



BRAMLEY-MOORE HYDRAULIC ACCUMULATION TOWER		
FACE	DEFECT #	DEFECT DESCRIPTION
NW	1	Butt-joint between low-rise retrospectively bonded tower and main core tower, joint visibly open as SE elev, again closing at point of cross-bonding with preload from superstructure of main core tower. Inspection this side limited owing to vantage points.
	2	Weathering of masonry & extensive opening of mortar joints (weathering-related) at corner corbeled piers.
	3	Mass coping stones exhibit minor movement as se elev, perpends visibly open.
	4	Extensive vegetation on roof at top of main core tower indicates failing roof.
	5	Weathering, exposed corroding girders of flat low-rise roof with extensive wallhead penetration, related vegetation and displacement to wall-head masonry.
	6	Skew course at verge exhibits open perpends indicating wallhead penetration.
	7	Coping stones at tower wallhead appear to have been displaced slightly since the April 2016 inspection. Suspected ratchet mechanism whereby vegetative growth is widening the perpends and debris accumulates in crack.
	8	Verge terracotta detailing at wallhead, headers are loosened and several have dropped out. Progressed since the 2016 inspection.
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**Bramley Moore Dock
Hydraulic Accumulation Tower
Visual Condition Appraisal - Update**
Drawing: 75808-CUR-00-XX-DR-S-103
Date Prepared: 15/05/2020





**Bramley Moore Dock
Hydraulic Accumulation Tower
Visual Condition Appraisal - Update**
Drawing: 75808-CUR-00-XX-DR-S-104
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BRAMLEY-MOORE HYDRAULIC ACCUMULATION TOWER		
LOC'N	DEFECT #	DEFECT DESCRIPTION
BOILER HOUSE S / SE ELEV	1	Ground floor level arches exhibit no structural defect of note, good condition, no change in geometry or distress movement in overhead masonry. Main archway into workshop exhibits historic 'bashing' damage to face voussoirs and some mortar weathering / recessed joints over crown. No movement overhead. Toilet entrance arches sound. Exhibit no structural defect of note.
	2	First floor accommodation / office. South facing arched window over engineering brick pier (receiving internal girder) appears to be in sound condition.
	3	Left-hand arch on S/E face exhibits coarse vertical crack through arch up into masonry over, tucked to the right-hand-side of the crown. Crack reduces to hairline width at verge / wallhead.
	4	Right-hand arch on S/E face exhibits good condition, no structural defect of note.
	5	South facing wallhead verge exhibits extensive vegetation on wallhead and failed roof. Several units on wallhead lost, several loose.
	6	South-east facing wallhead masonry units appear sound, although extensive vegetation on wallhead and failed roof jeopardise long-term condition.
	7	Right-hand (east) corner on the south-east face very weathered towards the wallhead and loss of units evident. Left-hand corner of wall bonded to return on surface.
	8	Staircase and pierced parapet structurally sound. External face weathered fabric.