

TROUBLE SHOOTING GUIDE D M PLANT

Fault Findings:

Defects	Causes	Remarks
1. Decreasing in capacity between regeneration	1. Increase in raw water ionic load (ensure that instrument used to measure capacity is in order)	Check raw water analysis.
	2. insufficient regeneration chemicals used.	Check the quantity of regenerant chemicals.
	3. Resin is dirty.	Remove resin from the unit, thoroughly clean before replacing. Then regenerate.
	4. Anion resin organically fouled	Conduct cleaning solution wash details as given.
	5. Plant being used Intermittently	Repeat regeneration.
2. Treated Water quality not satisfactory.	6. Unit requires regeneration.	Regenerate unit.
	7. Improper regeneration carried out.	See cause 2 above.
	8. Change in Raw water Analysis.	See cause 1 above. Repeat regeneration but use double the normal acid quantity.
	9. Resin very dirty.	See cause 4 above.
	10. Plant being used intermittently.	See cause 5 above.
	11. Organic Fouling.	See cause 3 above.
3. Soda rinse time increasing	12. Change in raw water analysis.	See cause 8 above.
	13. Improper acid regeneration.	Repeat Cation Regn.
	14. Organic Fouling	See cause 3 above.
4. Injection Time increasing	15. Blockage in pipe line or Ejector.	Disconnect pipeline & Ejector & Flush out.
	16. Pressure Not Sufficient.	Check inlet pressure.
	17. Resins very dirty.	See cause 4 above.
5. Flow Rate reduced	18. Inlet pressure / flow too low.	Disconnect tube & check flow.
	19. Valves not functioning properly.	Remove valves & check diaphragms.
	20. Resin very dirty.	See cause 4 above.
	21. Blockage within pipeline or internals.	Dismantle unit & check internals.

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