



Water Conservation and Reuse

“A Tale of Two Washbays”

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What Water Conservation Means To Me



2003 7 18



1550 gallon Water Collection System



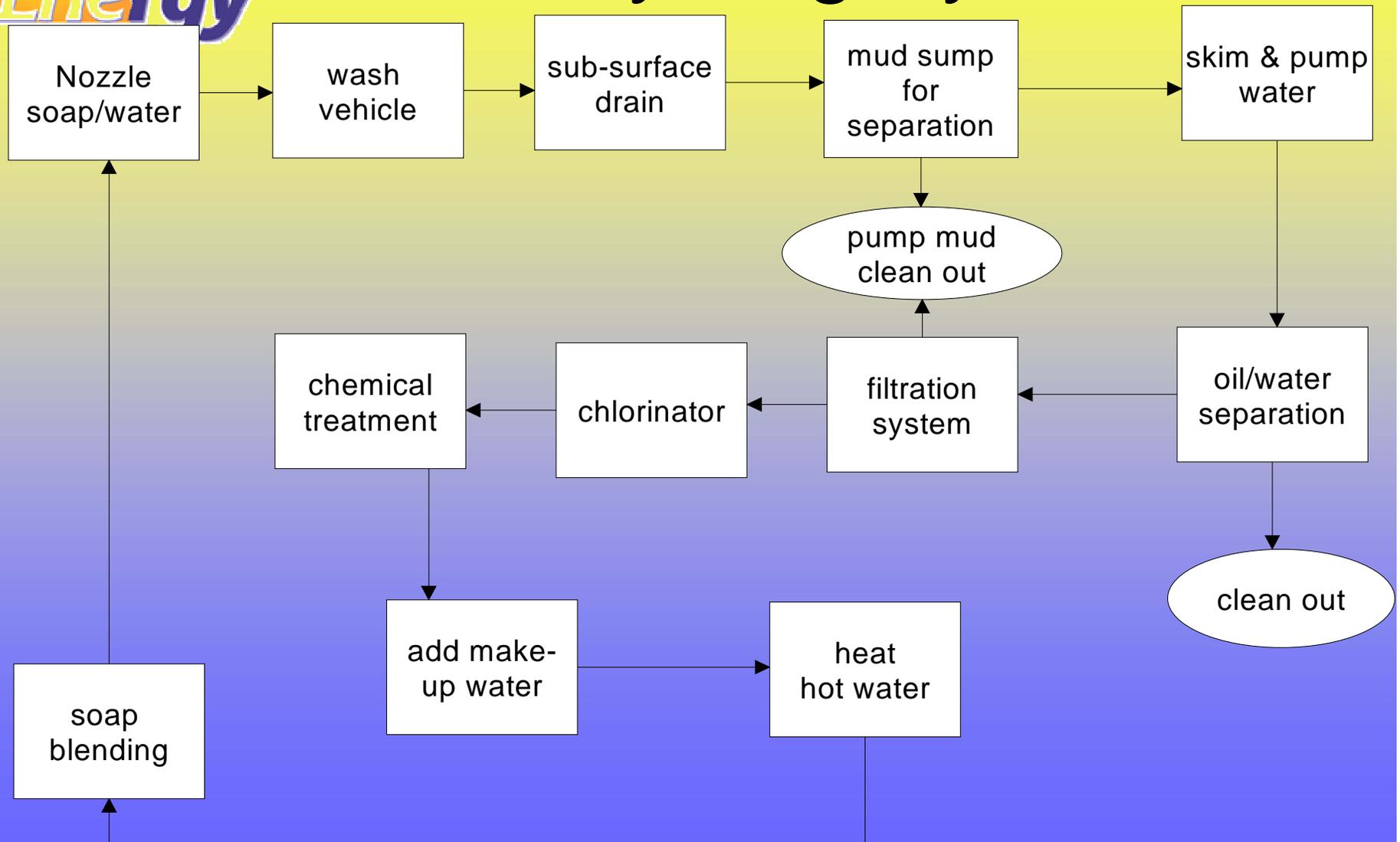


550 gallon Water Collection System





Basic Vehicle Wash Recycling System





San Antonio Vehicle Wash Bay



2003 1 8



San Antonio's Drought Management Plan

- SA's water supply is dependent on the Edwards Aquifer
- Stage levels are based on measured feet above sea level
- During hot summer days the level drops about 1.25 feet per day and fills about 1 foot per inch of rain if rain is located above the recharge zone.

Level 650...

Implement stage 1

Level 640... stage 2

Level 630... stage 3

measured at monitoring well J17



Stage 1 – level = 650 ft.

- No run-off permitted for any type of activity.
- Restaurants only serve water when asked.
- Pools covered at least 25% when not in use.
- Watering/irrigation permitted once per week on designated days, not allowed between 10AM and 8PM.
- No restriction on hand-held hose watering.



Stage 2 – level = 640 ft.

- All Stage 1 restrictions.
- No fountain use, unless treated water is used.
- Hand-held hose watering not permitted between 8 AM and 8PM.
- Once a week irrigation on designated days.



Stage 3 – level = 630 ft.

- All stage 1 and stage 2 restrictions.
- Hand-held hose water only 5 hours per day on designated days.
- Irrigation every other week on a designated day.
- 30% of swimming pool fill water must come from other source not the Edwards Aquifer.
- **Vehicle washing only on designated days; no run-off water permitted.**



Notes:

- Designated days are based on the last digit of address.
- Neighbors turn on neighbors.
- Police cite businesses and home owners; tickets for violations
- SAWS Enforcement team respond to violations and reported violations
- SAWS and Police receive hundreds of calls each day during drought stages.
- No one is above the law.



SA Wash Bay



2003 1 8



SA Wash Bay





SA Wash Bay





El Paso





El Paso Wash Bay





El Paso Wash Bay



15/07/2003



El Paso Wash Bay System



15/07/2003



El Paso Maintenance Cost

- Testing: \$ 16 /quarter
- Pump out holding tank: \$200 /quarter
- Chemicals: \$105/month (shock bacteria) →
\$315 /quarter
- Routine Maintenance: \$200 /quarter
- **Total:** \$731 /quarter



Studies

- Local lab testing and recommendations: \$1800
- USPHS CIH Investigation: \$4500



Summary

