

GIBSON ROAD AREA
CANFIELD TOWNSHIP
HOUSEHOLD SEWAGE TREATMENT ASSESSMENT

MARCH 27, 2001

Submitted by:

District Board of Health, Mahoning County
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BACKGROUND

Mahoning County currently has approximately 16,000 Home Sewage Treatment Systems (HSTS) in operation. Approximately 3,000 of these systems are considered off-lot systems due to the discharge of effluent to roadside ditches and waterways. The off-lot HSTS requires regular maintenance to ensure proper effluent treatment. The effluent from malfunctioning off-lot systems can significantly degrade surface water quality and potentially create a public health nuisance.

The Gibson Road area in Canfield Township is an area of concern for improperly treated off-lot discharge. The connection of the area homes to a sanitary sewer has become possible. As a result, the Mahoning County Sanitary Engineer commissioned this study and inventory of the status of the area's septic systems.

METHODOLOGY

The project area as identified by the Mahoning County Sanitary Engineer was defined using an overlay of the county street map on the USGS Canfield quadrangle (**Figure 1.0**). With the study area defined, a field survey was conducted to determine the address limits of the area. The addresses within the study boundaries were then retrieved from the Health District Information System (HDIS) database. HDIS information, including HSTS details, was sorted by street for Gibson Road (**Table 1.0**), Canfield Road (**Table 1.1**), Deer Spring Run (**Table 1.2**), Whispering Meadows (**Table 1.3**) and Revere Run Drive (**Table 1.4**).

METHODOLOGY CONT.

Historical water well sample results, which could indicate the impact of failing HSTS, were also derived from the database. The summary table of these samples collected by the Health District is included in **Table 2.0**.

Site specific off-lot aeration system effluent sampling data was extracted from the HDIS and can be viewed in **Table 3.0**. The data represents point source samples previously collected by the District Board of Health, Mahoning County.

Health District files were searched for sewage complaints filed in the study area since 1990. The sewage complaints were sorted by street and a summary is compiled on **Table 4.0**.

The District Board of Health, Mahoning County collected surface water fecal coliform samples after a review of historical data and topographical water flow. Samples were collected at locations (**Figure 2.0**) that were accessible and representative of the current conditions in the study area. The sampling was conducted in accordance with Ohio EPA Water Quality Standard Guidance 3, "Sampling Methods for Documentation of a Public Health Nuisance under OAC Rule 3745-1-04 (F) + (G)". The filed observations and results of each sample collected were recorded on Ohio EPA Form 1.6.1 provided in the guidance document. **Appendix I** contain the field forms completed during this project.

The samples collected by the District Board of Health, Mahoning County were analyzed by Youngstown State University for fecal coliform. The individual laboratory sample results are included in **Appendix II**. The sample results and averages are summarized on **Table 5.0**.

CONCLUSION

Fecal coliform counts of surface water samples collected during this assessment at the west end of Whispering Meadows exceeded the Ohio Administrative Code 3745-1-04 (F)(1A) public health nuisance threshold of 5,000 counts per 100 ml. Revere Run off-lot discharge sampling revealed 40% of the systems sampled have effluent fecal coliform above 3,000 counts per 100 ml.

The collective information derived from this assessment indicates that nearly all of the surface waters in the study area with the exception of Deer Spring Run, appear to be significantly impacted by inadequately treated residential sewage.

TABLES

Sanitary Sewer Assessment
for Gibson Road
Canfield Township

Table 1.0

| Type of System | Address | Street Name | Date Installed | Owner's Name | Date Pumped | Well |
|---------------------------------------------------|-------------|---------------|----------------|--------------------------------------|----------------|------|
| | | GIBSON | // | RANDY HESS | // | |
| AERATION | 5585 | GIBSON | 4/17/78 | JEROME RUDZIK | // | |
| AERATION | 5819 | GIBSON | 7/1/92 | DONALD BOGAR | 11/23/96 | |
| AERATION | 5885 | GIBSON | 12/6/78 | WILLIAM & CLAAR BARBOUR | 8/22/95 | |
| AERATION | 5927 | GIBSON | 12/6/78 | JOSEPH & ARLENE BIEDA | 8/5/98 | |
| ON-LOT | 5970 | GIBSON | // | STICKEL EVE | 10/26/96 | |
| ON-LOT | 5971 | GIBSON | // | SIGWORTH KENNETH R & C L | 1/15/98 | |
| AERATION | 6005 | GIBSON | 4/6/93 | DAVID BURNETTE | 7/20/00 | |
| ON-LOT | 6010 | GIBSON | // | KUNOVIC LORETTA M | 6/6/95 | |
| ON-LOT | 6054 | GIBSON | // | BEST PAUL & FAIRY | // | |
| ON-LOT | 6104 | GIBSON | // | BROOKS JOYCE E | 12/1/95 | |
| AERATION | 6109 | GIBSON | 8/25/78 | RODNEY LAMBERON | 11/3/98 | |
| ON-LOT | 6130 | GIBSON | // | SEAMAN RICHARD L & E | 10/20/97 | |
| ON-LOT | 6155 | GIBSON | 11/15/79 | LOWELL SEIBERT | 7/30/99 | |
| AERATION | 6174 | GIBSON | // | CECIL R & SL SEAMAN | 10/23/99 | |
| ON-LOT | 6206 | GIBSON | // | ESTOCK VIOLA ETAL | 10/18/99 | |
| AERATION | 6211 | GIBSON | 3/30/81 | CATHY GAGLIARDI | // | |
| ON-LOT | 6256 | GIBSON | // | PUSKAR J P & JURINA M L | // | |
| AERATION | 6275 | GIBSON | 9/14/75 | RICHARD BOWDEN | 8/23/00 | |
| ON-LOT | 6292 | GIBSON | 5/30/95 | SCOTT TEWELL | 9/2/96 | |
| ON-LOT | 6311 | GIBSON | 10/8/99 | JEFFREY MOLITERNO | // | PWS |
| AERATION | 6343 | GIBSON | // | CARL SHAEFFER | 5/9/99 | |
| ON-LOT | 6368 | GIBSON | // | ROBY CALVIN C SR & | 7/9/96 | |
| AERATION | 6397 | GIBSON | 5/6/76 | JEFFRY PAUL | // | |
| | 6435 | GIBSON | // | CAIAZZA, DONALD | // | |
| ON-LOT | 6492 | GIBSON | // | BUCUREL NICHOLAS & MARY P | 5/3/00 | |
| ON-LOT | 6661 | GIBSON | // | BUCUREL NICHOLAS & MARY P | // | |
| ON-LOT | 6924 | GIBSON | // | DR. JAMES SANSONE | 3/29/99 | |
| | 6925 | GIBSON | // | SANSONE JAMES | // | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| BOLDED ADDRESSES ARE WEST OF OHIO TURNPIKE | | | | | | |

Sanitary Sewer assessment
for Canfield Niles Road
Address's 4294 - 4855

Table 1.1

| Type of System | Address | Street Name | Date Installed | Owner's Name | Date Pumped | Well |
|----------------|---------|----------------|----------------|---------------------------|-------------|------|
| | | | | | | |
| ON-LOT | 4294 | CANFIELD NILES | / / | HAVILAND WAYNE C & A M | / / | |
| ON-LOT | 4325 | CANFIELD NILES | / / | SVENSSON T MAGNUS & | 10/30/99 | |
| ON-LOT | 4355 | CANFIELD NILES | / / | KAMENSKY DOROTHY J TRUSTE | / / | |
| ON-LOT | 4430 | CANFIELD NILES | 11/12/92 | DIANE VOGEL | 4/10/97 | |
| ON-LOT | 4433 | CANFIELD NILES | / / | ALLEN BENNET | 5/1/00 | |
| ON-LOT | 4485 | CANFIELD NILES | / / | ZACCARO MARILYN F | 2/24/00 | |
| ON-LOT | 4505 | CANFIELD NILES | / / | WELCH SCOTT E | 3/3/97 | |
| | 4533 | CANFIELD NILES | / / | | / / | |
| ON-LOT | 4535 | CANFIELD NILES | / / | MARY KRIDER | / / | |
| ON-LOT | 4575 | CANFIELD NILES | 8/17/87 | JAMES & STEPHANIE FRAGLE | 11/30/99 | |
| ON-LOT | 4621 | CANFIELD NILES | / / | BROCKER BARRY J & DARLA | 8/11/00 | |
| ON-LOT | 4691 | CANFIELD NILES | / / | WILKERSON CHARLOTTE A M & | 11/16/94 | |
| ON-LOT | 4715 | CANFIELD NILES | / / | WILKESON WAYNE A & C M | 6/27/00 | |
| AERATION | 4755 | CANFIELD NILES | 7/16/98 | TERRY CROSGY JR. | 7/15/97 | |
| ON-LOT | 4760 | CANFIELD NILES | / / | RENCH JOHN C & PHYLISS J | 5/31/00 | |
| ON-LOT | 4775 | CANFIELD NILES | 2/4/97 | JIM MOORE | / / | |
| ON-LOT | 4820 | CANFIELD NILES | / / | JOHN CHANNELL | 9/24/99 | |
| ON-LOT | 4855 | CANFIELD NILES | 9/30/96 | ANN & JOSEPH BLUMETTI | / / | |

Sanitary Sewer Assessment
For Deer Spring Run

Table 1.2

| Type of System | Address | Street Name | Date Installed | Owner's Name | Date Pumped | Well |
|----------------|---------|-----------------|----------------|----------------------|-------------|------|
| ON-LOT | 5800 | DEER SPRING RUN | / / | STEVE YANEK | / / | PWS |
| ON-LOT | 5870 | DEER SPRING RUN | / / | DAVID GEORGE | / / | |
| ON-LOT | 5940 | DEER SPRING RUN | 6/21/98 | MARK MARUCCI | / / | |
| ON-LOT | 5970 | DEER SPRING RUN | / / | RONALD BILLOCK | / / | |
| ON-LOT | 6010 | DEER SPRING RUN | / / | RON BILLOCK | / / | |
| ON-LOT | 6031 | DEER SPRING RUN | 10/10/97 | FRANK SCIROCCO | / / | |
| ON-LOT | 6040 | DEER SPRING RUN | / / | MARY & THOMAS DRIPPS | / / | |
| ON-LOT | 6070 | DEER SPRING RUN | Permitted | SHERWOOD, RICHARD | / / | PWS |
| ON-LOT | 6071 | DEER SPRING RUN | / / | JEFF JOSEPH | / / | PWS |
| ON-LOT | 6090 | DEER SPRING RUN | 12/8/97 | ANGELA SHARPE | / / | |
| ON-LOT | 6111 | DEER SPRING RUN | Permitted | JOSEPH CONTI | / / | PWS |
| ON-LOT | 6140 | DEER SPRING RUN | Permitted | JOHN BRAZELTON | / / | PWS |

Sanitary Sewer Assessment
For Whispering Meadows

Table 1.3

| Type of System | Address | Street Name | Date Installed | Owner's Name | Date Pumped | Well |
|----------------|---------|--------------------|----------------|--------------------------|-------------|------|
| AERATION | 5820 | WHISPERING MEADOWS | 6/14/96 | CURRENT HOMEOWNER | / / | |
| AERATION | 5821 | WHISPERING MEADOWS | 1/7/97 | CURRENT HOMEOWNER | 6/26/00 | |
| AERATION | 5860 | WHISPERING MEADOWS | 12/22/93 | KEVIN & SHARON VELASQUEZ | / / | |
| AERATION | 5861 | WHISPERING MEADOWS | 10/5/95 | CURRENT HOMEOWNER | / / | |
| AERATION | 5900 | WHISPERING MEADOWS | 4/1/94 | SIMON WAKIN | / / | |
| AERATION | 5901 | WHISPERING MEADOWS | 9/21/95 | SAM & LAURA DYE | / / | |
| AERATION | 5920 | WHISPERING MEADOWS | 2/16/94 | BILL ALEXANDER | 6/10/98 | |
| AERATION | 5921 | WHISPERING MEADOWS | 8/4/94 | THOMAS REEDER | 7/12/99 | |
| AERATION | 5960 | WHISPERING MEADOWS | 5/23/95 | JOHN & MARY SEEMAN | 6/25/98 | |
| AERATION | 5961 | WHISPERING MEADOWS | 5/28/98 | JAMES BENEDICT | / / | |
| AERATION | 6000 | WHISPERING MEADOWS | 6/22/93 | MARINO CONSTRUCTION | 5/20/98 | |
| AERATION | 6001 | WHISPERING MEADOWS | 9/11/98 | MICHAEL TEUTSCH | / / | |
| AERATION | 6020 | WHISPERING MEADOWS | / / | JOHN PESTAS | 5/25/99 | |
| AERATION | 6021 | WHISPERING MEADOWS | 8/22/91 | GREGORY ECKSTEIN | / / | |
| AERATION | 6060 | WHISPERING MEADOWS | 9/2/92 | TIM DANILOV | 4/18/00 | |
| AERATION | 6061 | WHISPERING MEADOWS | 6/23/93 | TIM LELOTSKY | / / | |
| AERATION | 6100 | WHISPERING MEADOWS | 4/19/96 | PHIL MARIOTTI | 6/7/00 | |
| AERATION | 6101 | WHISPERING MEADOWS | 11/10/93 | PAUL GRAFF | / / | |
| AERATION | 6120 | WHISPERING MEADOWS | 1/11/94 | DONNA SEKMAN | 6/7/00 | |
| AERATION | 6121 | WHISPERING MEADOWS | 5/10/91 | DAVID GABRIEL | 7/3/95 | |
| AERATION | 6160 | WHISPERING MEADOWS | 3/31/93 | LORI & JOHN ARFARAS | 10/19/99 | |
| AERATION | 6161 | WHISPERING MEADOWS | 7/10/91 | EUGENE & JOAN BALAS | 9/19/96 | |
| AERATION | 6200 | WHISPERING MEADOWS | 3/20/92 | DON & DONNA KACMAR | / / | |
| AERATION | 6201 | WHISPERING MEADOWS | 8/22/91 | TED CONWAY | 5/20/99 | |
| AERATION | 6221 | WHISPERING MEADOWS | 3/20/92 | MARINO CONSTRUCTION | 6/17/99 | |
| AERATION | 6260 | WHISPERING MEADOWS | 6/10/91 | TERRANCE KALEEL | 8/16/99 | |
| AERATION | 6261 | WHISPERING MEADOWS | 7/10/91 | HOME BUILDERS ASSOC. | 1/2/99 | |
| AERATION | 6300 | WHISPERING MEADOWS | 8/7/91 | LOGANGATE BUILDERS | / / | |
| AERATION | 6301 | WHISPERING MEADOWS | 2/15/96 | DON JEFFCOAT | 4/6/00 | |

Sanitary Sewer Assessment
For Revere Run Drive

Table 1.4

| Type of System | Address | Street Name | Date Installed | Owner's Name | Date Pumped | Well |
|----------------|---------|-------------|----------------|-----------------------|-------------|------|
| AERATION | 5255 | REVERE RUN | 6/9/98 | ADAM CROUCH | / / | PWS |
| ON-LOT | 5630 | REVERE RUN | 6/17/94 | AL BODAMER | 7/18/97 | |
| AERATION | 5270 | REVERE RUN | 12/14/98 | BARRY TANSER | / / | |
| ON-LOT | 5735 | REVERE RUN | 1/3/94 | CHRIS ABRAHAM | / / | |
| AERATION | 5245 | REVERE RUN | 9/23/97 | CURRENT HOMEOWNER | / / | |
| ON-LOT | 5700 | REVERE RUN | 9/6/96 | CURRENT HOMEOWNER | 10/5/00 | PWS |
| ON-LOT | 5595 | REVERE RUN | / / | DANIEL GROMADA | 3/9/00 | |
| ON-LOT | 5395 | REVERE RUN | / / | DON TANKOVICH | / / | |
| ON-LOT | 5575 | REVERE RUN | 7/13/94 | DON WELDON | / / | |
| ON-LOT | 5500 | REVERE RUN | / / | DONALD BOVA | 3/31/00 | |
| ON-LOT | 5665 | REVERE RUN | 9/21/94 | ERIC TANNER | / / | |
| AERATION | 5350 | REVERE RUN | 2/25/97 | FRANK TOTH | / / | |
| ON-LOT | 5390 | REVERE RUN | / / | FREDERICK ESENWEIN | 8/21/99 | |
| ON-LOT | 5570 | REVERE RUN | / / | GENE FEHR | 6/14/00 | PWS |
| ON-LOT | 5685 | REVERE RUN | / / | JACK SMITH | / / | |
| ON-LOT | 5475 | REVERE RUN | 10/21/94 | JEFF & RENEE ERVIN | / / | |
| AERATION | 5265 | REVERE RUN | 8/30/99 | JOE ANGELO | / / | PWS |
| ON-LOT | 5355 | REVERE RUN | 6/10/99 | JOHN MCINTYRE | 6/16/99 | |
| ON-LOT | 5320 | REVERE RUN | 10/17/96 | JOSEPH HAY | 9/4/97 | |
| AERATION | 5260 | REVERE RUN | 9/6/00 | KEN KUHN | / / | PWS |
| ON-LOT | 5295 | REVERE RUN | 7/22/97 | LARRY & CHRIS BECK | / / | |
| ON-LOT | 5750 | REVERE RUN | 8/23/95 | MANCINI | / / | |
| ON-LOT | 5280 | REVERE RUN | 6/3/96 | MARK SCHAEFER | / / | |
| ON-LOT | 5450 | REVERE RUN | 10/23/97 | MIKE PETTOLA | / / | |
| ON-LOT | 5690 | REVERE RUN | / / | RICHARD CALVARUSSO | 4/3/98 | |
| ON-LOT | 5525 | REVERE RUN | 7/25/94 | RICK BALDWIN | 5/8/00 | |
| ON-LOT | 5065 | REVERE RUN | 8/15/94 | RICK LOVE | / / | |
| ON-LOT | 5335 | REVERE RUN | 4/11/96 | RICK VERNAL | 4/5/99 | |
| AERATION | 5415 | REVERE RUN | / / | ROBERT CERIMELE | / / | |
| ON-LOT | 5660 | REVERE RUN | 7/20/99 | ROBERT J. WOLFE | 8/2/99 | |
| ON-LOT | 5580 | REVERE RUN | 8/15/94 | ROBERT WILSON | 4/29/99 | |
| ON-LOT | 5495 | REVERE RUN | 9/23/94 | RONALD METZE | 10/3/98 | |
| ON-LOT | 5555 | REVERE RUN | / / | STANLEY & DONNA SOCHA | 12/11/97 | |
| ON-LOT | 5600 | REVERE RUN | 7/29/94 | SUSAN & JOHN RAGAN | / / | |

Sanitary Sewer Assessment
For Revere Run Drive

Table 1.4

| | | | | | | |
|----------|------|------------|----------|-----------------------|---------|--|
| ON-LOT | 5290 | REVERE RUN | 6/16/95 | THOMAS REED | / / | |
| ON-LOT | 5240 | REVERE RUN | / / | TOM & JULIE KAMENTISA | / / | |
| AERATION | 5370 | REVERE RUN | 12/16/98 | TOM & PAT CICATIELLO | / / | |
| ON-LOT | 5645 | REVERE RUN | 5/18/94 | TOM REED | / / | |
| ON-LOT | 5315 | REVERE RUN | 8/30/95 | TOM REED/RICK VERNAL | / / | |
| ON-LOT | 5305 | REVERE RUN | 7/17/96 | TOM REED/RICK VERNAL | / / | |
| ON-LOT | 5490 | REVERE RUN | 7/12/94 | TONY CAPEZIO | 6/30/97 | |

Gibson Sanitary Sewer
Assessment Water Samples

Table 2.0

| Street | Owner Name | Address | Sample Date | Results | Lab Number |
|-------------|-----------------|------------------|-------------|----------------------|------------|
| Gibson Road | Scott Tewell | 6292 Gibson Road | 7/7/97 | TC/Positive | 462 102 |
| | Scott Tewell | 6292 Gibson Road | 6/12/00 | TC/Negative | 2838 101 |
| | Sophia Seaman | 6174 Gibson Road | 9/15/98 | TC/Positive (E-coli) | 1385 103 |
| | Arelene Bieda | 5927 Gibson Road | 7/20/99 | TC/Negative | 2165 103 |
| | Eve Stickel | 5970 Gibson Road | 9/7/99 | TC/Negative | 2247 102 |
| | Jeff Molliteino | 6311 Gibson Road | 1/30/00 | TC/Negative | 2566 100 |
| | Richard Bowden | 6275 Gibson Road | 6/12/00 | TC/Positive (E-coli) | 2831 103 |
| | Richard Bowden | 6275 Gibson Road | 8/7/00 | TC/Positive (E-coli) | 2981 102 |
| | Richard Bowden | 6275 Gibson Road | 9/5/00 | TC/Negative | 3063 102 |

Gibson Road
Sanitary Sewer Assessment
Off-Lot Aeration Samples

Table 3.0

| Street | Owner Name | Address | Sample Date | Results | | | |
|---------------------|------------|--------------------------|-------------|---------|--------|----------------|------------|
| | | | | BOD | TSS | Fecal Coliform | Lab Number |
| Canfield Niles Road | | 4755 Canfield Niles Road | 3/30/98 | 5.18 | 90.00 | | 1891210 |
| | | 4755 Canfield Niles Road | 4/1/98 | 3.96 | N/D | | 1892210 |
| | | | | | | | |
| Whispering Meadows | | 6001 Whispering Meadows | 7/7/99 | 600.00 | 318.00 | | 2135210 |
| | | 6001 Whispering Meadows | 3/15/01 | >2000 | 28.00 | | 29814 |
| | | 6001 Whispering Meadows | 3/15/01 | | | 3,000 | 28 |
| | | | | | | | |
| | | 5255 Revere Run | 3/15/01 | 396.70 | 37.00 | | 29812 |
| | | 5255 Revere Run | 3/15/01 | | | 16,000 | 33 |
| | | | | | | | |
| | | 5260 Revere Run | 3/15/01 | 37.11 | 16.00 | | 29811 |
| | | 5260 Revere Run | 3/15/01 | | | 3,100 | 31 |
| | | | | | | | |
| | | 5265 Revere Run | 3/15/01 | 30.00 | 23.00 | | 29813 |
| | | 5265 Revere Run | 3/15/01 | | | 100 | 32 |
| | | | | | | | |
| | | 5270 Revere Run | 3/15/01 | 4.09 | 14.00 | | 29810 |
| | | 5270 Revere Run | 3/15/01 | | | 100 | 30 |
| | | | | | | | |
| | | 5370 Revere Run | 3/15/01 | 3.81 | 14.00 | | 29809 |
| | | 5370 Revere Run | 3/15/01 | | | <100 | 27 |

Sanitary Sewer Assessment
Gibson Road Project
Sewage Complaint

Table 4.0

| Complaints for Revere Run | | | |
|-------------------------------------------|---------------|-------------|-----------------------------|
| 1990 to Present | | | |
| Completed | Date Received | Complaint # | Location of Complaint |
| F | 10/9/97 | 5635 | REVERE RUN |
| T | 3/29/96 | 5241 | REVERE RUN |
| T | 4/21/97 | 5484 | 5320 REVERE RUN |
| T | 9/8/95 | 5161 | 5320 REVERE RUN |
| T | 6/13/95 | 5061 | 5690 REVERE RUN |
| Complaints for Canfield Niles Road | | | |
| 1990 to Present | | | |
| Completed | Date Received | Complaint # | Location of Complaint |
| T | 2/24/96 | 5226 | CANFIELD NILES ROAD |
| T | 5/15/97 | 401 | CANFIELD-NILES ROAD |
| T | 6/4/91 | 3948 | S. CANFIELD NILES ROAD |
| T | 4/28/93 | 162 | 3421 CANFIELD-NILES ROAD |
| F | 9/30/99 | 19990045 | 3570 CANFIELD NILES ROAD |
| T | 10/1/98 | 5905 | 3896 S. CANFIELD NILES ROAD |
| Complaints for Gibson Road | | | |
| 1990 to Present | | | |
| Completed | Date Received | Complaint # | Location of Complaint |
| T | 6/2/92 | 4245 | 6005 GIBSON ROAD |
| T | 3/18/91 | 3847 | 6435 GIBSON ROAD |
| F | 9/8/98 | 5887 | 9532 GIBSON ROAD |

**GIBSON ROAD, CANFIELD TOWNSHIP
HOUSEHOLD SEWAGE TREATMENT ASSESSMENT
SURFACE WATER SAMPLE SUMMARY
Table 5.0**

| Sample Location | 2/13/01 Fecal Coliform (parts per 100 ml) | 2/16/01 Fecal Coliform (parts per 100 ml) | Fecal Coliform Average |
|---------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| S-1 Deer Spring Run, West End | <10 | <10 | <10 |
| S-2 Whispering Meadows, West End | 8,900 | 27,000 | 17,950 |
| S-3 Canfield Niles Road, East of Whispering Meadows | 11,400 | 3,000 | 7,200 |
| S-4 Gibson Road, East End | 100 | <10 (5) | 53 |
| S-5 Near 6005 Gibson Road | 4,500 | 32,000 | 18,250 |
| S-6 Gibson Road, West End East of turnpike | 21,000 | 500 | 10,750 |

Samples collected by District Board of Health, Mahoning County

Samples analyzed by Youngstown State University