

**REVIEW OF LABORATORY RESULTS FOR THE SOUTH SANGAMON WATER COMMISSION AND  
THE VILLAGE OF CHATHAM, ILLINOIS**

I SERVE AS THE TRAINING SPECIALIST FOR THE ILLINOIS RURAL WATER ASSOCIATION, A NOT-FOR-PROFIT ENTITY, THAT PROVIDES TRAINING AND TECHNICAL ASSISTANCE TO ILLINOIS PUBLIC WATER SUPPLIES THAT SERVE A POPULATION OF 10,000 OR UNDER. MY PRIMARY DUTY IS TO PROVIDE TRAINING AND TECHNICAL SUPPORT TO WATER SYSTEMS FOR THE PURPOSE OF MAINTAINING COMPLIANCE WITH THE SAFE DRINKING WATER ACT.

AT THE REQUEST OF VILLAGE OF CHATHAM, ILLINOIS WATER SUPPLY PERSONNEL, I ATTENDED A MEETING AT THE VILLAGE OF CHATHAM MUNICIPAL BUILDING ON DECEMBER 10, 2014 TO DISCUSS THE PROBLEMS THAT THE CITIZENS OF CHATHAM ARE EXPERIENCING IN THEIR DRINKING WATER. THIS MEETING INCLUDED REPRESENTATIVES FROM THE VILLAGE OF CHATHAM, ILLINOIS, THE SOUTH SANGAMON WATER COMMISSION, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, AND OTHER CONCERNED PARTIES. IT WAS NOTED DURING THE MEETING THAT INFORMATION IS CIRCULATING AMONG A PORTION OF THE POPULATION THAT THE WATER PRODUCED BY THE SOUTH SANGAMON WATER COMMISSION AND PROVIDED TO THE VILLAGE OF CHATHAM, ILLINOIS IS NOT SAFE FOR HUMAN CONSUMPTION.

I HAVE CONDUCTED A REVIEW OF DRINKING WATER LABORATORY RESULTS OBTAINED FROM THE DRINKING WATER WATCH (LOCATED ON THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S WEBSITE AT <http://www.epa.illinois.gov/index> THESE LABORATORY RESULTS ARE BASED ON TESTING THAT WAS PERFORMED, AS REQUIRED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY SAMPLING PROTOCOLS.

ADDITIONAL TEST DATA IS FROM A BATTERY OF ADDITIONAL SAMPLES THAT WERE ANALYZED BY PRAIRIE ANALYTICAL SYSTEMS, INCORPORATED (A PRIVATE CERTIFIED LABORATORY LOCATED AT 1210 CAPITAL AIRPORT DRIVE, SPRINGFIELD, ILLINOIS). THIS TESTING WAS PERFORMED AT THE REQUEST OF THE VILLAGE OF CHATHAM, ILLINOIS ON DECEMBER 8-9, 2014.

**FOLLOWING IS A SUMMARY OF THE TESTING DATA:**

**VILLAGE OF CHATHAM, ILLINOIS PUBLIC WATER SUPPLY  
BACTERIOLOGICAL SAMPLES:**

(EVERY PUBLIC WATER SUPPLY IS REQUIRED TO COLLECT AND SUBMIT MONTHLY SAMPLES TO A STATE-CERTIFIED LABORATORY TO BE ANALYZED FOR COLIFORM BACTERIA.)

I REVIEWED ALL BACTERIOLOGICAL SAMPLES COLLECTED BY THE VILLAGE OF CHATHAM, ILLINOIS PUBLIC WATER SUPPLY FROM **DECEMBER 20, 2012 TO DECEMBER 11, 2014**. ALL 435 OF THE SAMPLES COLLECTED DURING THIS PERIOD SHOWED NO SIGN OF COLIFORM GROWTH AND IS, THEREFORE, DEEMED SAFE FOR HUMAN CONSUMPTION.

A REVIEW OF THE FOLLOWING SHOWED NO EXCEEDANCE OF ALLOWABLE LIMITS:  
FROM THE VILLAGE OF CHATHAM, ILLINOIS 2014 CONSUMER CONFIDENCE REPORT (CCR ON IEPA WEBSITE)

LEAD AND COPPER SAMPLING RESULTS  
DISINFECTANT BY-PRODUCTS (HAA5)  
DISINFECTANT BY-PRODUCTS (TTHM)  
CHLORINE  
CHLORAMINES

ALTHOUGH NOT REQUIRED TO DO SO, THE VILLAGE OF CHATHAM, ILLINOIS COLLECTED SAMPLES ON DECEMBER 12, 2014 TO CHECK ON THE POSSIBILITY OF ANY ASBESTOS FIBERS BEING PRESENT IN THE WATER DISTRIBUTION SYSTEM.

LABORATORY ANALYSIS ON THESE SAMPLES WAS PERFORMED BY PRAIRIE ANALYTICAL LABORATORY. ALL SEVEN (7) OF THE SAMPLES COLLECTED AND ANALYZED SHOWED NO PRESENCE OF ANY ASBESTOS FIBERS.

**SOUTH SANGAMON WATER COMMISSION PUBLIC WATER SUPPLY**  
**2013 DETECTED CONTAMINANTS**

THE SOUTH SANGAMON WATER COMMISSION PUBLIC WATER SUPPLY IS THE PARENT SUPPLY FOR THE VILLAGE OF CHATHAM, ILLINOIS. PER ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REGULATIONS, ALL PARENT SUPPLIES ARE REQUIRED TO INCLUDE DATA IN ITS CCR ON ALL DETECTED CONTAMINANTS FOUND IN THEIR DRINKING WATER. THIS INFORMATION CAN BE FOUND IN THE SOUTH SANGAMON WATER COMMISSION'S CONSUMER CONFIDENCE REPORT (AVAILABLE ON THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WEBSITE).

ALL OF THE FOLLOWING CONTAMINANTS WERE PRESENT IN WATER PRODUCED BY THE SOUTH SANGAMON WATER COMMISSION DURING THE 2013 CCR REPORTING YEAR. IT SHOULD BE NOTED THAT NONE OF THE LABORATORY RESULTS FOR ANY OF THE DETECTED CONTAMINANTS WERE FOUND TO BE EXCEEDING THE MAXIMUM CONTAMINANT LEVEL (MCL) ALLOWED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

DISINFECTION BY-PRODUCTS (HAA5)  
DISINFECTION BY-PRODUCTS (TTHM)  
BARIUM  
FLUORIDE  
MANGANESE  
NITRATE (MEASURED AS NITROGEN)  
SODIUM  
ZINC  
RADIOACTIVE: GROSS ALPHA EXCLUDING RADON AND URANIUM

IN CLOSING, IT WAS OBVIOUS DURING THE DISCUSSION AT THE DECEMBER 10 MEETING THAT MANY CUSTOMERS OF THE VILLAGE OF CHATHAM, ILLINOIS PUBLIC WATER SUPPLY ARE EXPERIENCING AESTHETIC PROBLEMS WITH THEIR PLUMBING FIXTURES AS WELL AS REPORTED TASTE AND ODOR PROBLEMS. REMEDIES TO SOLVE THESE PROBLEMS WERE ALSO DISCUSSED AT THE MEETING. I WILL DEFER TO OTHER SPEAKERS REGARDING THESE OPTIONS.

RESPECTFULLY SUBMITTED THIS 17<sup>TH</sup> DAY OF DECEMBER, 2014.

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