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Water Division
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Dear [REDACTED]

I write regarding South Australia's obligations under Schedule 1 of the Implementation Plan for Augmentation of the Adelaide Desalination Plant (the Agreement).

In 2017-18, a further 4.4 GL of water was delivered by the Adelaide Desalination Plant for use in the metropolitan Adelaide water supply. This brings the total to 140.56 GL since commencement of plant operations up to 30 June 2018.

The water that was not diverted from the River Murray has supplemented the State's environmental watering activities, particularly in the Lower Lakes, Coorong and at the Murray Mouth. On this basis, the State requests that 4.4 GL is recognised as providing an environmental benefit to the Lower Lakes Coorong and Murray Mouth in accordance with the environmental provision requirements under the Agreement.

The following allocations have been accounted for on account SA213146-0-10009:

- 6,556.0 ML - received from 100% allocation against the high reliability class 3a entitlement held by the Minister for Water and the River Murray.
- 0.5 ML – received from 100% allocation against the high reliability class 1 entitlement held by the Minister for Water and the River Murray.
- 4.9 ML received from 100% allocation against the high reliability class 7 entitlement held by the Minister for Water and the River Murray.

In addition, 97.6 ML of allocation from SA118100-1-0009 and 1034.9 ML of allocation from SA1132-2-10009 were used for the environment.

As required under the Agreement, the report below identifies the licences and volumes of allocation accounted for in regards to the high reliability entitlement and environmental allocation, and the outcomes from the use of this water. The use of this environmental water was reported in South Australia's Schedule 12 reporting, as a part of indicators 9.1.2 & 9.1.3.

Yours sincerely

[REDACTED]
[REDACTED]
Director, Water Security, Policy and Planning

13 / 8 / 2019

ADELAIDE DESALINATION PLANT

Report on Environmental Water Allocations, Use and Outcomes (for the year ended 30 June 2018)

Licence	Account	Environmental Allocation (KL)	Carryover of Balance (KL)	Allocation		Environmental Use (KL)		Closing Balance (KL)
				%	KL	Planned	Actual	
High Reliability Water Entitlement ¹	SA213146	SA213146-0-10009	0	100	6,000,000	6,000,000	6,000,000	0
	SA213146		0	100	556,000	556,000	556,000	0
			0	100	500	500	500	0
			0	100	4,999	4,999	4,999	0
Environmental Provision ²	SA118100	SA118100-1-10009	0	various	1,257,300 ²	1,257,300	1,257,300	0
	SA1132	SA1132-2-10009	0	100	97,600	97,600	97,600	0
TOTAL			0	-	8,951,279	8,951,279	8,951,279	0
Water not diverted through use of Adelaide Desalination Plant			0	-	-	-	4,400,000	-

¹ High Reliability Water Entitlement and Environmental Provision have the same meanings as defined in the Implementation Plan for Augmentation of the Adelaide Desalination Plant.

² Water allocations from NSW irrigation districts in the Southern Connected Basin.

In 2017-18 a further 4.4 GL of water was delivered by the Adelaide Desalination Plant for use in the metropolitan Adelaide water supply. This brings the total to 140.56 GL since commencement of the plant in 2011-12.

The water that was not diverted from the River Murray as a consequence of the Adelaide Desalination Plant has supplemented the State's planned environmental watering activities by contributing to the environmental watering requirements of environmental assets, in particular the Lower Lakes, Coorong and Murray Mouth. On this basis, the 4.4 GL provides an environmental benefit to the Lower Lakes Coorong and Murray Mouth in accordance with the environmental provision requirements under the Agreement.

2017-18 Watering Locations Use and Outcomes

Water allocations of 706.22 ML from account SA213146-0-10009 was used at the following sites for the following outcomes:

- Nigra Creek / Schillers Lagoon (612 ML) – maintain flowing habitat and vegetation
- Tolderol wetland (94.22 ML) – waterbird habitat

Water allocations of 1034.88 ML from account SA1332-2-10009 was also used at Tolderol wetland to maintain waterbird habitat.

The remaining water allocations from SA213146-0-10009, all water allocations from account SA118100-1-10009 and water not diverted through use of the Adelaide Desalination Plant contributed to lake level management and barrage releases throughout the year at the Coorong, Lower Lakes and Murray Mouth with outcomes including:

- Continuous fishway and barrage outflows throughout the year providing continuous connectivity between the River and its estuary.
- Significant diadromous fish migration, including winter migration by pouched lampreys, and evidence of recruitment.
- Waterbird outcomes around the Lower Lakes and the Coorong.