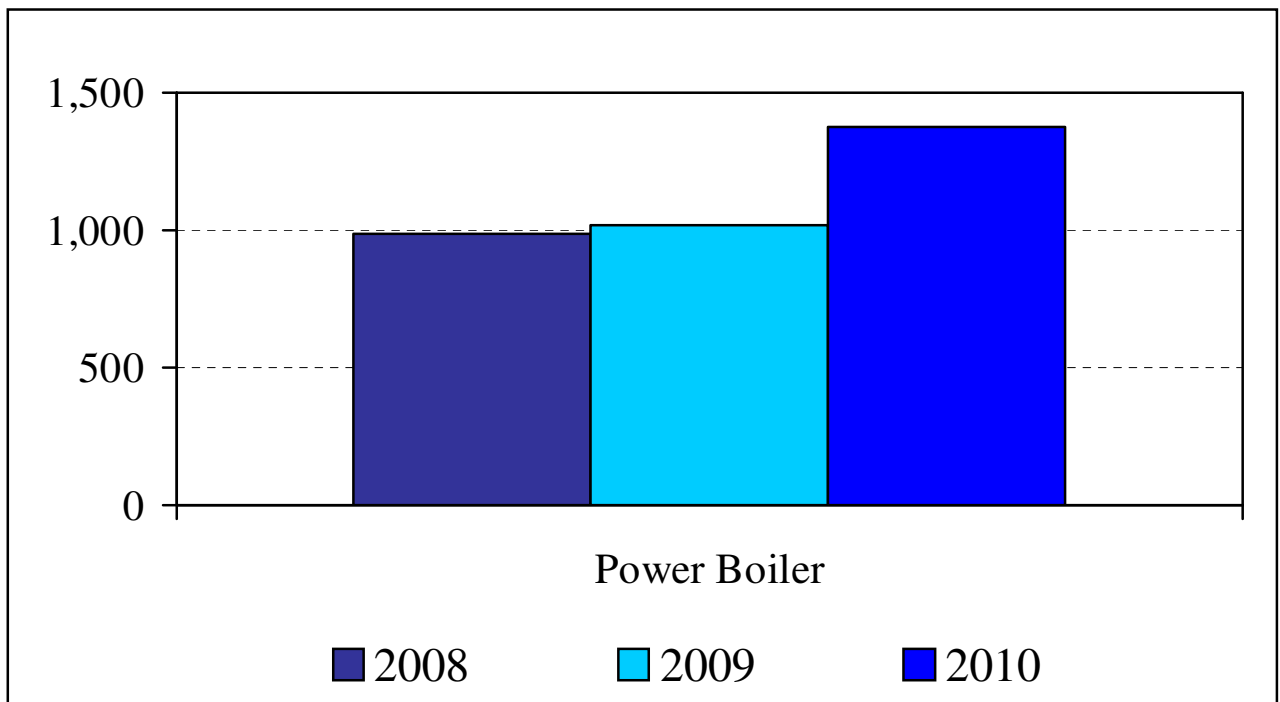


Figure 5. CNCG Venting

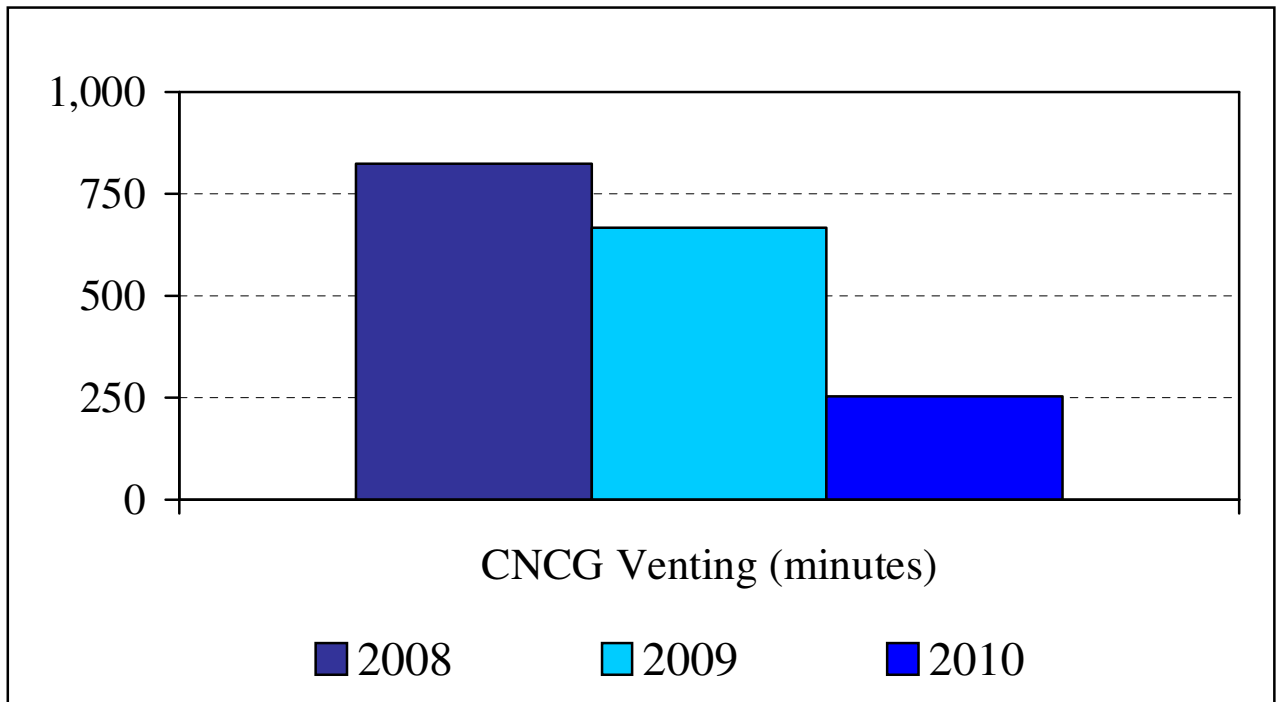


Figure 6. DNCG Venting

