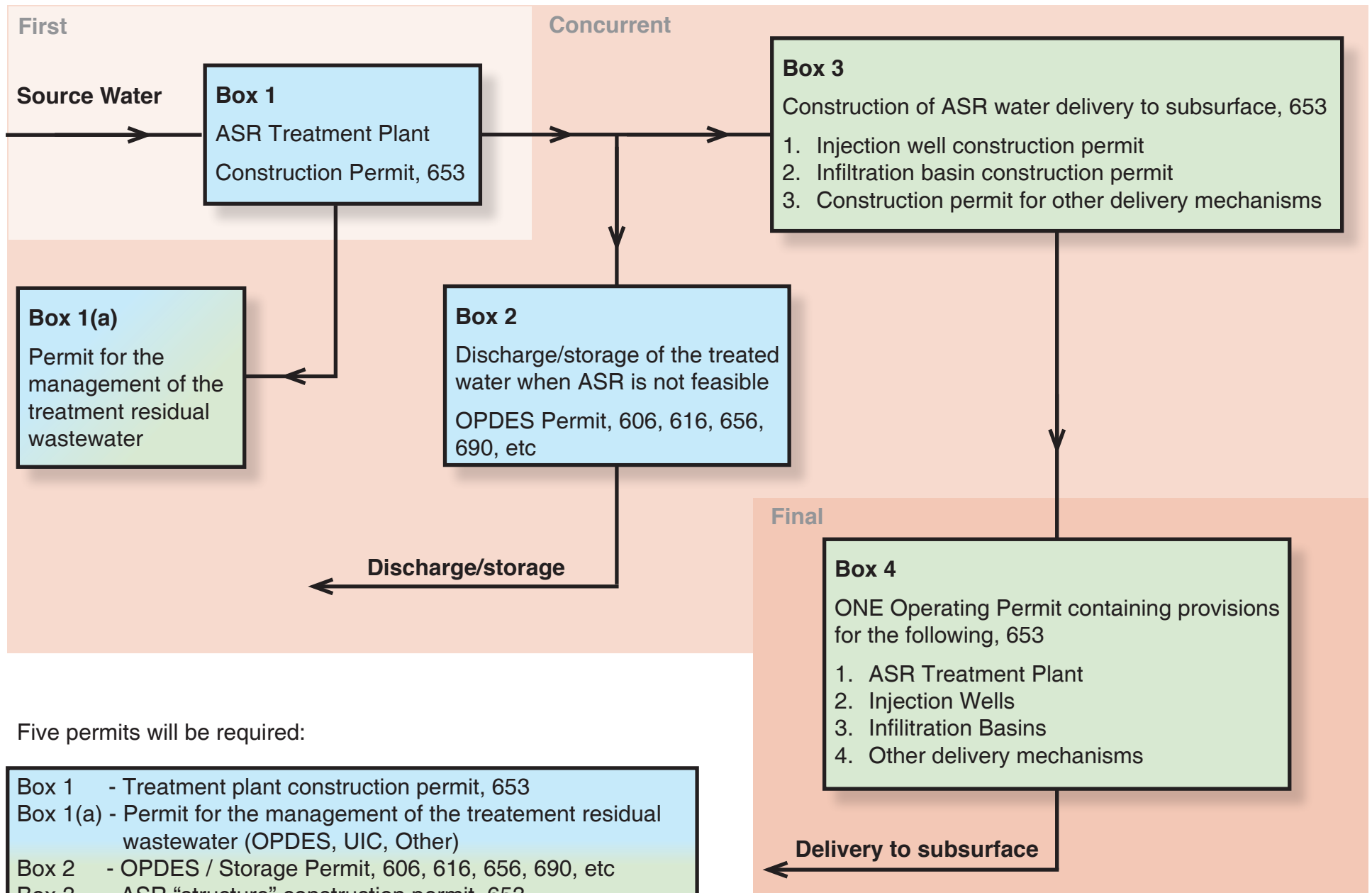


# ASR Permitting Scheme and Flow Chart



Five permits will be required:

- Box 1 - Treatment plant construction permit, 653
- Box 1(a) - Permit for the management of the treatment residual wastewater (OPDES, UIC, Other)
- Box 2 - OPDES / Storage Permit, 606, 616, 656, 690, etc
- Box 3 - ASR "structure" construction permit, 653
- Box 4 - Operating permit for treatment and ASR operations, 653

WQD

UIC

# ASR Process Time Chart

Milestone	Description	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
1	Initial meeting with DEQ	█						
2	Statement of Interest <sup>(1)</sup>	█						
3	Workplan for raw water characterization <sup>(2)</sup>		█					
4	Workplan for aquifer quality characterization <sup>(3)</sup>		█					
5	Communication of treatment goals from UIC to WQD			█				
<b>Box 1 <sup>(4)</sup></b>								
6	Submit engineering report				█			
7	Submittal of treatment plant construction permit application					█		
8	Pilot testing of the ASR treatment plant						█	
<b>Box 1-a <sup>(5)</sup></b>								
9	Permit for management of treatment residuals (follow appropriate permitting process)				█			
<b>Box 2 <sup>(6)</sup></b>								
10	OPDES or storage permit application (follow appropriate permitting process)				█			
<b>Box 3 <sup>(7)</sup></b>								
11	Submittal of construction permit application for ASR water delivery				█			
12	Aquifer modeling and pilot testing					█		
<b>Box 4 <sup>(8)</sup></b>								
13	Submittal of ASR operating permit application							█

New
WQD
UIC

**Notes**

- (1) Statement of interest to DEQ on the scope of the project, source of raw water, possible location, areal extent, anticipated vol, etc.
- (2) Prerequisite to submitting the construction permit applications for the ASR Treatment plant and ASR water delivery to subsurface [Boxes 1 and 3]
- (3) Prerequisite to submitting the construction permit application for ASR water delivery to subsurface [Box 3]
- (4) Box 1 is the construction permit for the ASR Treatment Plant
- (5) Box 1-a is the permit for the management of treatment residuals from the ASR Treatment Plant
- (6) Box 2 is the OPDES or storage permit for when ASR is not feasible
- (7) Box 3 is the construction permit for ASR water delivery to subsurface
- (8) Box 4 is the operating permit for the ASR activities