

SITE DETAILS:



The Royal Australian Air Force has an airbase in Amberley, Queensland to house its new fleet of Super Hornets along with other air force planes. Included on-site is a new washbay facility for washing of the planes.

SAS Water Solutions were responsible for the design, supply, install, commission and maintain of a water recycling treatment plant for the washbay. The washbay was designed, manufactured and installed by Leighton Contractors Pty Ltd. The requirement of recycling the washbay water came when it was determined that the existing sewage treatment plant was already undersized for the water generated from the airbase. The standard for cleaning the planes comes from the

manufacturer Boeing, Boeing created the NAVAIR 01-1A-509-2, TM1-1500-344-23-2 April 2009 Standard. Included in this standard is the water quality required to ensure minimal corrosion occurs when washing the planes.

EQUIPMENT DESIGN, SUPPLY & INSTALLED:

SAS Water Solutions have designed the Water Treatment Plant for the Australian Super Hornet Washbay, which includes the equipment listed:

- WTP
- Remote SCADA access system
- Full 3-D models of all equipment supplied
- Design, Manufactured, Installed and commissioned in 6 months



CHEMICAL AND BIOLOGICAL ANALYSIS:

SAS perform regular quarterly chemical testing of all systems. Our scope of supply also includes the biological and chemical compliance sampling on site.





CHEMICAL SUPPLY:

SAS supplies the following chemicals for the water treatment plant:

- Phosphoric Acid
- Anit-scalant
- Calcium Chloride
- Sodium Bisulphate
- Reverse Osmosis Train and CIP system



EQUIPMENT SERVICE:

Systems Serviced by SAS Water Solutions include the following:

- | | |
|-----------------------|--------------------|
| • Reverse osmosis | • Oxidation System |
| • Nano filtration | • Microfiltration |
| • Chemical Correction | |

