DSD Water Roundtable Update
Water Roundtable Charter

Purpose:

• Form stronger links between operators and the water industry
• Provide a platform for open discussion between operators, industry and government

Water Study Project fits this Charter:

• Useful to ascertain tangible water opportunities for the water industry
• Has developed a closer working relationship between operators
• Encouraged sharing of resources where possible – for improved efficiencies

Forward Plans:

• Utilise results to deliver improved, innovative water management practices
• Extend involvement in Working Group #3 to the wider water industry
Water Roundtable assessing appetite for a basin wide water model:

- Collate high level water balance information from all Operators
- Ability to identify re-use opportunities
- Collaborate to avoid duplication of infrastructure
Activity Timeline

November 2013 - First meeting of the Water Roundtable
- Santos, Beach and Senex Reps plus DSD, ICN and other regulatory departments
- Proposal: Complete a Cooper Basin Water Supply & Demand model by YE2014

February 2014 - Second meeting of the Water Roundtable
- Santos, Beach and Senex Reps plus DSD, ICN and wider audience of other departments
- Water Study agreed as Target Action for Working Group in 2014

April 2014 – Operator only meeting to discuss water model details
- Addition of Drillsearch representative along with Santos, Beach and Senex
- Agreed general data gathering requirements and operating areas for scoping water study

NOTE: Decision that inclusion of service providers in Roundtable was premature prior to study results
Activity Timeline

May 2014 - Funding Confirmed

- DSD confirmation of funding for water study to commence from 1 July 2014
- CSIRO and Qld DNRM approached and agreed to provide study Peer Review
- Model to be developed by independent consultant and funded direct by DSD
- Request for Study Proposals sent out
  – actively targeted service providers who had registered interest in the roundtable working group

July 2014 – Study Commenced

- Kick off meeting with Golders, DSD and Roundtable Industry Lead
- Data gathering template and model structure review with Golders and Operator Reps

October 2014

- Operator data submitted, model complete and report in review stage
Achievements in 2014

Roundtable Working Group
• Set a precedence that Operators and Regulators can work together to achieve a tangible result
• Has established a network for continued working relations
• Success doesn’t require huge time commitment or a heavy meeting calendar
• DSD willingness to fund projects to the benefit of water efficiency opportunities

Water Supply & Demand Model
• Under final stages of development
• Early results show an overall surplus of water in the industry and provides insight on demands
• Sets a foundation for future improvements in data quality and collaboration initiatives
Water Study

Operational Areas – 5 in South Australia and 2 in SW Qld
Conceptual Representation of Study Components

**Operator:** A  
**Area:** SA - NW  
**Month:** 1

### Supply
- **Potable**
- **Demineralised**

####Priority of use
1. PFW (gas) – Low TDS
2. PFW (oil) – Low TDS
3. Bore – Low TDS
4. Raw – Low TDS

### Demand
- Camp Use
- Process Use

####Drilling and Completions
- Third Party Provision
  - Civils – Drilling, Lease Builds
  - Civils - Road Construction, Maintenance

### Surplus or Deficit
- 
- Cumulative Total – To next Month
Total water extraction for the Cooper-Eromanga Basins

- 6 of the 7 defined Operating Areas have more than one Operator in practice
- Demand for water is currently ~6% of total extraction
- South Australia’s component of 2014 extractions is ~65% of the 60ML/day industry allocation
- By 2016, extractions are expected to grow by 28%, and demand grows to reach ~15%
- The greatest extraction quantities are from PFW (oil)
- The greatest demand now and in 2016 is for drilling & completions, growing by about 4 times
- Area of largest change in excess is North West South Australia
- There are opportunities to improve water use within water quality constraints