NSW TANNERY BENEFITS FROM HIGHLY EFFICIENT CHROME REMOVAL PROCESS AND A VERY DRY SLUDGE....

NCMC (Northern Cooperative Meat Company) engaged Hydroflux Industrial to design and install a new treatment plant to remove Chrome from wastewater originating from the on site tannery in Casino, NSW.

Twin filter presses dewatering DAF sludge

Located on the same site as the abattoir all hides are received immediately after slaughter and put directly into the chrome tanning process. The raw wastewater from the factory contains up to 300 mg/L of chrome III, high levels of solids and grease and considerable dissolved salts.

The wastewater treatment process involves fine screening, balancing, pH correction and flocculation followed by DAF and the sludge is dewatered in a twin filter presses.

Due to the high TDS the HyDAF HD20 was fabricated in Duplex stainless steel.

The performance of the plant is outstanding with <5mg/L of chrome consistently in discharge from the and often non detectable. The sludge removed from the DAF contains approximately 15% dry solids and this is dewatered in a filter press to over 50% dry solids.

DAF sludge and filter cake containing over 50% dry solids

Hydroflux Industrial is a business dedicated to providing high quality wastewater technology and processes to Australian businesses

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DESIGN AND CONSTRUCTION OF ALL ASPECTS OF PRIMARY AND SECONDARY BIOLOGICAL TREATMENT AND REUSE