Drinking Water Database
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This summer I had the opportunity to work in the Environmental Management

Office (EMO) under the Chemical Sampling and Analysis Team or CS&AT. This team's

mission is to support Glenn Research Center (GRC) and EMO by providing chemical

sampling and analysis services and expert consulting. Services include sampling and

chemical analysis of water, soil, fuels, oils, paint, insulation materials, etc. One of this

team's major projects is the Drinking Water Project. This is a project that is done on

Glenn's water coolers and ten percent of its sink every two years.

For the past two summers an intern had been putting together a database for this

team to record the test they had perform. She had successfully created a database but

hadn't worked out all the quirks. So this summer William Wilder (an intern from

Cleveland State University) and I worked together to perfect her database. We began be

finding out exactly what every member of the team thought about the database and what

they would change if any. After collecting this data we both had to take some courses in

Microsoft Access in order to fix the problems. Next we began looking at what exactly

how the database worked from the outside inward. Then we began trying to change the

database but we quickly found out that this would be virtually impossible.

Which lead to the beginning of our own version of the database. William's strong

background in computers automatically made him the leader in the computer program

aspects of the database, thus leaving me the input aspect of the database. Will would create and design different forms, tables, and reports that were needed for the database. In turn I would input the date into the database. Finally we allowed the analysis to critique the database for operational problems and clarity. We were able to finish a great amount of the database yet there are still some quirks that need to be worked out.