2009 AIR POLLUTION CONTROL REVIEW REPORT

Environment Management Permit 3095

At:
HOWE SOUND PULP & PAPER LIMITED
Port Mellon, B. C.

By:

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SUMMARY

Air discharges remained well below permit levels for 2009.

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 due to the installation of new controls on its electrostatic precipitator. Installation of similar controls on the recovery boiler precipitator is planned for 2010. 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. Ash collection hoppers were installed underneath the boiler grates during October and boiler reliability has improved since then.

Table 1. AIR EMISSION COMPARISON

		2007	2008	2009	Permit
Total Production (adt)		550,708	532,669	473,018	--
Kraft Production (adut)		391,515	346,331	349,569	--
TRS (kg/d)	Recovery Boiler	5	5	5	42.8
	Miscellaneous Sources	15	57	16	133
PM (kg/d)	Recovery Boiler	523	443	459	1,285
	Power Boiler	797	477	281	1,043
	Smelt Tank	145	136	125	209
	Lime Kiln	11	21	33	149
SO_2 (kg/d)	Recovery Boiler	8	17	24	--
	Power Boiler	774	725	658	2,722
NOx (kg/d)	Power Boiler	1,321	987	1,017	2,722
CNCG Venting (minutes)		886	824	666	--
DNCG Venting (minutes)		29,685	53,471	42,787	--

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)

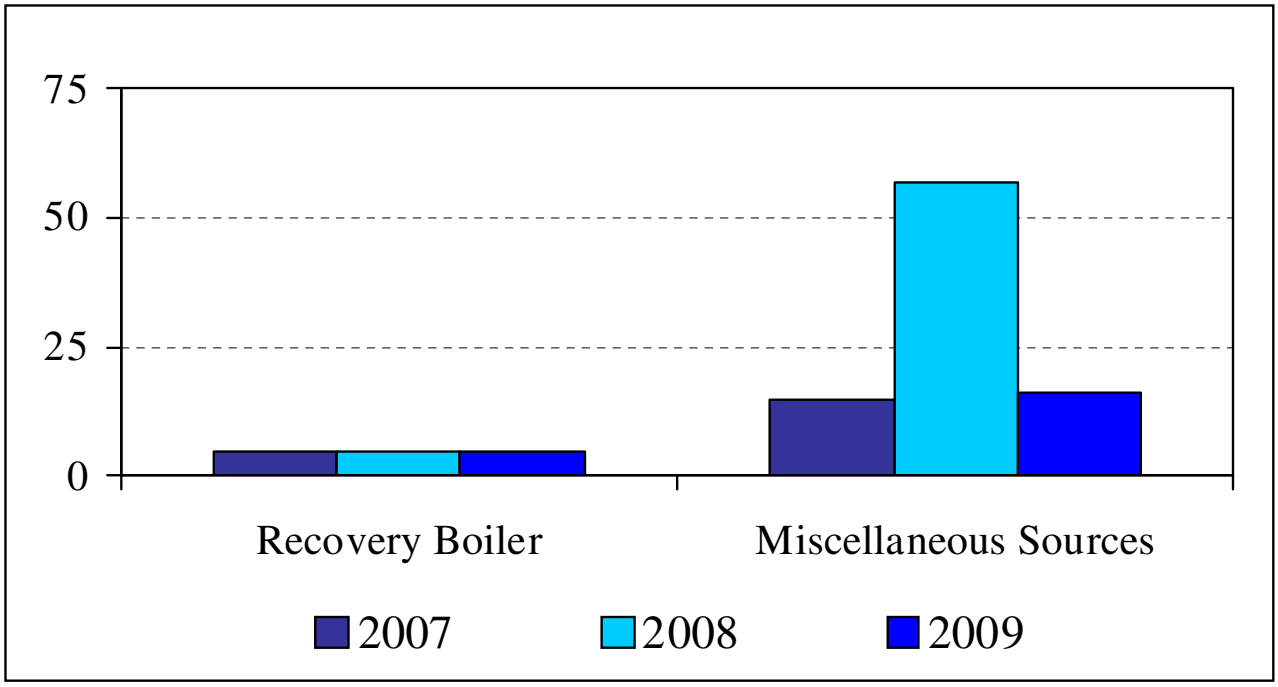

Figure 2. PM Emissions (kg/d)

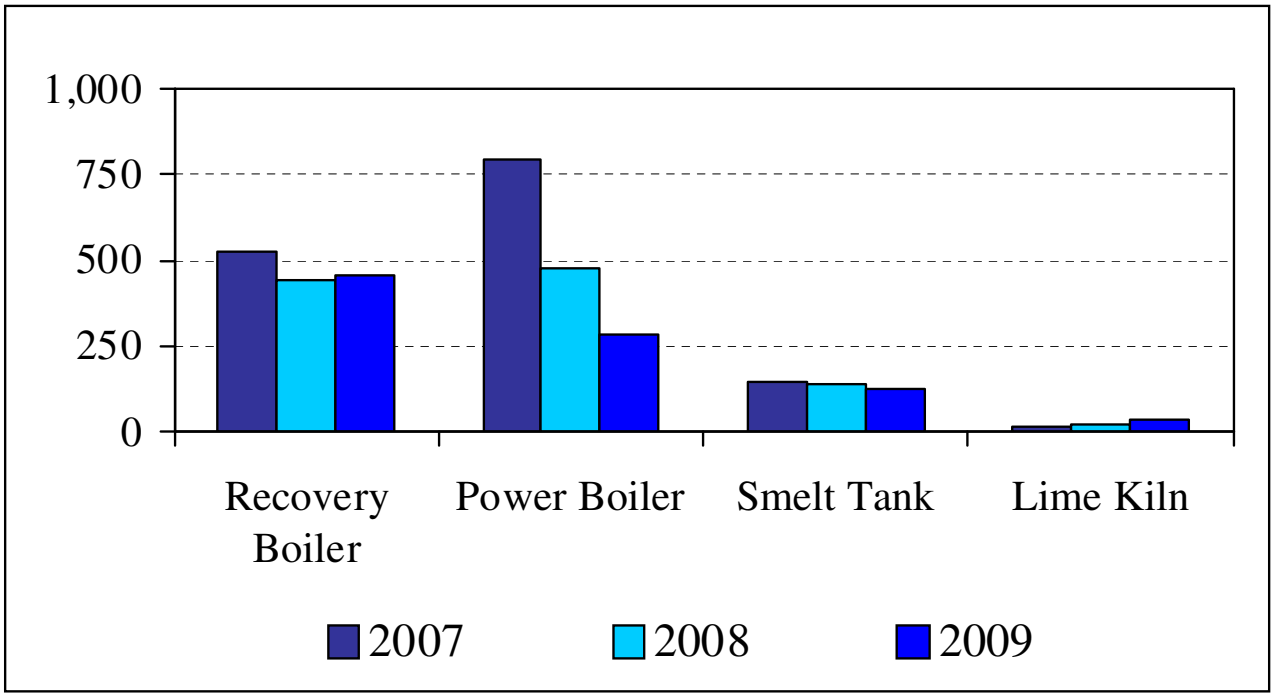

Figure 3. SO_2 Emissions (kg/d)

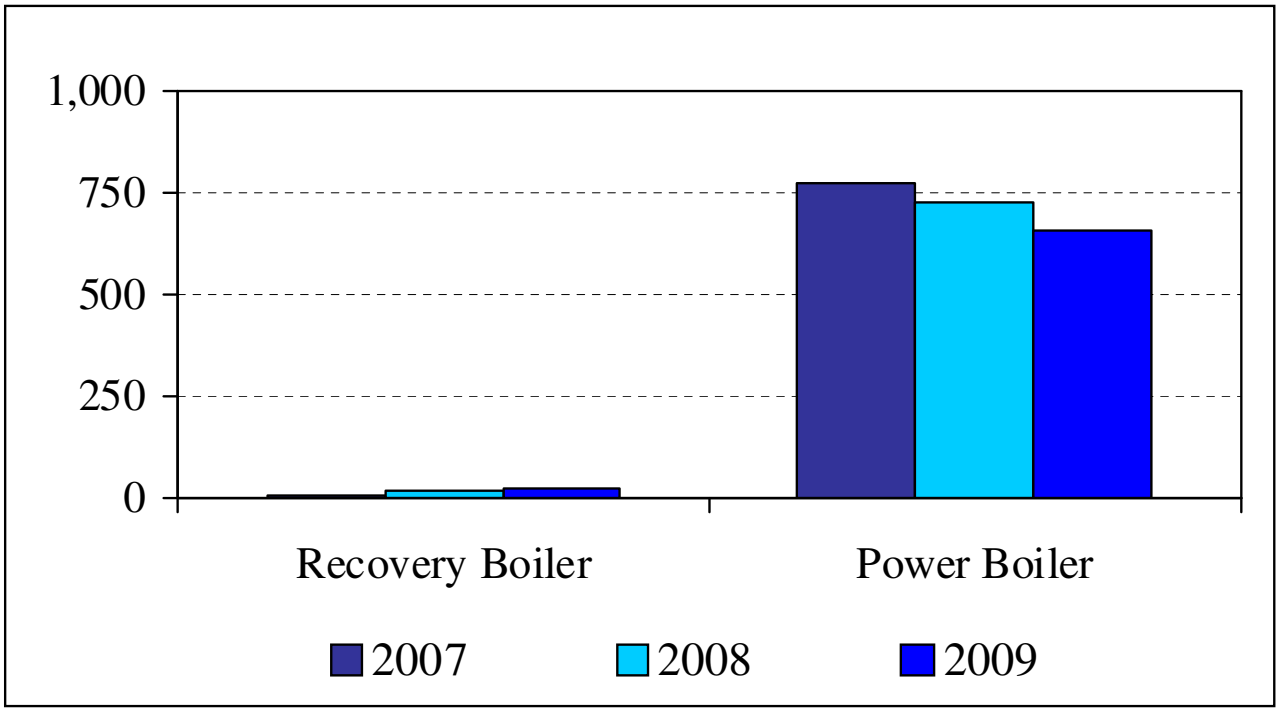

Figure 4. NOx Emissions (kg/d)

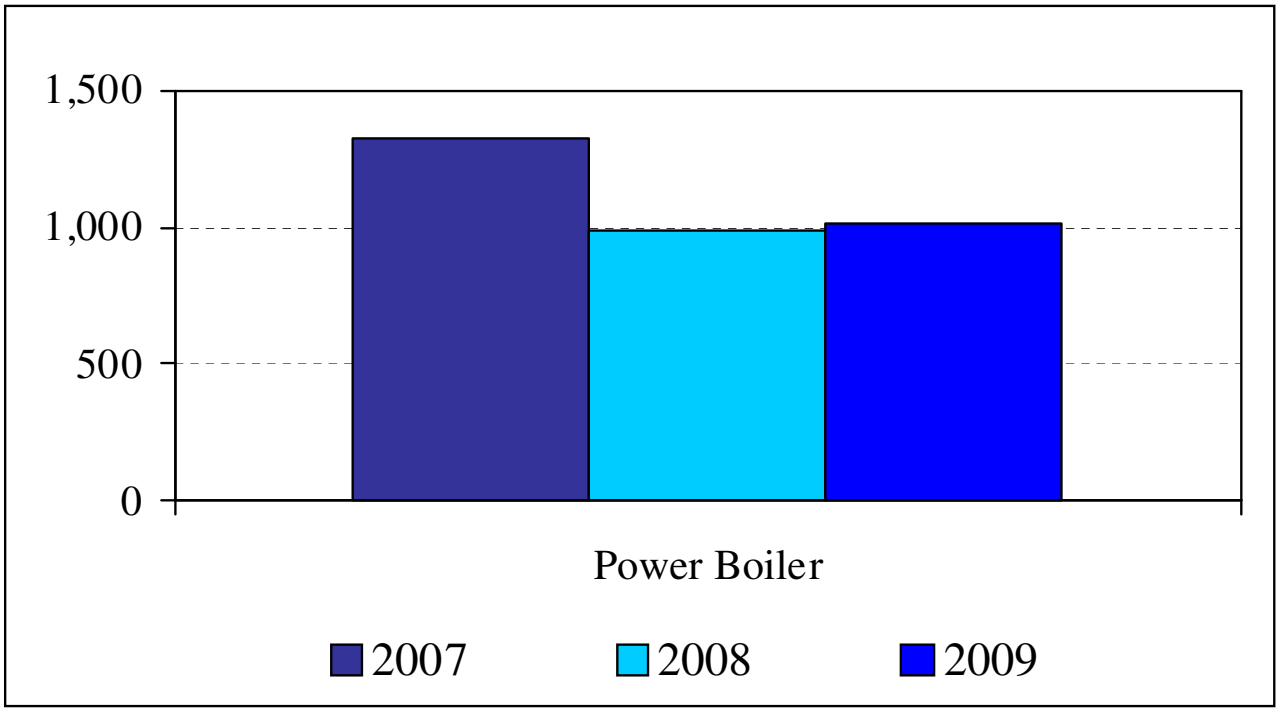

Figure 5. CNCG Venting

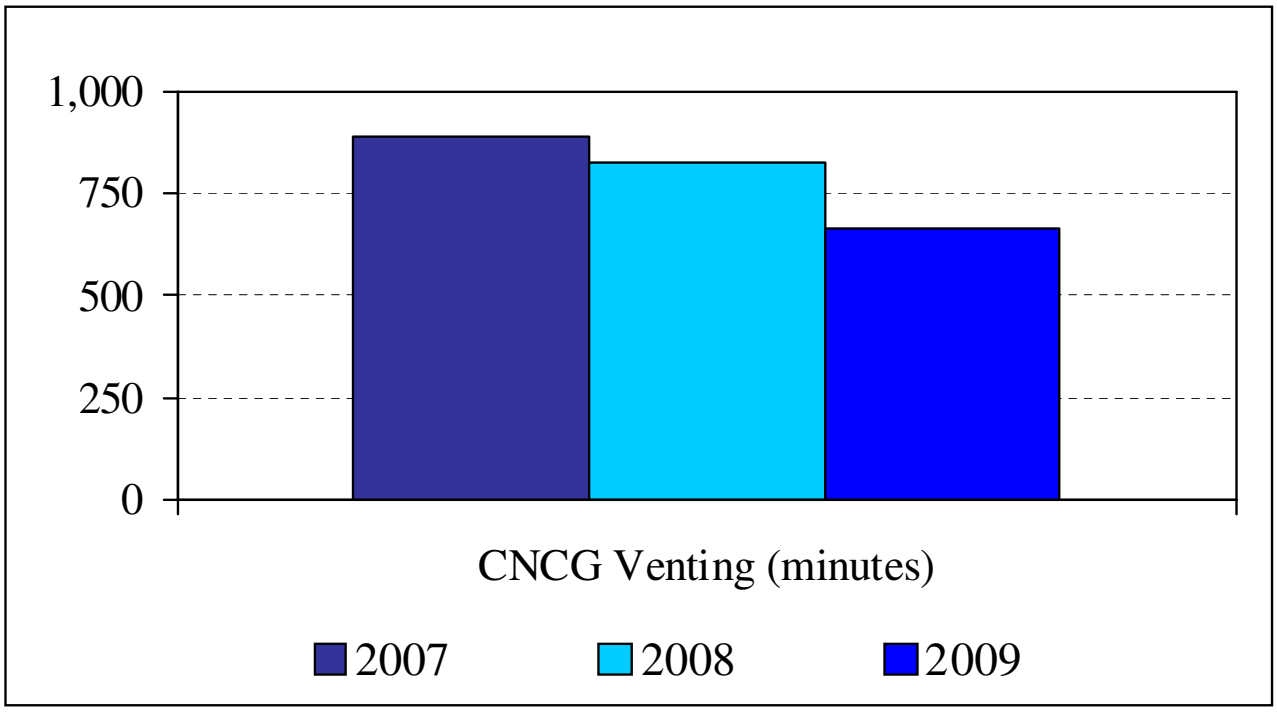

Figure 6. DNCG Venting