

## Day 1 - Wastewater Troubleshooting Workshop - Lesson Plan 06/14

General Notes:

[RCAC Course No.     ]

- One day session, 6 hour workshop lesson plan.
- Each participant will receive all the presentations, handouts, references, and templates on flash drives for future reference.
- The course utilizes RCAC developed material , group exercises, as well as presentation and lecture

Topics Presented	Handout Section / Video Title & Duration	Time
Sign-in/Registration	Sign – In (30 min)	0800-8:30 a.m.
Welcome	Introductions / Agenda Discussion / Opening Knowledge Exercise <b>David Wallis</b> (30 min)	08:30 a.m.
Data Interpretation and Process Controls	Pre developed table top group exercise will cover interpretation of plant and laboratory data and graphics- followed with group report back and question and answer period. <b>David Wallis</b> (60min)	9:00 a.m.
Regulations and Water Resource Protection	Pre developed table top group decision making exercise covering the selection of permit requirements while protecting water resources- followed with group report back and question and answer period. <b>David Wallis</b> (60min)	10:00 a.m.
Mathematics Review	Pre developed wastewater mathematics problems with calculation review <b>David Wallis</b> (60 min)	11:00 a.m.
Lunch	Lunch on your own (60 min)	12:00 p.m.

**Day 1 – Wastewater Troubleshooting Workshop – Lesson Plan 06/14 (Continued)**

General Notes: [RCAC Course No.     ]

- One day session, 6 hour workshop lesson plan.
- Each participant will receive all the presentations, handouts, references, and templates on flash drives for future reference.
- The course utilizes RCAC developed material , group exercises, as well as presentation and lecture

<b>Topics Presented</b>	<b>Handout Section / Video Title &amp; Duration</b>	<b>Time</b>
Wastewater Jeopardy	Pre developed presentation on typical wastewater certification examination topics <b>David Wallis</b> (30 min)	1:00 p.m.
Happy Valley State Prison	Pre developed table top group exercise to develop necessary inspection steps to identify the reasons for Coliform and BOD violations in a pond system. Followed with group report back and question and answer period. <b>David Wallis</b> (30 min)	1:30 pm
Break	Networking (10 min)	2:00 p.m.
Industrial Discharge to a NPDES Plant	Pre developed table top group exercise to develop necessary actions to an industrial discharge to an NPDES plant. Followed with group report back and question and answer period. <b>David Wallis</b> (50 min)	2:10 p.m.
City of Jopland-SBR	Pre developed table top group exercise to identify an improperly selected sequencing batch reactor treatment plant. Followed with group report back and question and answer period. <b>David Wallis</b> (40 min)	3:00 p.m.
Adjourn		3:40 p.m