



State of Ohio Environmental Protection Agency

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1PR0005220100722

LOGAN

YOUNG MENS CHRISTIAN ASSOC

REYNOLDS, JOSEP 2010/07/22

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

July 22, 2010

Ms. Anne Brienza, Director
2732 County Road 11
Bellefontaine, Ohio 43311

**RE: YMCA Camp Wilson Reconnaissance Inspection, NPDES Permit No.
1PR00052*CD/OH0046451, Logan County**

Dear Ms. Brienza:

On July 21, 2010 I inspected the waste water treatment system at the YMCA Camp Wilson. This inspection was conducted in follow-up to an Ohio Department of Health report of some campers becoming ill.

The inspection report is attached for your review. There are three items that require a response. Please provide a response to these items by no later than August 9, 2010.

If you have any questions regarding the report, please feel free to call me at (937) 285 - 6097.

Sincerely,

Joseph Reynolds
Division of Surface Water

cc: Logan County Health Department
John Dickerson, YMCA Camp Wilson



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State of Ohio Environmental Protection Agency
Southwest District Office

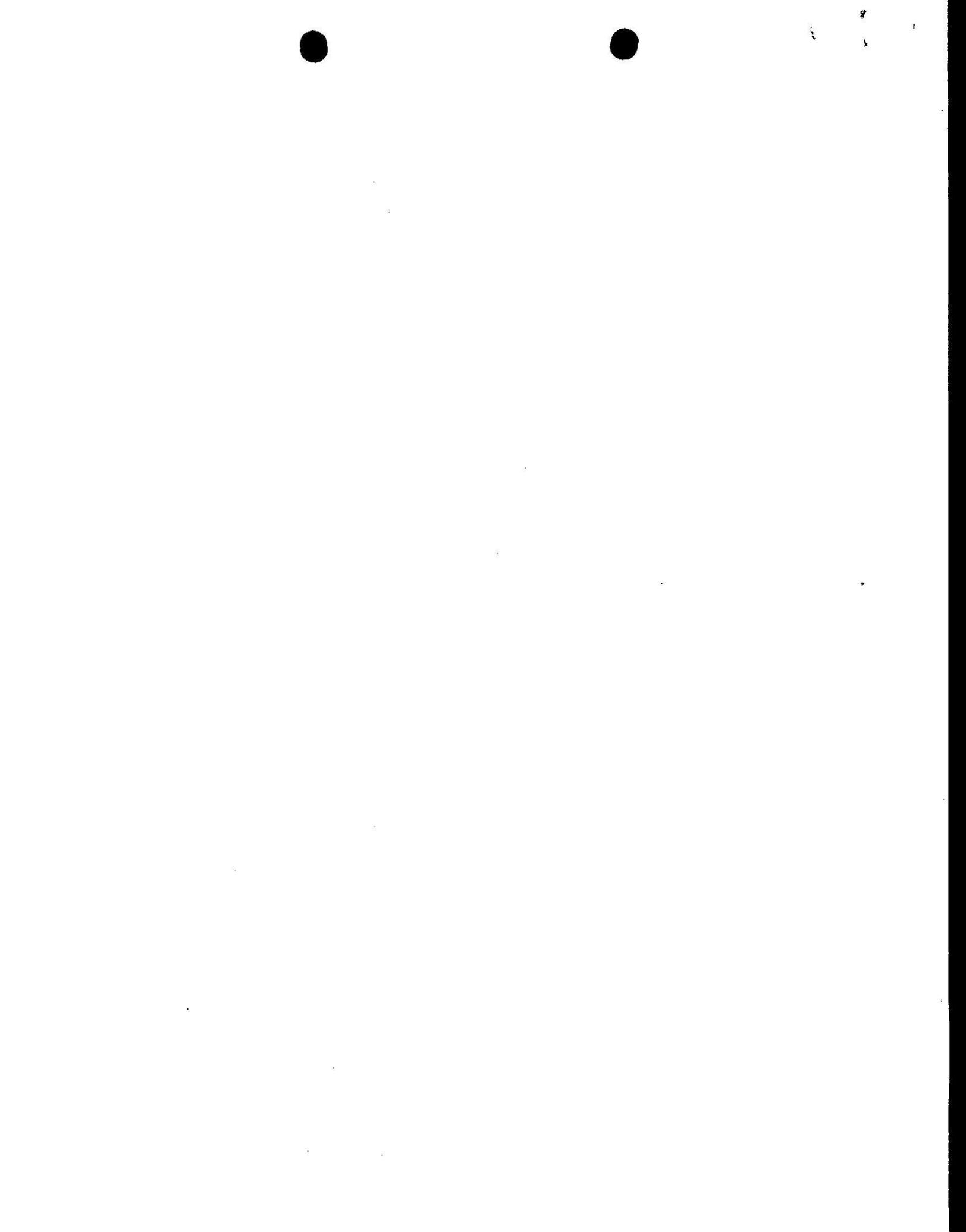
NPDES Compliance Inspection Report

| Section A: National Data System Coding | | | | | |
|--|-----------|----------------|-----------------|-----------|---------------|
| Permit # | NPDES# | Month/Day/Year | Inspection Type | Inspector | Facility Type |
| 1PR00052*CD | OH0046451 | 7/21/2010 | R | S | 2 |

| Section B: Facility Data | | |
|--|------------------|------------------------|
| Name and Location of Facility Inspected | Entry Time | Permit Effective Date |
| YMCA Camp Wilson 2732 County Road 11 Bellefontaine, Ohio | 12:00PM | 10/1/2005 |
| | Exit Time | Permit Expiration Date |
| | 1:00PM | 9/30/2010 |
| Name(s) and Title(s) of On-Site Representatives | Phone Number(s) | |
| John Dickerson, Operator in Training (Class I) | (937) 593 - 9001 | |
| Name, Address and Title of Responsible Official | Phone Number | |
| Anne Brienza, Director 2732 County Road 11 Bellefontaine, Ohio 43311 | (937) 593 - 9001 | |

| Section C: Areas Evaluated During Inspection | | | | | |
|---|--------------------------|---|---------------------------|---|-------------------------|
| (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated) | | | | | |
| S | Permit | S | Flow Measurement | N | Pretreatment |
| S | Records/Reports | N | Laboratory | N | Compliance Schedule |
| U | Operations & Maintenance | S | Effluent/Receiving Waters | S | Self-Monitoring Program |
| S | Facility Site Review | M | Sludge Storage/Disposal | N | Other |
| N | Collection System | | | | |

| Section D: Summary of Findings (Attach additional sheets if necessary) | |
|--|--|
| See attached report. | |
| Inspector | Reviewer |
| <i>Joe Reynolds</i> 7/22/10 | |
| Joe Reynolds Division of Surface Water Southwest District Office | Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office |
| Date | Date |



Inspection Findings

An inspection of the YMCA Camp Wilson waste water treatment plant was performed on Wednesday July 21, 2010 in follow-up to an Ohio Department of Health report of illness involving several of the camp guests. John Dickerson, Class I Operator represented the camp during the inspection.

The YMCA Camp Wilson waste water system consist of a trash trap, flow equalization, extended aeration, clarification, tertiary sand filters, chlorination / dechlorination / post aeration, and sludge holding.

At the time of the inspection the flow equalization tank was not working. The tank was full. The effluent pumps would turn on briefly then shut off. The tank was being mixed. A separate blower is used to mix the tank. There were slight anaerobic odors, reportedly associated with an anaerobic influent flow, noted by the tank.

The aeration system was being mixed uniformly. The mixed liquor was a dark brown. Minor clear foam was forming. The return was dark brown. One blower is being used to provide air to this system. A faint septic odor was noted at the head of the plant.

The clarifier had clumps of solids on the surface. Some pin floc solids were rising in the tank. The sludge blanket was within two feet of the surface. The effluent was clear. Solids were noted behind the weir and in the effluent trough.

The sludge holding tank was full. Solids need to be wasted from the treatment plant and hauled to another treatment facility.

From the clarifier flow enters the tertiary sand filters dosing tank. The dosing tank, sand filters, chlorination / dechlorination / post aeration systems are located in a separate place, closer to Silver Lake. Clarifier effluent flows by gravity to this part of the treatment system.

The sand filter dosing tank has two pumps. An elapsed time meter is used to estimate flows based upon pump run times.

Inspection Findings (cont.)

The plant has two tertiary filters. Both filters were over grown with weeds. There were solids in both filters. The filter on line has 2" of water in it. Waste water was leaking from a joint on the filter furthest from the lake.

Both the chlorination and dechlorination systems are tablet systems. Tablets were present in both systems.

The final effluent to Silver Lake was clear. No foam, solids, or sewage fungus was noted at the final outfall.

A review of Electronic Discharge Monitoring Date from January 1, 2009 – through June, 2010 identified one final effluent CBOD5 violation.

Items Requiring a Response

1. The flow equalization electrical control system needs to be repaired in order to allow the system to work properly.
2. Solids need to be removed from the system in order to control solids carry over to the tertiary system.
3. Weeds located in both tertiary sand filters need to be removed (weed killers should not be used). Additionally, all solids that have carried over from the secondary system need to be removed. Filter wall leaks need to be repaired.

YMCA Camp Wilson 7/21/10
Sand filters



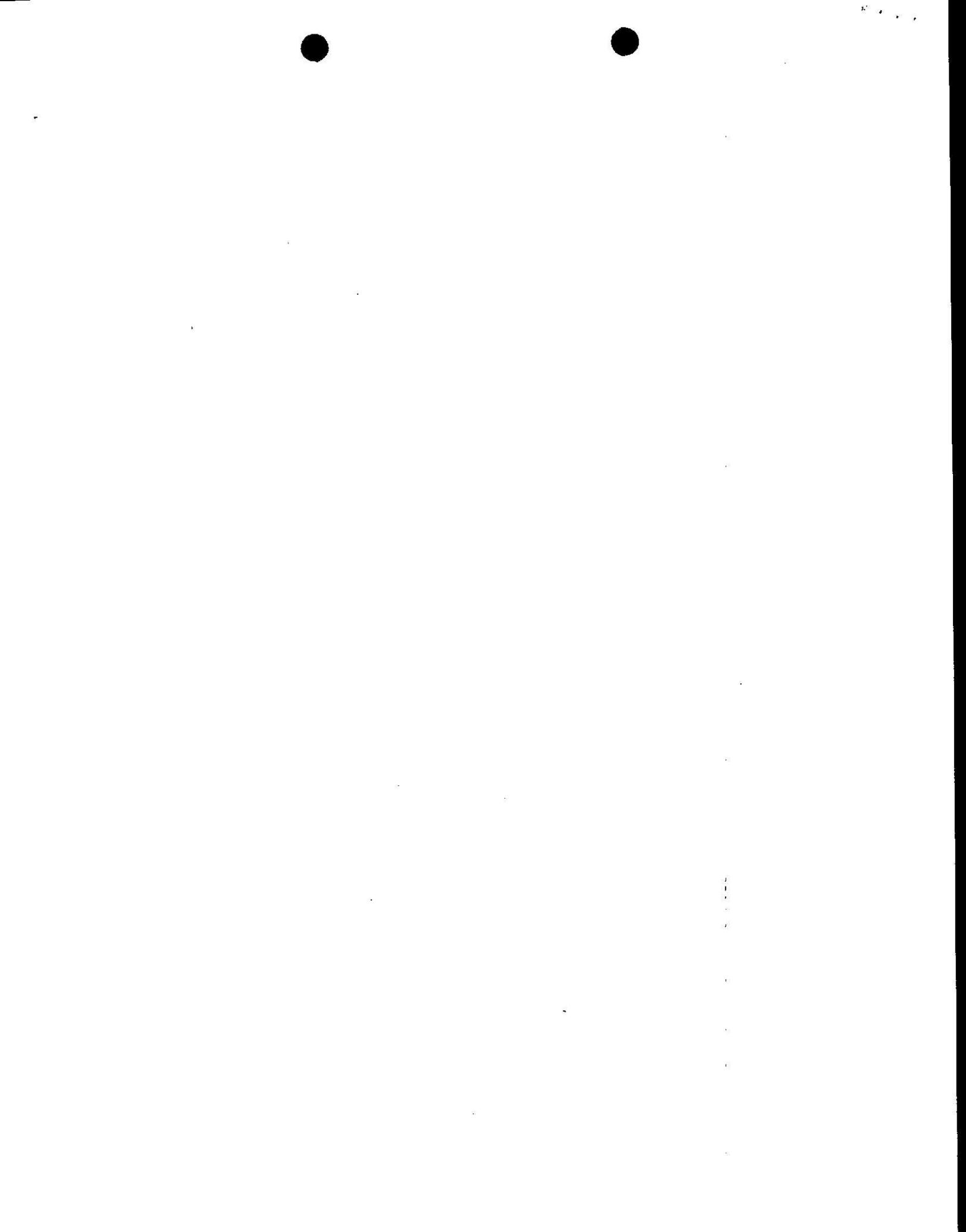
YMCA Camp Wilson 7/21/10
Chlorine contact



YMCA Camp Wilson 7/21/10
Final effluent



YMCA Camp Wilson 7/21/10
Sand filters



YMCA Camp Wilson 7/21/10
Swimming beach



YMCA Camp Wilson 7/21/10
final clarifier

