

Rainwater Harvesting:

CISTERNS

GENERAL INSPECTION QUESTIONS



GOOD EXAMPLES

Note: ‘Yes’ indicates a maintenance need and action

General:

1. Is access to the site inadequately maintained for inspection and maintenance?

YES / NO
2. Does this area have trash, debris, grass clippings, etc. present?

YES / NO
3. Do gutters or downspouts have trash, debris, etc. present?

YES / NO
4. Are leaf screens dirty/obstructed or in poor condition?

YES / NO
5. If present, is the first flush diverter not working properly or in poor condition.

YES / NO
6. If present, is the roof washer not working properly or in poor condition?

YES / NO
7. Is the cistern inlet and downspout connection loose (e.g., does not fit tightly)?

YES / NO
8. Is the cistern tank dirty or does it contain sediment?

YES / NO
9. Does the cistern appear to have indication of an algal bloom?

YES / NO
10. If present, are the plants that are being watered from the cistern unhealthy or in poor condition?

YES / NO
11. Are there signs of cracking or leaking with the cistern or connections (e.g., structural issues)?

YES / NO

COMMENTS: _____

Valves and Pumps:

12. If an overflow valve is present, is it leaking, damaged, or showing signs of wear and tear? (e.g. stains, dampness)

YES / NO
13. If a distribution pump is present, is it not working properly and failing testing?

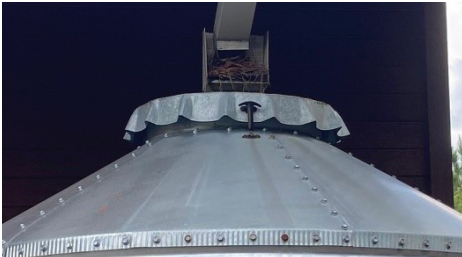
YES / NO

QUALITATIVE INSPECTION QUESTIONS (GOOD/MARGINAL/POOR)

Note: ‘Poor’ indicates a maintenance need and action

14. Rate the presence of sediment build up in the cistern and system.	GOOD (<25% of area)	MARGINAL (25–50%)	POOR (>50%)
15. Rate the presence of debris in the system.	GOOD (<25% of area)	MARGINAL (25–50%)	POOR (>50%)
16. Rate the amount of wear and tear or sun damage to the system’s components.	GOOD (<25% of area)	MARGINAL (25–50%)	POOR (>50%)

EXAMPLES OF POTENTIAL ISSUES:



4 Leaf Screen Debris



3 Gutter Debris



12 Gutters (Structural/Leaking)