

# Oman

**R**esponsibility for Oman's wastewater sector is divided among five entities with each having a different geographic jurisdiction. They are:

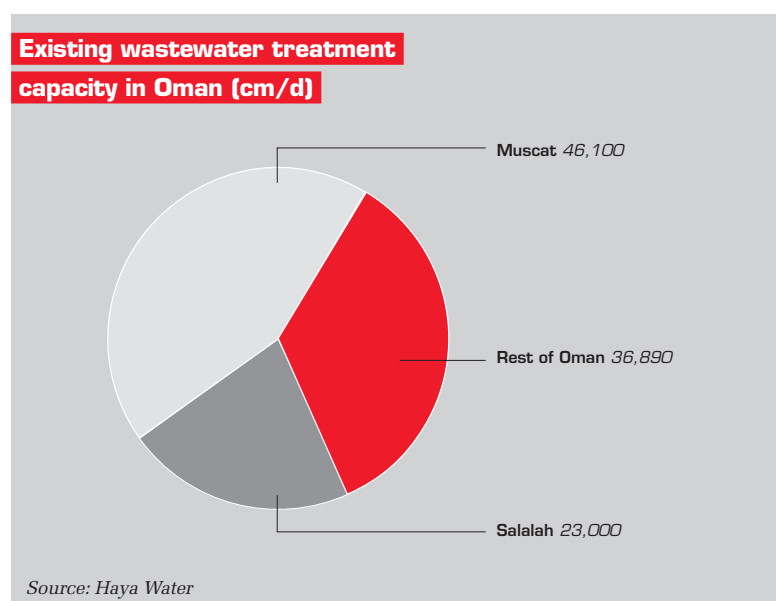
- Haya Water oversees wastewater services in the Muscat governorate, the most populous of the sultanate's regions;
- Salalah Sanitary Drainage Services Company (SSDSC) looks after Salalah city, part of the Dhofar governorate;
- Dhofar Municipality has responsibility for the rest of the Dhofar region;
- Sohar Development Office within Muscat Municipality looks after the Sohar province;
- the Regional Municipalities & Water Resources Ministry has responsibility for the rest of Oman.

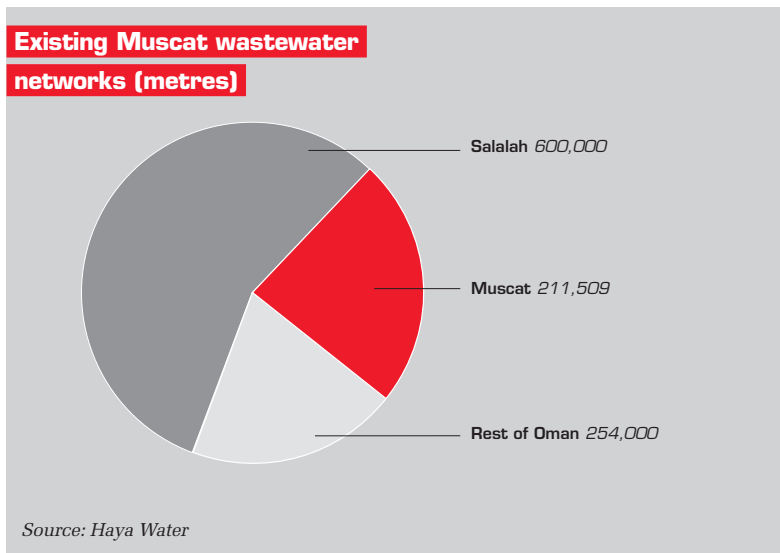
In addition to the wastewater treatment plants and networks owned and operated by the five public entities, hundreds of smaller plants are also owned by the private sector.

As of 2008, the sultanate had 105,990 cm/d of wastewater treatment capacity and a 1,066-kilometre-long network of wastewater collection and TSE distribution pipelines. Almost 40 per cent of its treatment capacity and 20 per cent of wastewater networks is concentrated in the Muscat governorate. However, the overall network coverage is low, at about 15 per cent. An estimated 230,000 cm/d of new capacity is forecast to be built by 2015.

## Muscat

Haya Water, formerly known as Oman Wastewater Services Company (OWSC), was incorporated as a joint stock company with an initial share capital





of RO20m (\$52.1m) in December 2002. It was set up by the government after negotiations with a private consortium, made up of the UK's Cascal and the local Galfar Engineering, to build a wastewater network in the capital collapsed. Haya has the mandate to build, own and operate the Muscat wastewater project under a 30-year concession, which started on 1 January 2006. Although state-owned, the government may well look to sell down some of its stake to the private sector over the medium term.

OWSC was rebranded as Haya Water in October 2008 and remains headquartered in Al-Khuwair. It oversees wastewater

→ **“Haya Water has six major wastewater treatment plants under construction or planned”**

**Existing Muscat wastewater treatment plants**

	Design capacity (cm/d)	Process type
<b>Darsait</b>	20,000	Activated sludge
<b>Jibroo</b>	150	Activated sludge
<b>Al-Aynt</b>	150	Activated sludge
<b>Ansab</b>	18,000	Activated sludge
<b>Sarooj</b>	3,000	Activated sludge
<b>Madinat Sultan Qaboos</b>	1,100	Activated sludge
<b>Bausher</b>	180	Activated sludge
<b>Al-Khoud</b>	1,200	Activated sludge
<b>Mabella</b>	1,100	Activated sludge
<b>Manuma</b>	120	Activated sludge
<b>Al-Amerat</b>	800	Activated sludge
<b>Quriyat</b>	300	Moving bed bioreactors
<b>Total</b>	46,100	

Source: Haya Water

collection, treatment and treated effluent distribution across the governorate's six provinces – Mutrah, Bausher, Seeb, Al-Amerat, Quriyat and Muscat.

The Muscat wastewater project is estimated to cost \$4bn, with the estimated value of planned works up to 2017 estimated at \$2.3bn. The project aims to connect 80 per cent of the population of the Muscat governorate to the wastewater

**Wastewater treatment plants nearing completion, January 2009**

	Design capacity (cm/d)	Process type
<b>Ansab</b>	55,000	Membrane bioreactors
<b>Sarooj</b>	7,500	Membrane bioreactors
<b>Madinat Sultan Qaboos</b>	2,500	Membrane bioreactors
<b>Total</b>	65,000	

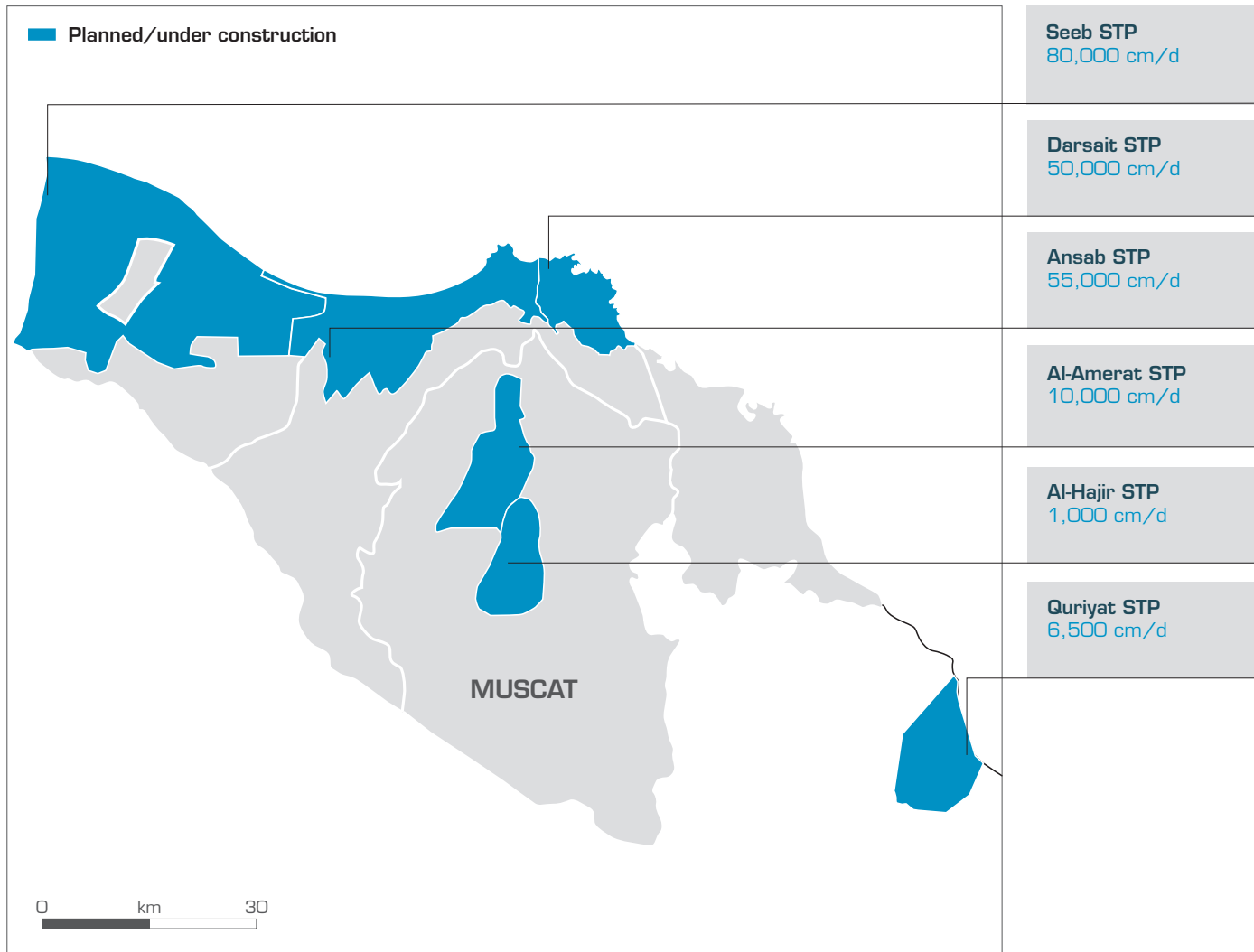
Source: Haya Water

network by 2014 and 90 per cent by 2025. Due to the local topography, the rest of the governorate is inaccessible by networks. As of early 2009, only 14 per cent of the Muscat governorate was connected to the wastewater collection network. The remaining area is served by septic tanks.

The size of the concession area under Haya Water's remit is 3,900 sq km and includes six major wastewater treatment plants under construction or planned in the Ansab, Seeb, Darsait, Al-Amerat, Al-Hajir and Quriyat catchment areas.

The company currently operates 12 treatment plants, which process 50,000 cm/d of wastewater from nearly 80,000 residents. Designed to treat 46,100 cm/d, the plants are operating at 8.5 per cent above capacity.

**STPs planned under the Muscat wastewater scheme**



Source: Haya