

## CONTROL AND MONITORING

NPIL uses a range of special equipment to minimise pollution from processing.

**Furnaces:** Dry fuel and high temperatures ensure clean burning and the hot gas is cleaned of ash in a multicyclone.

**Dust Control:** To prevent dust or fibre escaping specially-designed cyclones and baghouses are used for separating the fibre from transport air.

**Noise:** To minimise noise the chipping operation runs only during daytime. Equipment is housed in noise enclosures and process vents have noise attenuators or silencers to reduce fan noise.

**Formaldehyde:** Research carried out in conjunction with resin suppliers has resulted in significant reductions in formaldehyde levels of GoldenEdge Medium Density Fibreboard. Production for special markets is made to low fuming levels similar to the formaldehyde levels found in natural wood products. Monitoring shows the level of formaldehyde from production processes is well below recommended levels and is often no different upwind or downwind of the plant. The prevailing wind disperses gases in a way which renders them harmless.

**Monitoring:** NPIL undertakes regular monitoring of its processes and the surrounding environment to ensure there are no detrimental impacts on the environment. The health of the estuary alongside the plant is monitored on a regular basis. Process vents and dryer cyclones are checked for emissions. Dust and process emission levels are tested down wind of the plant using special sampling equipment. Air bag filters are checked for dust levels. Night time noise levels are periodically monitored, using special noise monitoring and data logging equipment. NPIL has installed its own weather station for information on wind direction, temperature, humidity and rainfall.