

# 12.0 Environmental Programme

## 12.1 Implementation - 2008

No. Series	Aims & Objectives	Problem Solving	Current Status Report
8.1	Minimise drinking water usage and sewage by 1% of the total 2007 consumption	<ul style="list-style-type: none"> <li>o Explore whether changing the pretreatment zone from producing reduced sewage to no sewage at all is economically viable.</li> <li>o Prepare a costing and implementation plan</li> </ul>	<ul style="list-style-type: none"> <li>o A proposal assessing the economic viability of a vaporising unit with increased capacity will be drawn up by the end of 2008</li> <li>o Decision to follow</li> </ul>
8.2	Explore the implementation of new chemicals legislation according to REACH	<ul style="list-style-type: none"> <li>o Reach agreement over the implementation of new chemicals legislation with our suppliers</li> <li>o What will the legal requirement mean for HAKO</li> <li>o Draw up implementation plan</li> </ul>	<ul style="list-style-type: none"> <li>o All relevant chemical suppliers of &gt; 1 t/a of substances or preparations to HAKO have been contacted to complete a questionnaire regarding the REACH implementation</li> </ul>
8.3	Minimise the emissions of spray paint solvents by around 50%	<ul style="list-style-type: none"> <li>o Explore changing to water soluble spray paint with a high solid particle content</li> </ul>	<ul style="list-style-type: none"> <li>o The importance of changing to water soluble spray paint will be assessed until the end of 2008 as only 3% of machinery parts at HAKO are lacquered with spray paint</li> </ul>
8.4	Implement the use of BIO-Gas	<ul style="list-style-type: none"> <li>o Utilise renewable energies</li> <li>o Contact equipment suppliers</li> <li>o Examine the compatibility of BIO-Gases with the existing equipment at HAKO</li> <li>o Draw up implementation proposals</li> </ul>	<ul style="list-style-type: none"> <li>o Block heating power station is installed</li> <li>o Network cables have been connected to our heating installation have been connected</li> <li>o Test-run has taken place</li> <li>o Usage of energy from the Biogas installation should be possible from autumn 2008</li> </ul>
8.5	Implement the contents of ElektroG	<ul style="list-style-type: none"> <li>o Implement the contents of the dissertation according to RoHS-RL</li> <li>o Implement the WEEE-RL with external help</li> </ul>	<ul style="list-style-type: none"> <li>o New guidelines for environmentally friendly design will become company policy and be implemented in the manufacturing of new products</li> </ul>
8.6	Improve the separation of solid materials in the washroom	<ul style="list-style-type: none"> <li>o Replace the old coalescence separator in the washroom with new technology</li> </ul>	<ul style="list-style-type: none"> <li>o Decision by the end of 2008</li> </ul>

# 12.1 Environmental Programme for 2009

No series	Aims and Objectives	Problem Solving
9.1	Reduce fresh water consumption and sewage by 1% of the overall consumption of 2008	<ul style="list-style-type: none"> <li>o Explore whether changing the pretreatment zone from producing reduced sewage to no sewage at all is economically viable.</li> <li>o Prepare a costing and implementation plan</li> </ul>
9.2	Minimise the emissions of spray paint solvents by around 50%	<ul style="list-style-type: none"> <li>o Explore changing to water soluble spray paint with a high solid particle content</li> <li>o Prepare a costing plan</li> </ul>
9.3	The existing separator installation to be replaced by a new modern one	<ul style="list-style-type: none"> <li>o Update the old light liquid separator and sludge collector (in waste disposal area) by structural improvement</li> </ul>
9.4	Optimise the lighting technology in the production halls	<ul style="list-style-type: none"> <li>o Current status report</li> <li>o Formulate goals</li> </ul>
9.5	The controls to regulate individual temperature on the heating systems in the different production areas to be updated with new technology	<ul style="list-style-type: none"> <li>o Plan market research! What new technology is available?</li> <li>o Establish economic viability</li> <li>o Commission pilot study and plan for possible implementation in 2010</li> </ul>
9.6	Locate energy heat loss through external walls in our production and office buildings and submit a proposal for improvement	<ul style="list-style-type: none"> <li>o Take measurements with a heat camera</li> <li>o Document the results and with external help work out areas for improvement</li> <li>o Work out a staged implementation plan for renovation</li> </ul>
9.7	The ElektroG implementation	<ul style="list-style-type: none"> <li>o Establish what is affected</li> <li>o List the equipment and register with EAR</li> <li>o Draw up procedure for the Hako-Organisation</li> </ul>