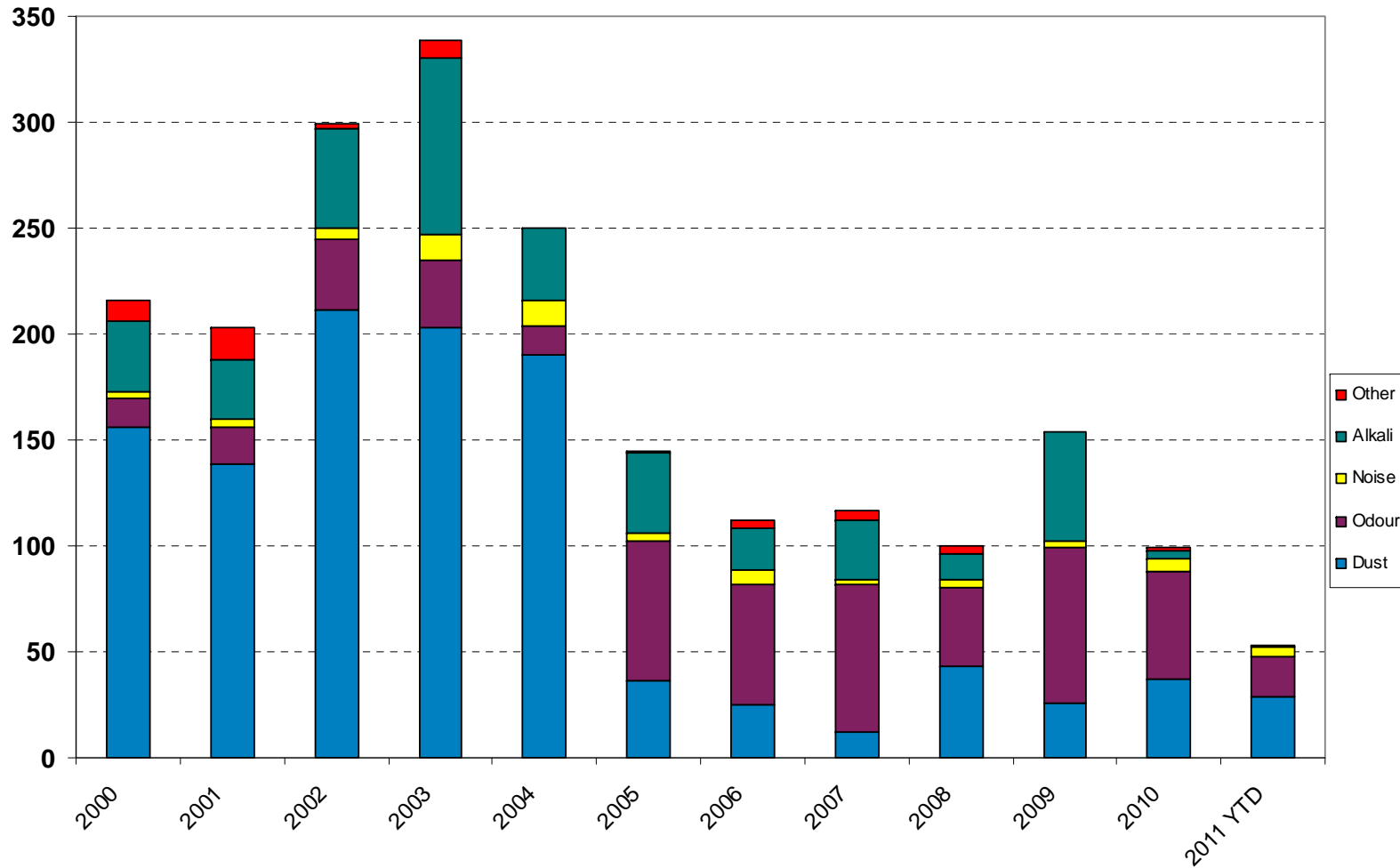


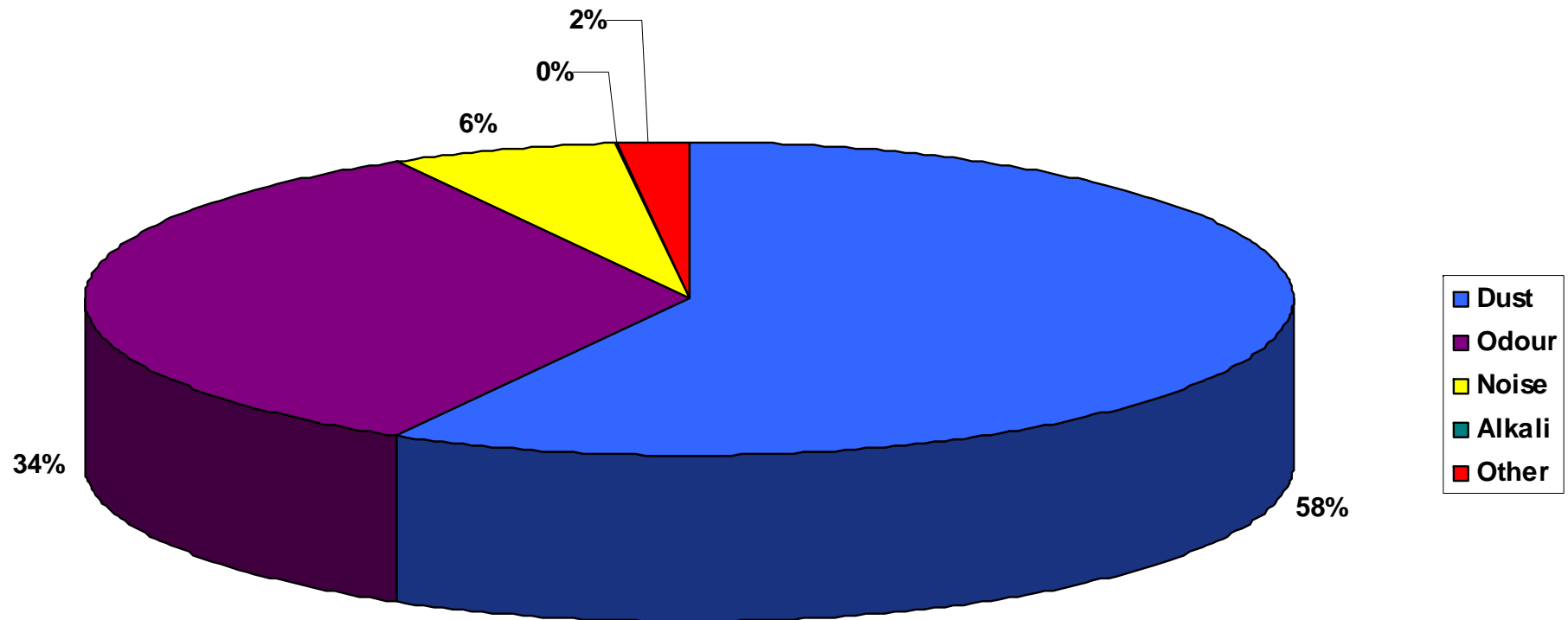


# Complaints



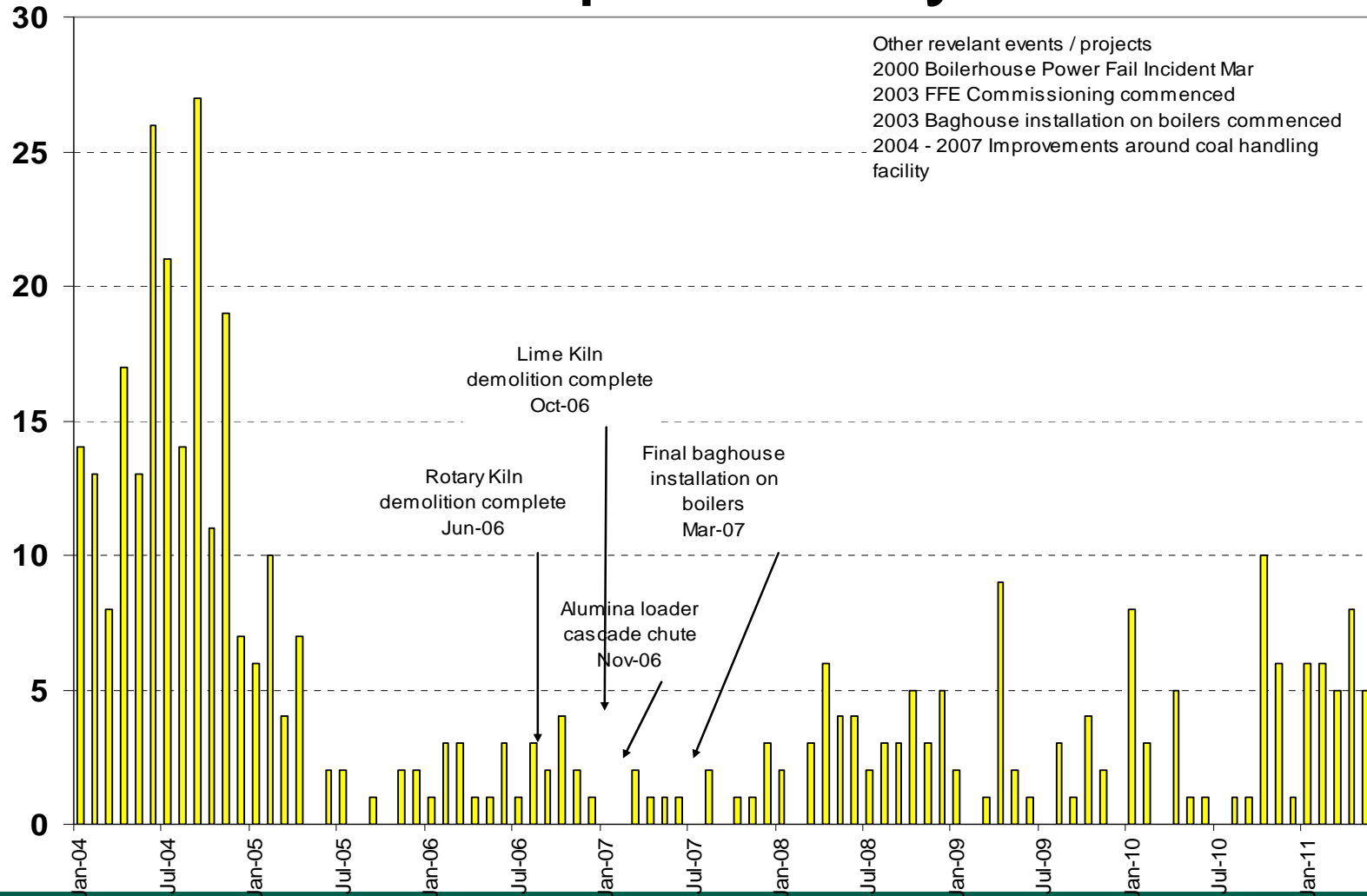


# Complaint Breakdown by Type 2011 YTD



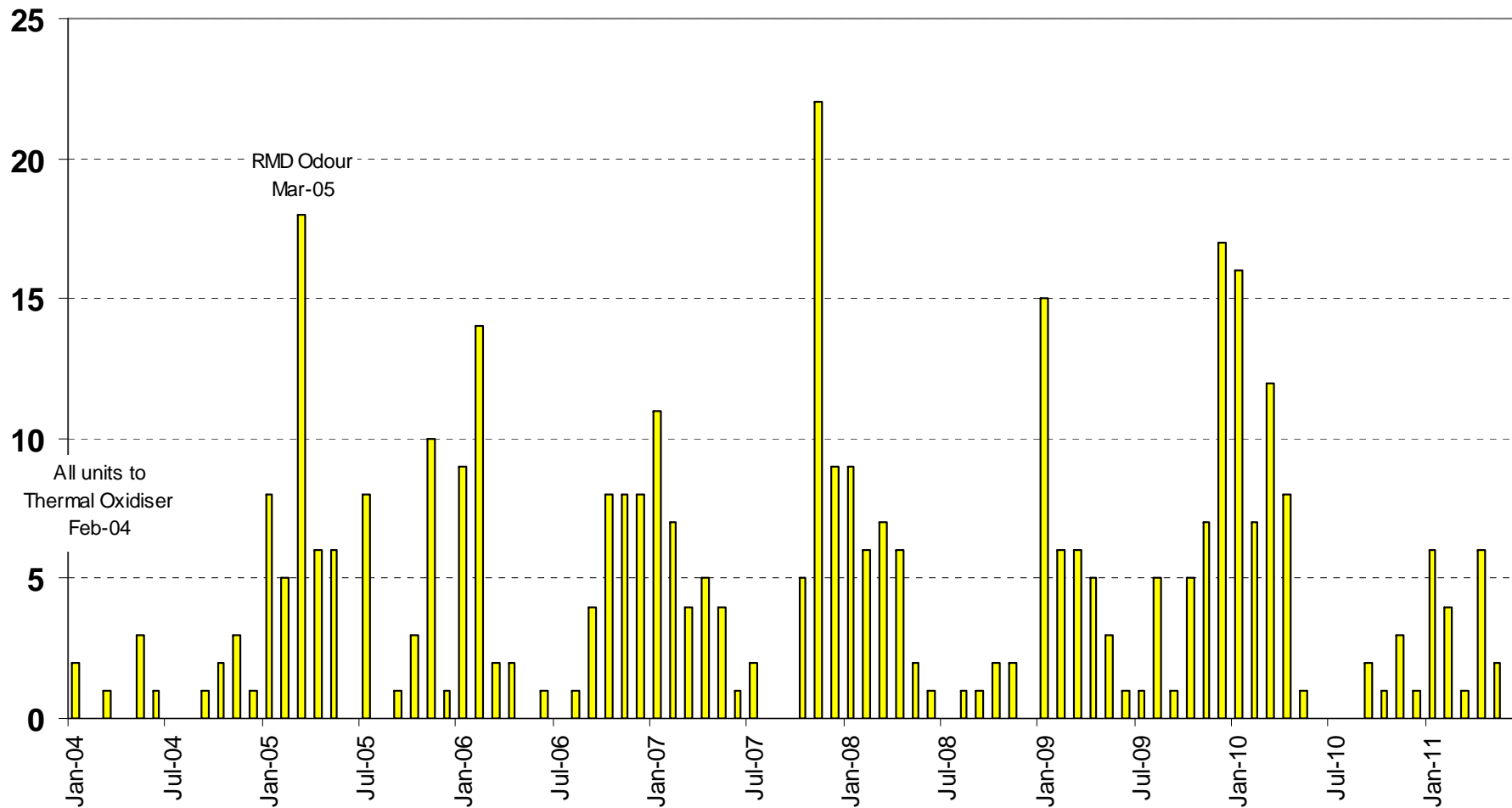


# Dust complaints by month



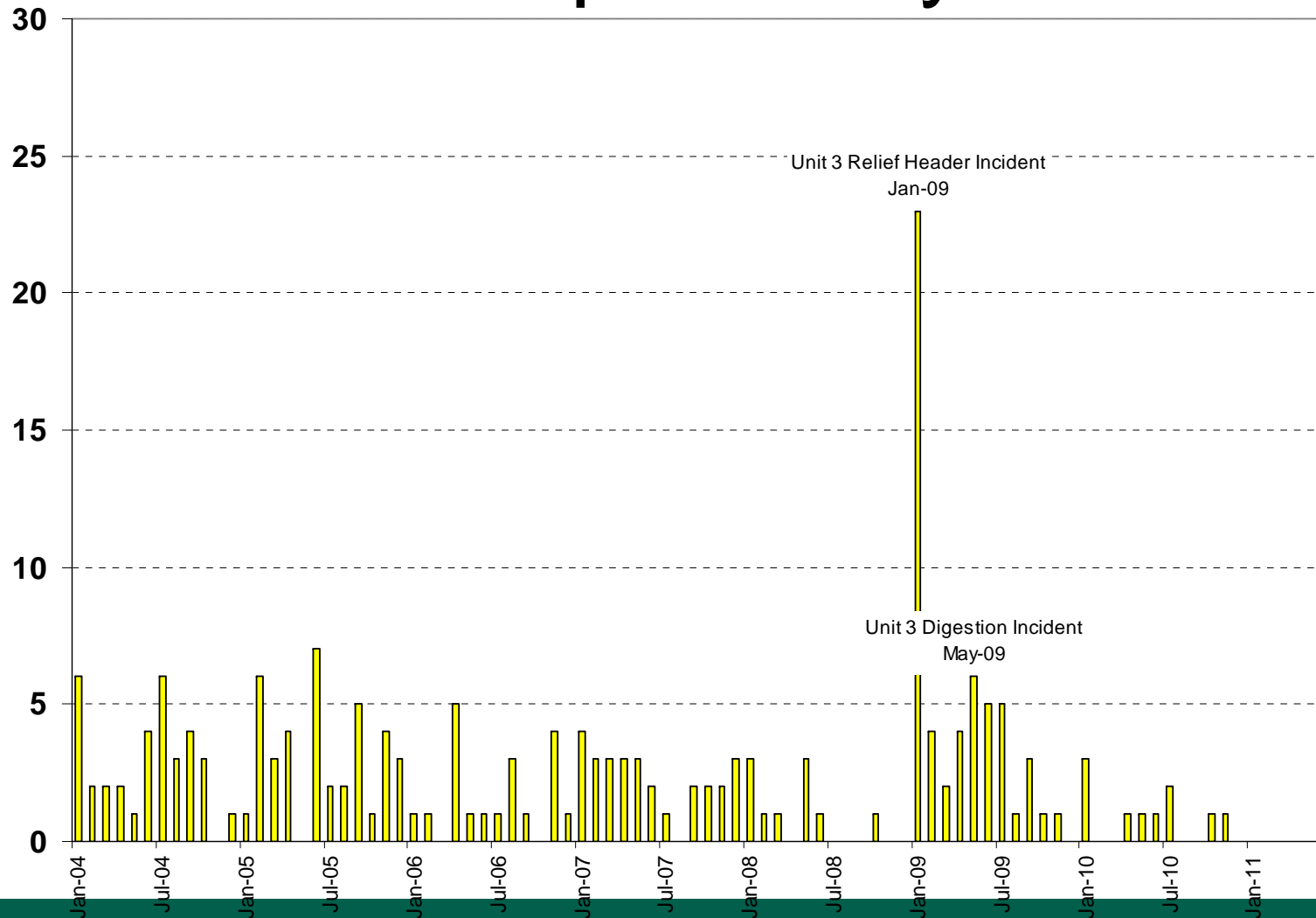


# Odour complaints by month



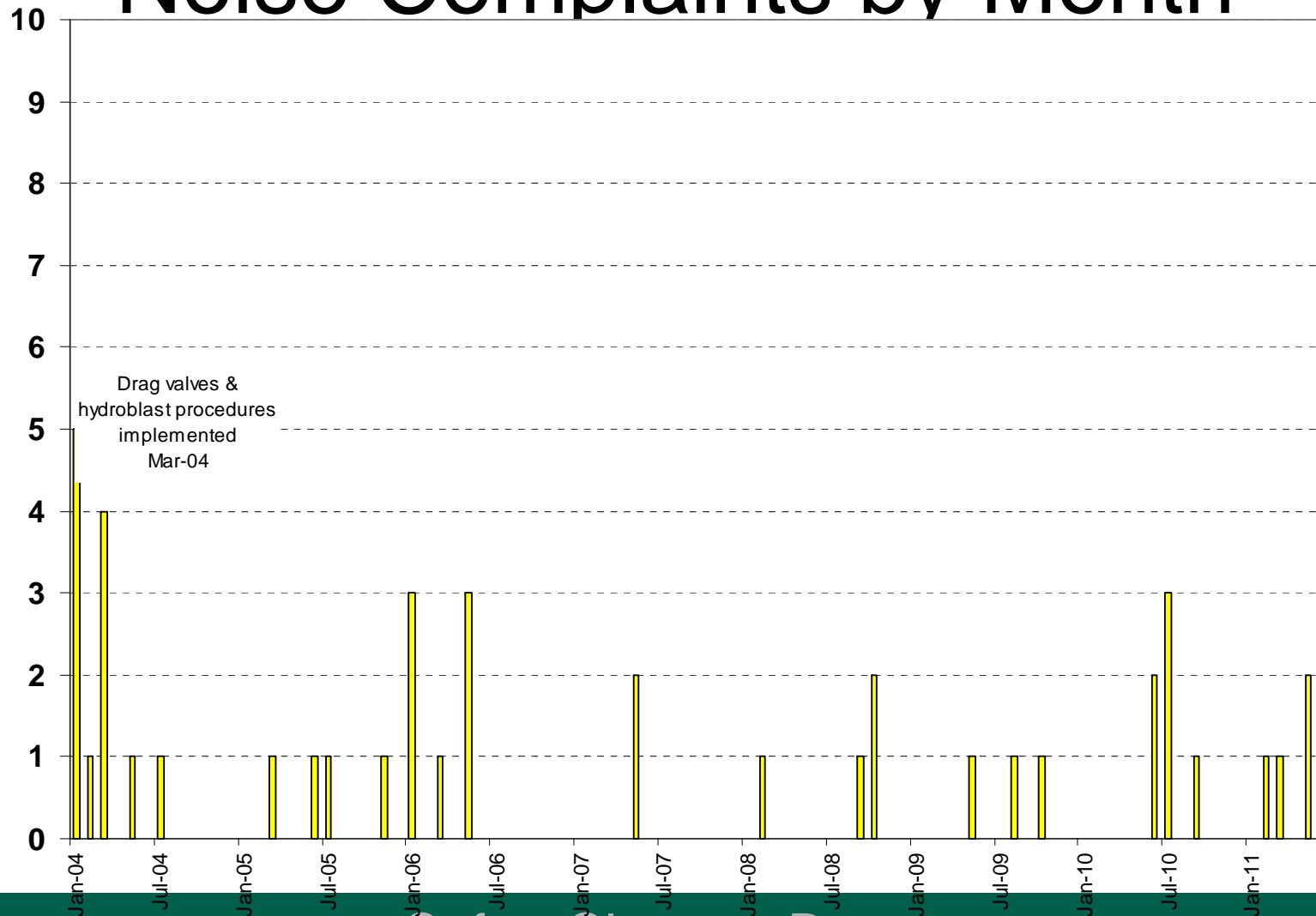


# Alkali complaints by month





# Noise Complaints by Month





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# General Update

- Dust mitigation at Ash Ponds - chipped waste pallets from site are being spread on the ash dams to suppress dust.
- Tree planting continuing in 2011 with a target of 2100 trees.

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# DA changes Boiler house stacks

- 2<sup>nd</sup> gas fired package boiler – submission to DERM
- New license conditions for boiler system, including implementation of continuous environmental monitoring system.

	<b>New</b>	<b>Old</b>
NOx (Coal Boilers)	2500 mg/Nm <sup>3</sup> (1 hour average)	None
NOx (Package Boilers)	350 mg/Nm <sup>3</sup> (1 hour average)	None
Sulphur (Coal)	0.7% by weight	3% by weight
Sulphur (fuel oil)	0.5% by weight	3% by weight



# Residue Disposal Area - EE

- DERM notified late 2009 - Dissolved Oxygen (DO) levels consistently below license limit of 2 mg/L (ppm).
- Installation of paddlewheels in January 2010 - DO levels at discharge have generally been above license limits.
- DERM issues a notice for QAL to conduct an Environmental Evaluation relating to the Red Mud Dam.
  - Understand the impact to receiving environment
  - Environmental Evaluation conducted by the Australian Institute of Marine Science (AIMS).
  - The report was submitted to DERM Friday 20<sup>th</sup> May 11



# Residue Disposal Area - EE

- Biological assessment
  - Indicates that bacteria population in RMD2 decant pond (or channel) is not having an impact on receiving environment
- Ecotoxicity analysis
  - The RMD2 discharge water exhibited nil toxicity to the six species (algae, oysters x 2, barramundi, sea urchin, amphipod) tested for almost all tests.
- Impact assessment indicate that RMD discharge is having minimal impact on South Trees Inlet
  - Tests on oysters and crabs indicate minimal impact from discharge



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## Residue Disposal Area - EE

- South Trees Inlet is a constrained system, with minimal flushing capabilities, DO will be naturally low in this system.
- Study conducted during period of heavy rainfall and overtopping of Awoonga dam.
- Results indicate impact from fresh water flows through the system
- A similar study will be conducted in July / August of this year to better define seasonal variations.

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# April Dust & Alkali Complaints

- 8 dust complaints received in April
- No alkali complaints received

Date	Location of Complainant	Location of visible dust emissions
09.04.2011	Barney Point	Wharf
09.04.2011	Barney Point	Wharf
17.04.2011	Barney Point	Wharf
17.04.2011	Barney Point	Wharf
19.04.2011	Barney Point	Plant A Frame
26.04.2011	Barney Point	Wharf
27.04.2011	Barney Point	Island A Frame
27.04.2011	Barney Point	Island A Frame



# April 2011 Wind Direction

