

Pine Valleys Water Supply Scheme Operations Manual

Water Plan (Moreton) 2007

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Chapter 1 Preliminary

1 Short title

- (1) This operations manual may be cited as the Pine Valleys Water Supply Scheme Operations Manual.
- (2) Reference in this document to “this manual” means the Pine Valleys Water Supply Scheme Operations Manual.

2 Interpretation of words used in this manual

The dictionary in attachment 1 defines particular words used in this manual.

3 Water supply scheme

The extent of the Pine Valleys Water Supply Scheme is defined in schedule 4 of the Water Plan (Moreton) 2007.

Chapter 2 Operating rules

4 Operating levels for infrastructure

- (1) The minimum operating level for North Pine Dam in the Pine Valleys Water Supply Scheme is EL 12.8 m AHD.
- (2) The licence holder may release water from North Pine Dam if the water level in the dam is above its minimum operating level and the release is necessary to—
 - (a) supply downstream demand; or
 - (b) address water quality or other environmental needs; or
 - (c) comply with a temporary full supply level declared under section 390 of the *Water Supply (Safely and Reliability) Act 2008*.

Chapter 3 Water sharing rules

5 Calculating and setting announced allocations

The licence holder must—

- (a) calculate the announced allocation for each priority group using the water sharing rules for the scheme to take effect on the first day of the water year;
- (b) following the commencement of a water year—
 - (i) recalculate the announced allocation at the beginning of each month;
 - (ii) reset the announced allocation no later than 5 business days following the first day of the month only if the recalculation indicates that the announced allocation would—
 - (A) increase by 5 or more percentage points; or
 - (B) increase to 100 per cent.
- (c) make public details of the announced allocation, including parameters for determining the announced allocation, on the licence holder’s internet site within—
 - (i) 5 business days of setting an announced allocation under subsection (a); or
 - (ii) the first calendar day of every month when resetting the announced allocation under subsection (b).
- (d) not reduce the announced allocation during a water year;
- (e) round the announced allocation to the nearest whole percentage point; and
- (f) not set an announced allocation that is greater than 100 per cent.

6 Announced allocation for high priority water allocations

- (1) The announced allocation for ‘High Priority A’ water allocations in the Pine Valleys Water Supply Scheme must be as follows—
 - (a) 100 per cent when the level of water in storage in North Pine Dam is greater than EL 29.3 m AHD; or
 - (b) when the level of water in storage in North Pine Dam is equal to or less than EL 29.3 m AHD, the announced allocation percentage for high priority water allocations must be calculated using the following formula calculated using the following formula—

$$AA_{HPA} = \left\{ \frac{UV + DIV_{HPA}}{HPAA} \right\} \times 100$$

- (2) The parameters used in the announced allocation formula are defined in table 1.

Table 1 – Announced allocation parameters

Term	Details
AA _{HPA}	Announced allocation high priority A—the percentage of the nominal volume for ‘High Priority A’ water allocations that may be taken for the current water year.

Term	Details
HPAA (ML)	High priority A allocations—the total nominal volume of ‘High Priority A’ water allocations in the Pine Valleys Water Supply Scheme.
UV (ML)	Useable volume—determined by calculating the useable volume of North Pine Dam. $UV = \text{sum (UV storage)}$ $UV \text{ storage} = (CV - MOV)$ $UV \text{ storage} = 0$ if $(CV - MOV)$ is less than 0 Where: UV is the useable volume of each storage. CV is the current volume of the storage. MOV is the minimum operating volume of the storage.
DIV _{HPA} (ML)	The volume of ‘High Priority A’ water taken by ‘High Priority A’ water allocation holders in the current water year up to the time of the assessment of the announced allocation.

7 Taking water under a water allocation

- (1) The total volume of water taken under a water allocation in a water year must not exceed the nominal volume for the water allocation.
- (2) The total volume of water that may be taken under a water allocation in a water year must not exceed the nominal volume of the water allocation multiplied by the announced allocation percentage.

Chapter 4 Seasonal water assignment rules

8 Seasonal water assignments

- (1) The licence holder may approve a seasonal assignment of a volume of water.
- (2) Water supplied under a seasonal water assignment may be used for any purpose.

Attachment 1 Dictionary

Term	Definition
AHD	Australian Height Datum, which references a level or height to a standard base level.
Announced allocation	For a water allocation managed under a resource operations licence, means a number, expressed as a percentage, which is used to determine the maximum volume of water that may be taken in a water year under the authority of a water allocation.
Distribution loss	Water that is 'lost' when delivering water for water allocations via constructed water delivery infrastructure, such as pipelines and open channels, through such processes as evaporation, seepage, pipeline leakage, accidental loss through temporary pipe failure (breaks), loss through pressure relief systems, scouring, pigging. Distribution loss water is not included in, or part of, transmission operation allowance (TOA—as defined in chapter 3, table 1).
EL	Elevation level.
Infrastructure	A dam, weir or other water storage and any associated works for taking or interfering with water in a watercourse, lake or spring.
Megalitre (ML)	One million litres
Minimum operating level	For a dam or weir, is the volume of water within the ponded area of a dam, weir or barrage below which water cannot be released or taken from the infrastructure under normal operating conditions.
Minimum operating volume	The specified minimum volume of water within the ponded area of a dam weir or barrage below which water cannot be released or taken from the infrastructure under normal operating conditions.
Nominal volume	Nominal volume means the volume of water, in megalitres, that represents the share of the water available to be taken by holders of water allocations in a priority group or a water allocation group.
Outlet	Means an arrangement on a dam or weir that allows stored water to be released downstream.
Ponded area	Area of inundation at full supply level of a dam, weir or barrage.
Priority group	A grouping of water allocations for taking supplemented water from a water supply scheme with the same Water Allocation Security Objective.
Release	Water from a dam or weir that passes downstream from the dam or weir either through the dam or weir outlet works or over the dam spillway.
Water use	Refers to actual take of water.