VA, TUSCALOOSA

AQS ID: 01-125-0004
3701 Loop Road East, Tuscaloosa, Alabama 35404
Tuscaloosa County

Latitude 33.189931
Longitude -87.484189

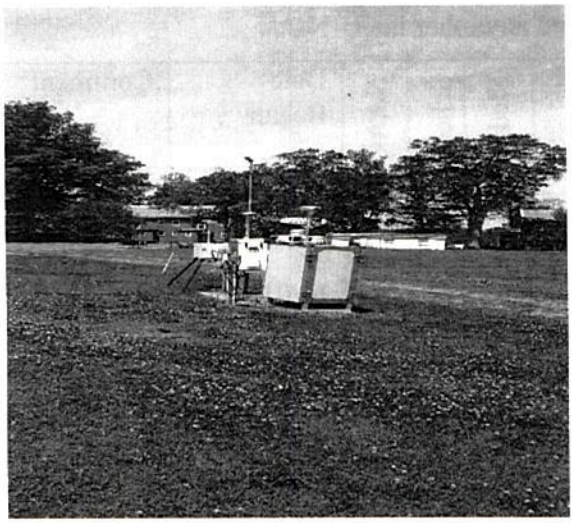
Name and distance of nearest road to inlet probe: Loop Road/530m NW
Nearest major road /AADT/Year/Distance/Direction: Highway 215/22160/2015/920m NE
Type of ground cover around site: Grass

Located within ¼ mile of the site
Electrical substations/high voltage power lines: 0
Railroad tracks: 0
Power poles with transformer: 1 pad-mount Distance: 63m Direction from site: SE
Water towers: 0
No sources of potential bias nearby.

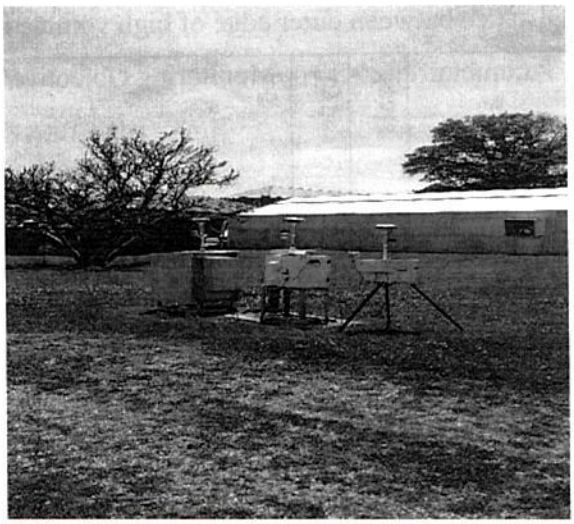
Distance between outer edge of high volume inlet and any other inlet: N/A

Parameter	Scale	Type	Monitoring Objective/CBSA	Method	Schedule	NAAQS	Date Began	Comment
PM2.5	N	S	Population Exposure/ Tuscaloosa MSA	L/ B	3/ C	Y	10/01/2002	Active

Pollutant/ Monitor Name	Probe Material /Rain Shield Material	Probe Inlet Height from ground	Distance of outer edge of probe inlet from vertical or horizontal supporting structure	Distance between entire inlet probes of collocated samplers	Outer edge of probe inlet >1m from other probe inlets (Y or N)	Distance of inlet probe to nearest tree dripline	Height of nearest tree/ Direction from probe to tree
2.5/2025i	N/A	2.1m	N/A	2.1m	Y	15m	10m/S
2.5/BAM collocated 08/01/2009	N/A	2.2m	N/A		Y	17m	10m/S



NORTH



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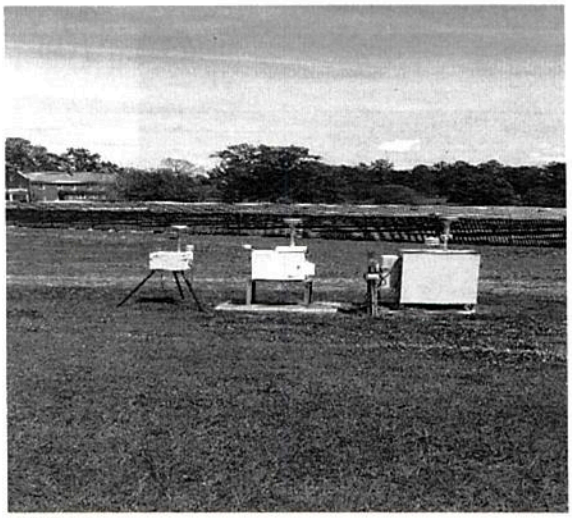
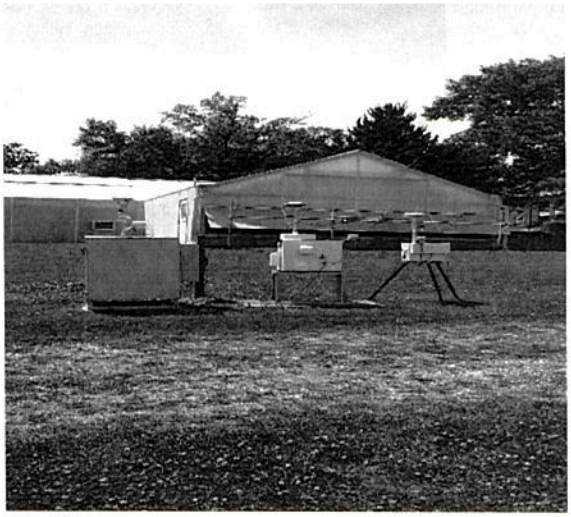


EAST



WEST

Evaluation Date: 04/18/2017

DUNCANVILLE, TUSCALOOSA

AQS ID: 01-125-0010
11690 Southfork Drive, Tuscaloosa, Alabama 35456
Tuscaloosa County

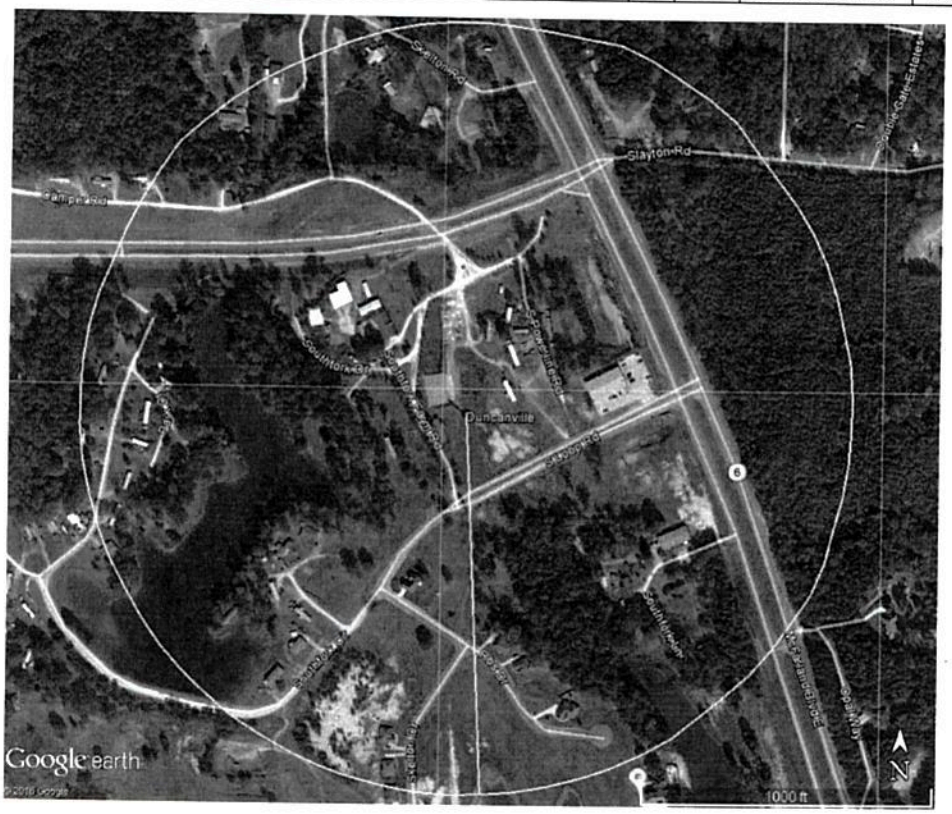
Latitude 33.089772
Longitude -87.459733

Name and distance of nearest road to inlet probe: S Loop Road/78m SE
Nearest major road /AADT/Year/Distance/Direction: Highway 82/8120/2015/205m NE
Type of ground cover around site: Grass

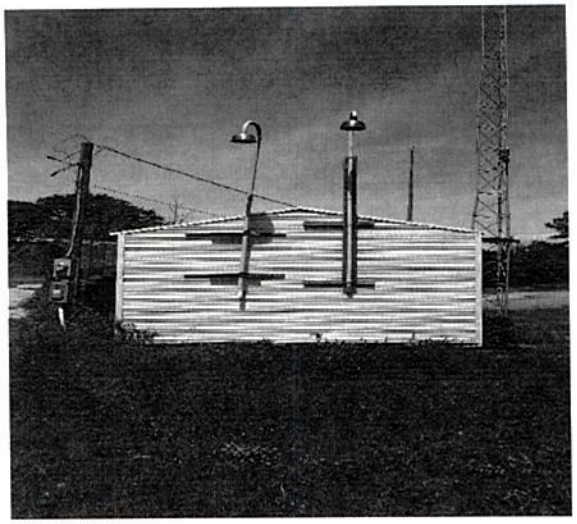
Located within ¼ mile of the site
Electrical substations/high voltage power lines: 0
Railroad tracks: 0
Power poles with transformer: 1 Distance: 14m Direction from site: W
Water towers: 0
No sources of potential bias nearby.

Distance between outer edge of high volume inlet and any other inlet: N/A

Parameter	Scale	Type	Monitoring Objective/CBSA	Method	Schedule	NAAQS	Date Began	Comment
Ozone	U	S	Population Exposure/ Tuscaloosa MSA	UV	C	Y	02/01/2001	Active



Pollutant	Probe Material /Rain Shield Material	Probe Inlet Height from ground	Distance of outer edge of probe inlet from vertical or horizontal supporting structure	Distance between entire inlet probes of collocated samplers	Outer edge of probe inlet >1m from other probe inlets (Y or N)	Distance of inlet probe to nearest tree dripline	Height of nearest tree/ Direction from probe to tree
Ozone	Teflon/ Stainless Steel	4.2m	1.4m	N/A	Y	36m	9m/SW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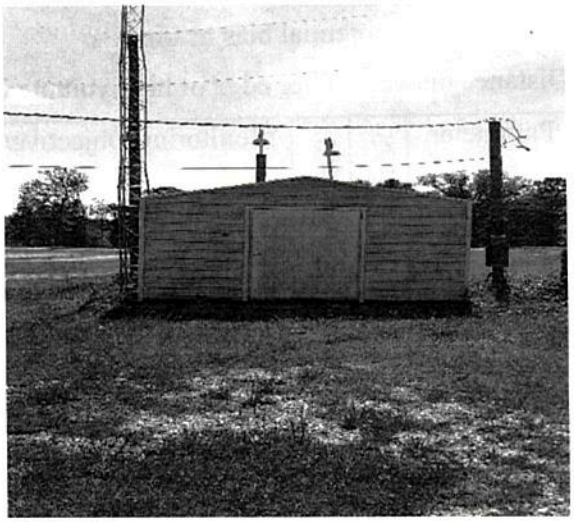
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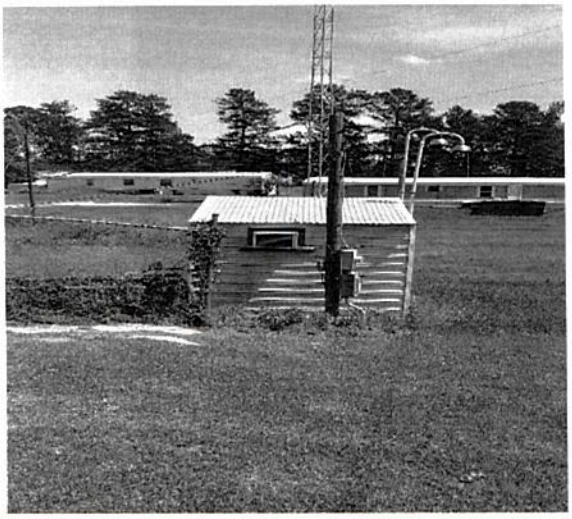
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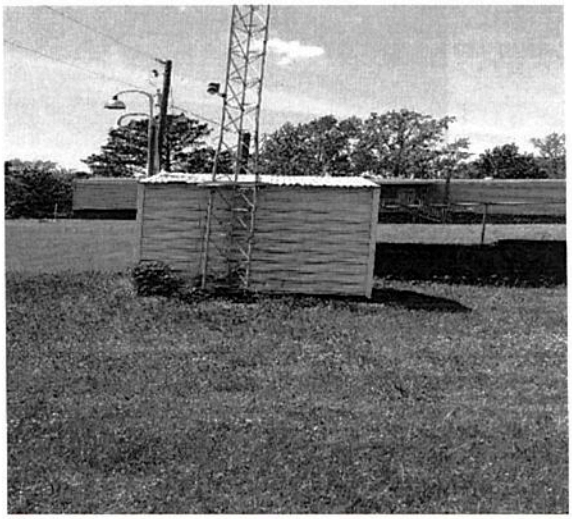

WEST

Evaluation Date: 04/18/2017

JCDH

JCDH AIR MONITORING NETWORK DESCRIPTION

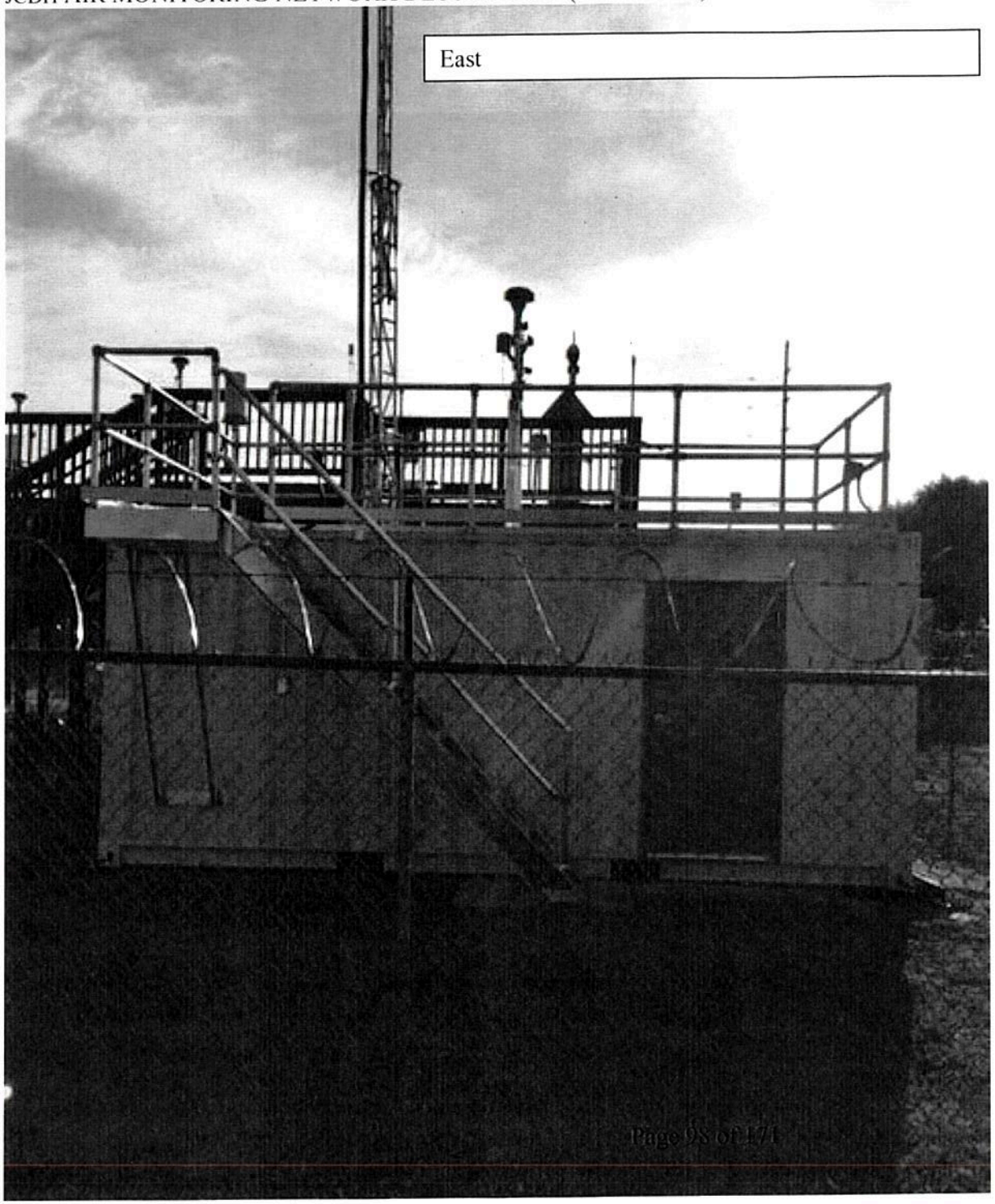
(As of 2016)

Abbreviations	
Scale	
N	Neighborhood (0.5 – 4 Kilometers)
U	Urban (overall citywide conditions, 4 -50 kilometers
R	Regional (usually rural, with homogenous geography, tens to hundreds of kilometers)
MC	Microscale
Type	
CS	Core SLAMS
NCS	NCore SLAMS
S	SLAMS
SPM	Special Purpose Monitor
Operating Schedule	
C	Continuous monitor
D	Daily 24-hour samples
3	1 24-hour sample every 3 days (on national schedule)
6	1 24-hour sample every 6 days (on national schedule)
Methods	
H	Hi-volume SSI sampler
L	Low Volume SSI
T	TEOM continuous monitor
U	UV photometric ozone analyzer
S	Hi-Volume Total Suspended Particulate monitor
G	Lead Analysis by Graphite furnace
P	Pulsed Fluorescent
I	Non Dispersive Infrared
F	Gas Filter Correlation
B	Beta Attenuation
UP	Chemiluminescence- photolytic
NAAQS[1]	
Y,N	Data suitable for comparison to NAAQS

[1] Collocated monitors must be operated in the same manner as the Federal Reference Method; one monitor at the site is designated as the main monitor for comparison to the NAAQS.

North Birmingham/NCore

0.25 mile radius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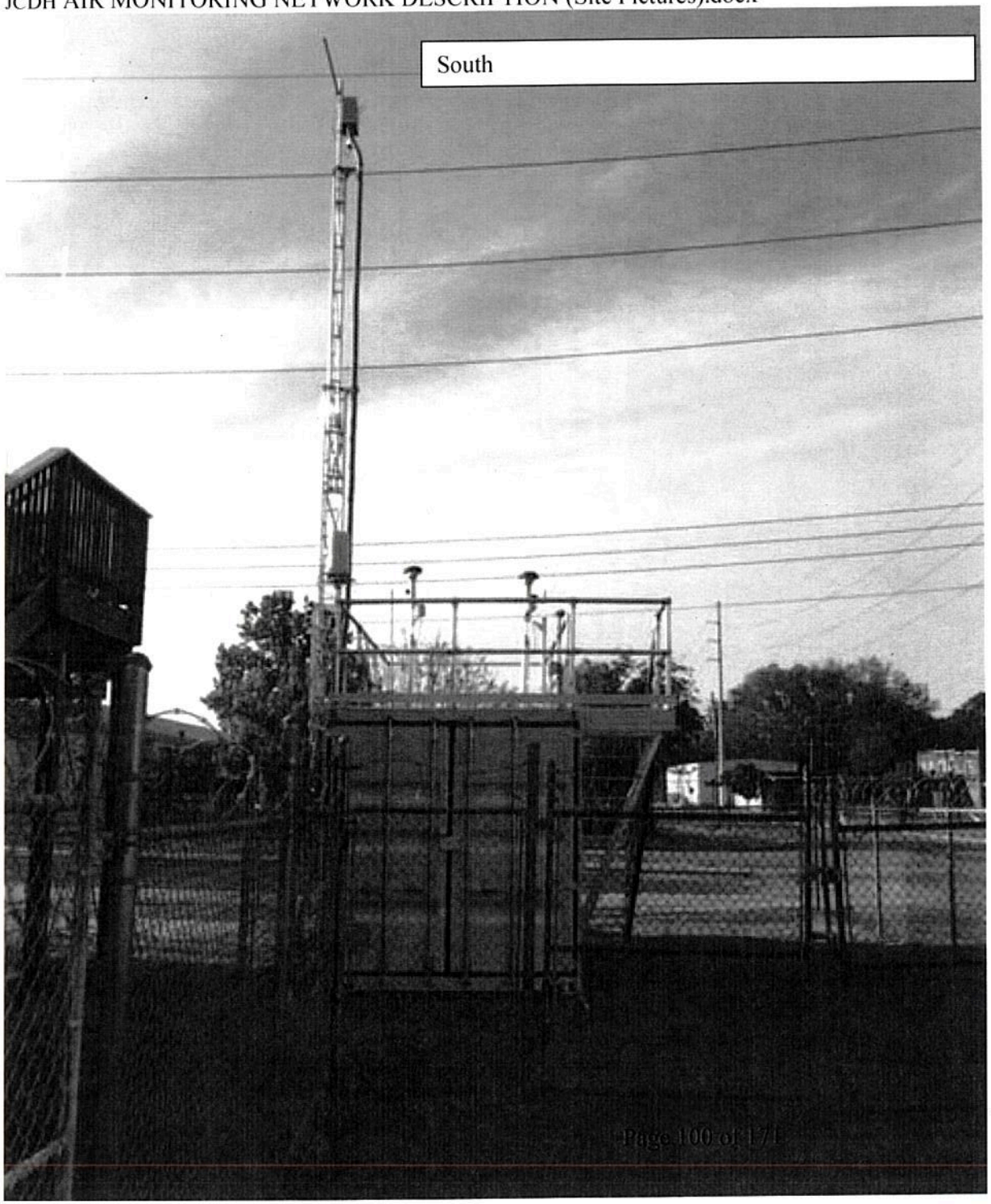
North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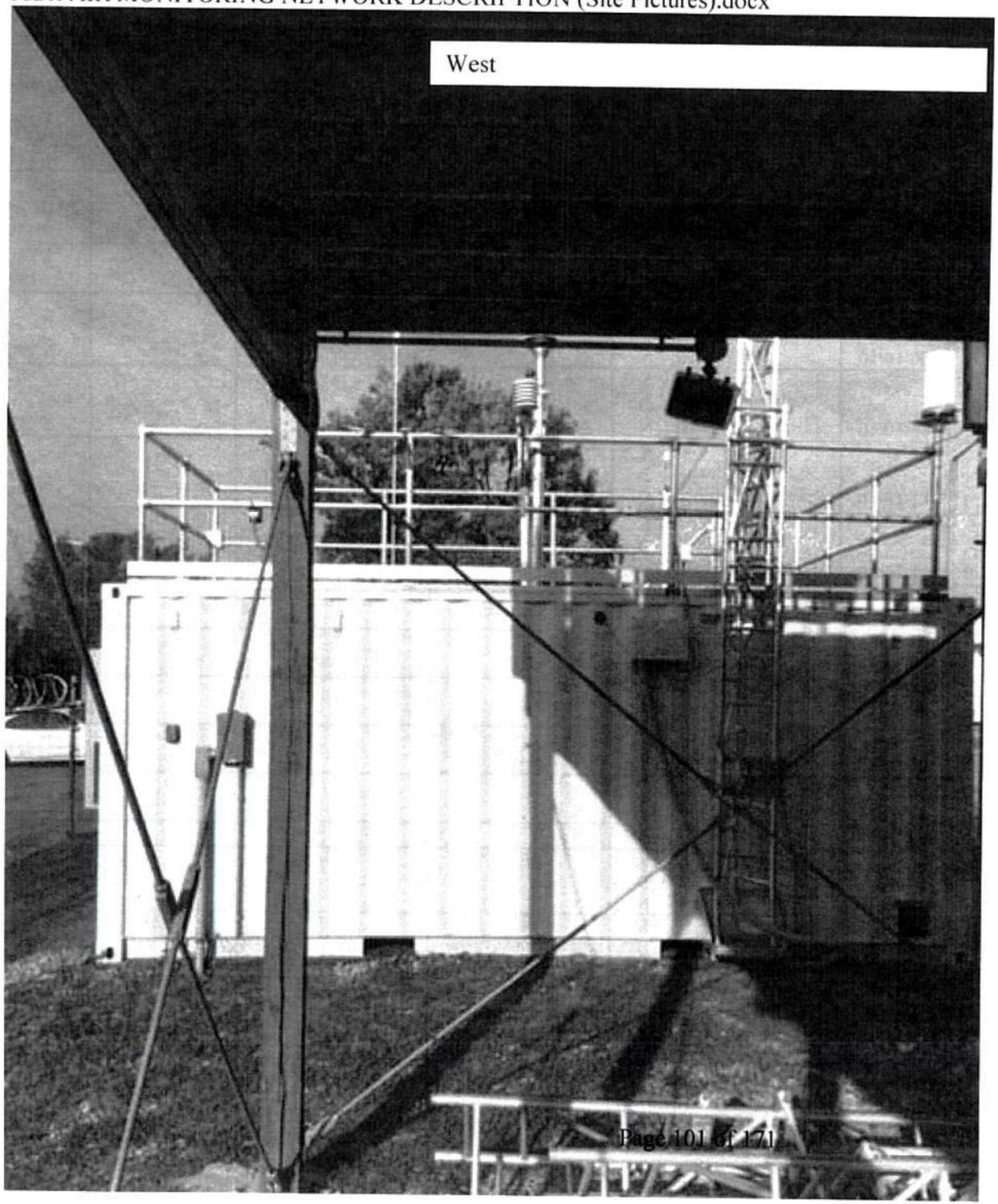

West

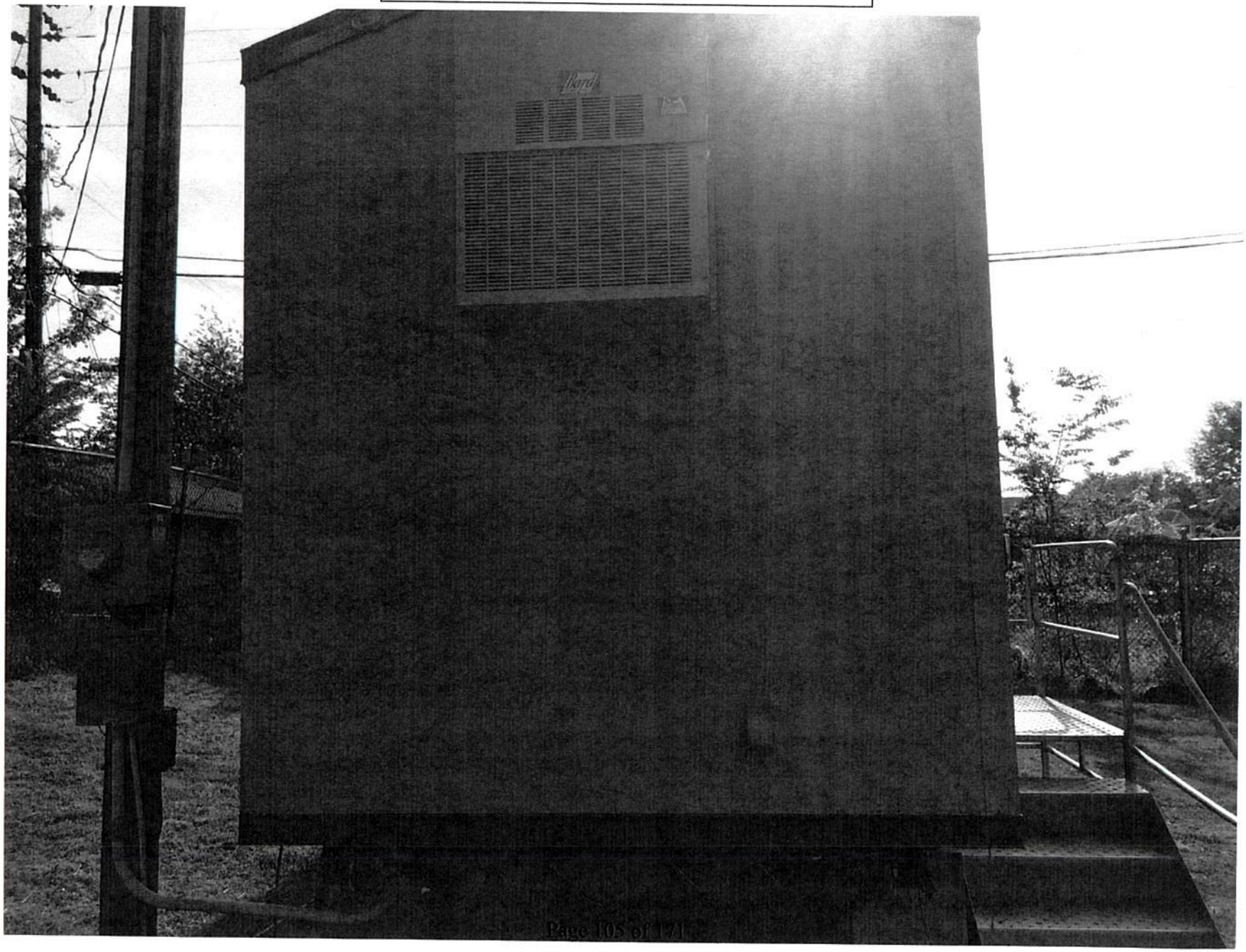
Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-0023	3009 28th St. North	33.553.056 -86.815000	N	NCS	Neighborhood	03/01/00	Active	U	C	Y	*Year Round*
SO2				N	NCS	High Population Exposure	01/01/11	Active	P	C	Y	
CO				N	NCS	Neighborhood	03/01/00	Active	F	C	Y	
NOy				N	NCS	High Population Exposure	01/01/11	Active	UP	C	Y	
NO2				N	NCS	High Population Exposure	01/01/14	Active	UP	C	Y	*Began 01/2014*
Low Vol PM10				N	NCS	High Concentration	01/01/03	Active	L	3	Y	*LC/Lead//STP*
Low Vol PM10				N	NCS	Collocated Sampler	01/01/03	Active	L	6	Y	*LC/Lead//STP*
Cont PM10				N	SPM	High Concentration	02/01/13	Active	B	C	N	*Began 02/2013*
Lead				N	NCS	Neighborhood	01/01/11	6/30/2016	L	3	Y	*Discontinued June 30, 2016*
Lead				N	NCS	Collocated Sampler	01/01/11	6/30/2016	L	6	Y	*Discontinued June 30, 2016*
PM2.5				N	NCS	High Concentration	01/01/99	Active	L	3	Y	
PM2.5				N	NCS	Collocated Sampler	01/01/99	Active	L	6	Y	
Cont PM2.5				N	SPM	High Concentration	02/01/13	Active	B	C	N	*Began 02/2013*
PM10 IMPROVE				N	NCS	High Concentration	04/21/04	Active		3	N	
PM2.5 IMPROVE SPECIATION				N	NCS	High Concentration	04/21/04	Active		3	N	

PM2.5 STN SPECIATION				N	N C S	High Concentration	01/01/01	Active		3	N	*1 in 3 Alternate Schedule*
RadNet				N	N C S	High Concentration	04/19/07	Active		C	N	

Fairfield

0.25 mile radius

East



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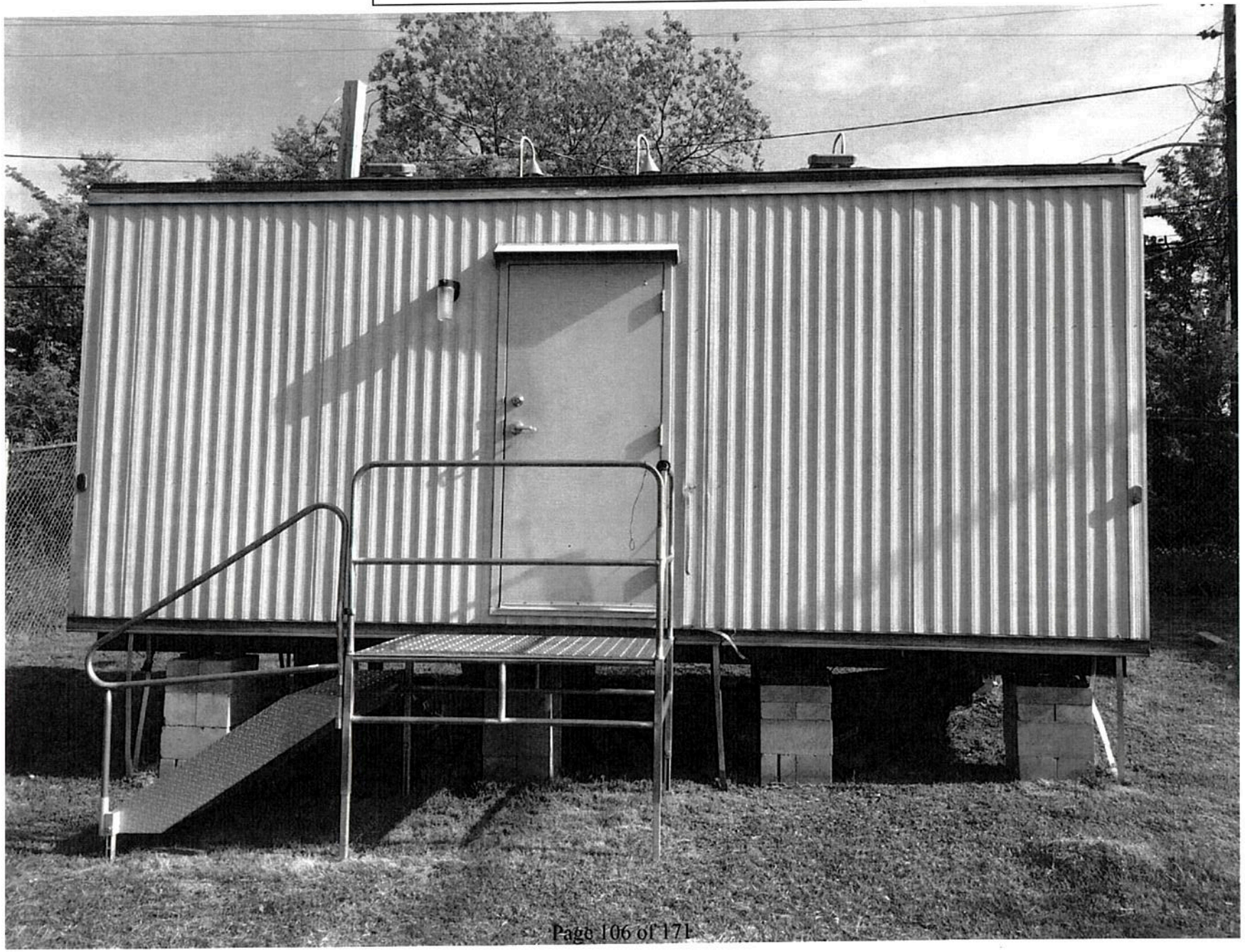

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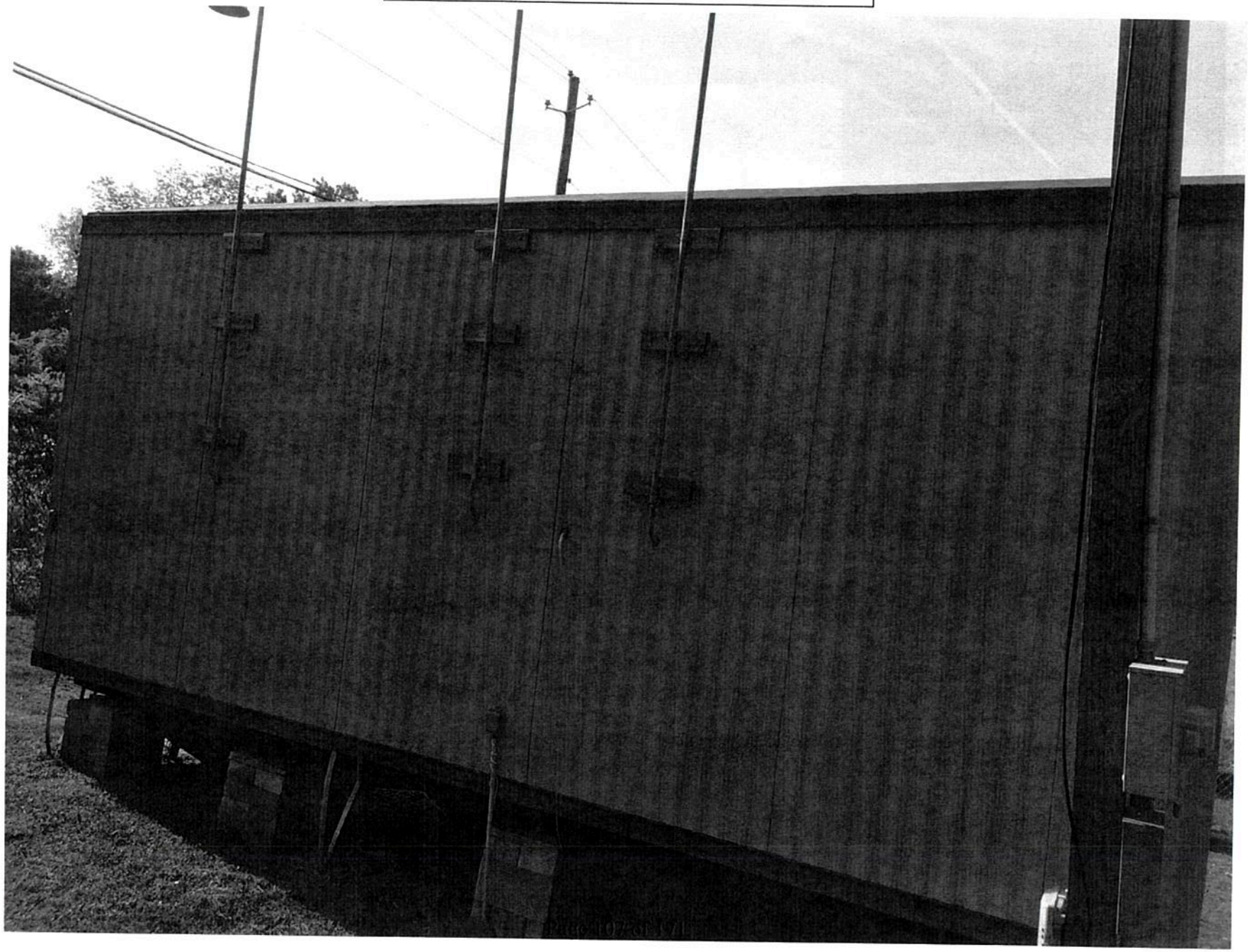
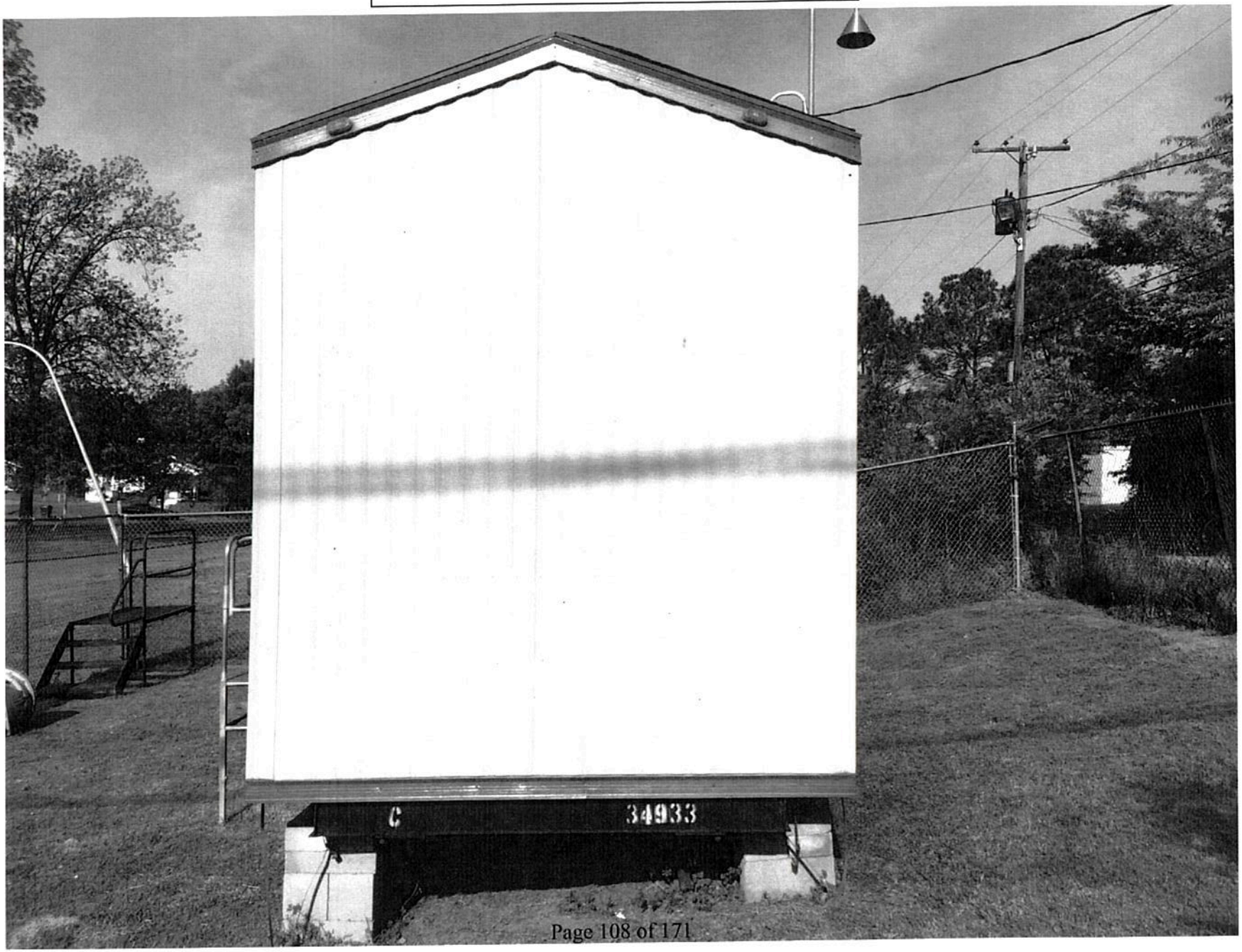


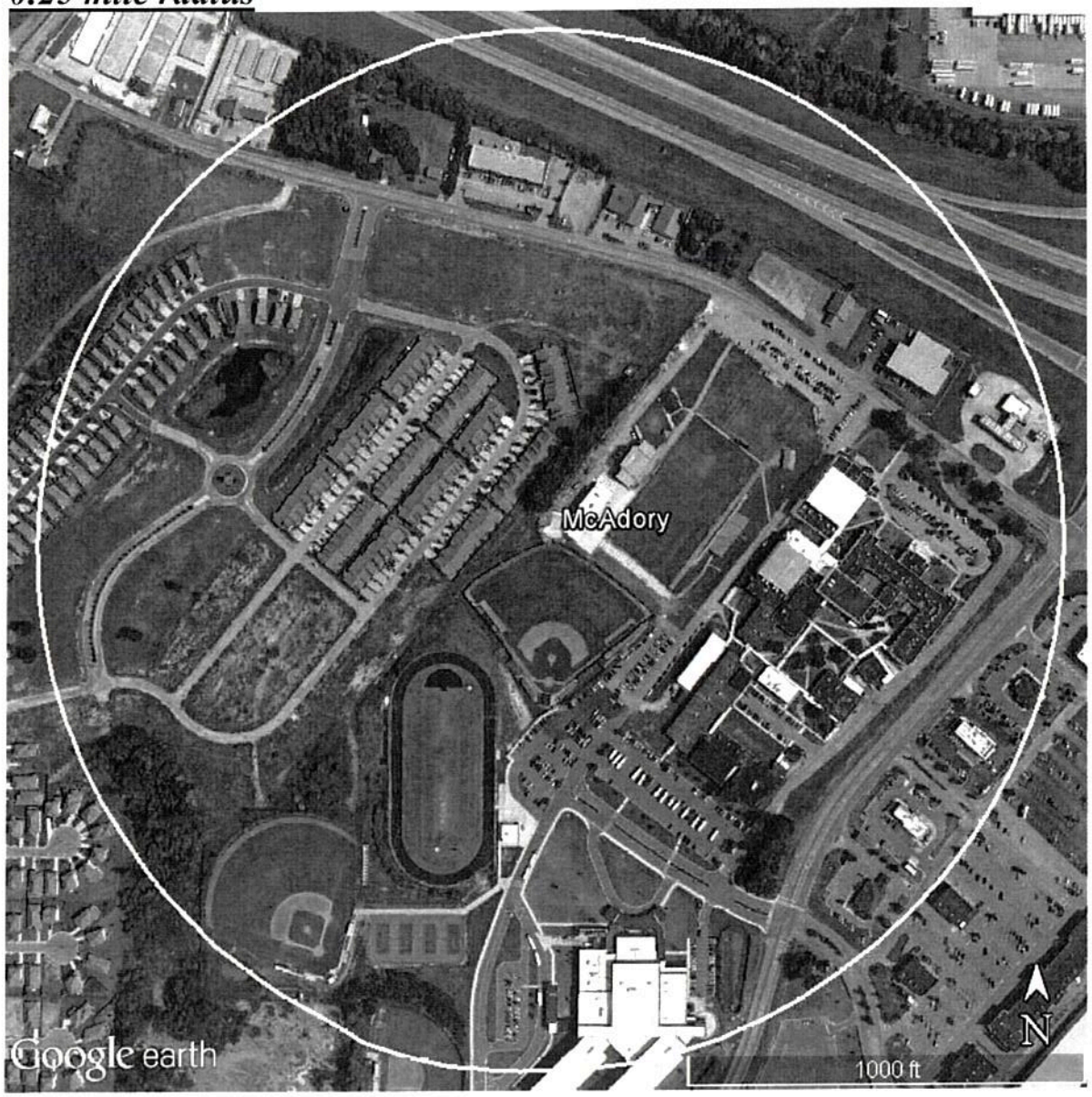
West

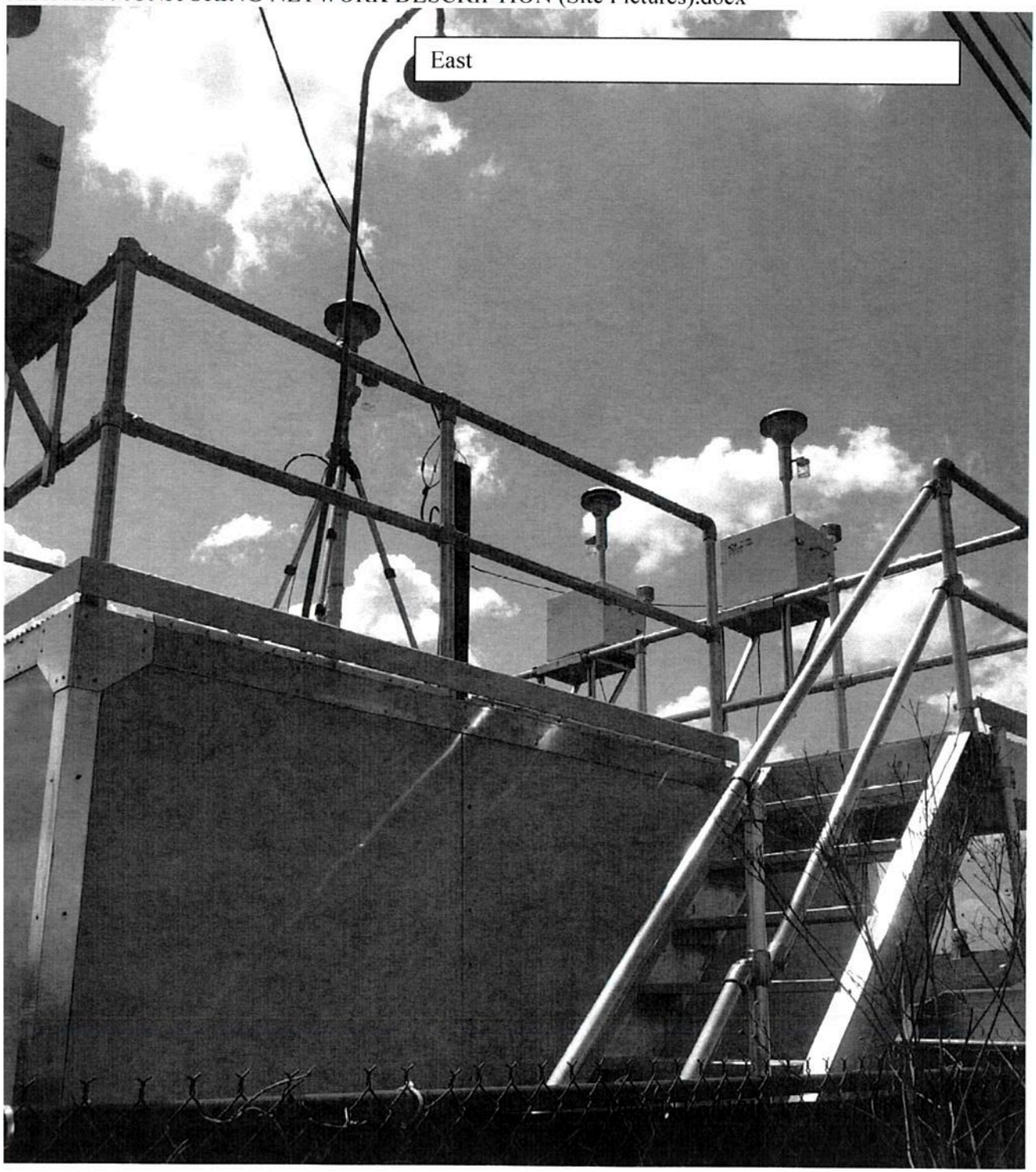


Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-1003	5229 Court B	33.485556 -86.915000	N	S	High Population Exposure	04/26/74	Active	U	C	Y	*March - October*
SO2				N	S	High Population Exposure	12/11/74	Active	P	C	Y	
CO				N	S	High Concentration	06/17/87	Active	I	C	Y	

McAdory

0.25 mile radius

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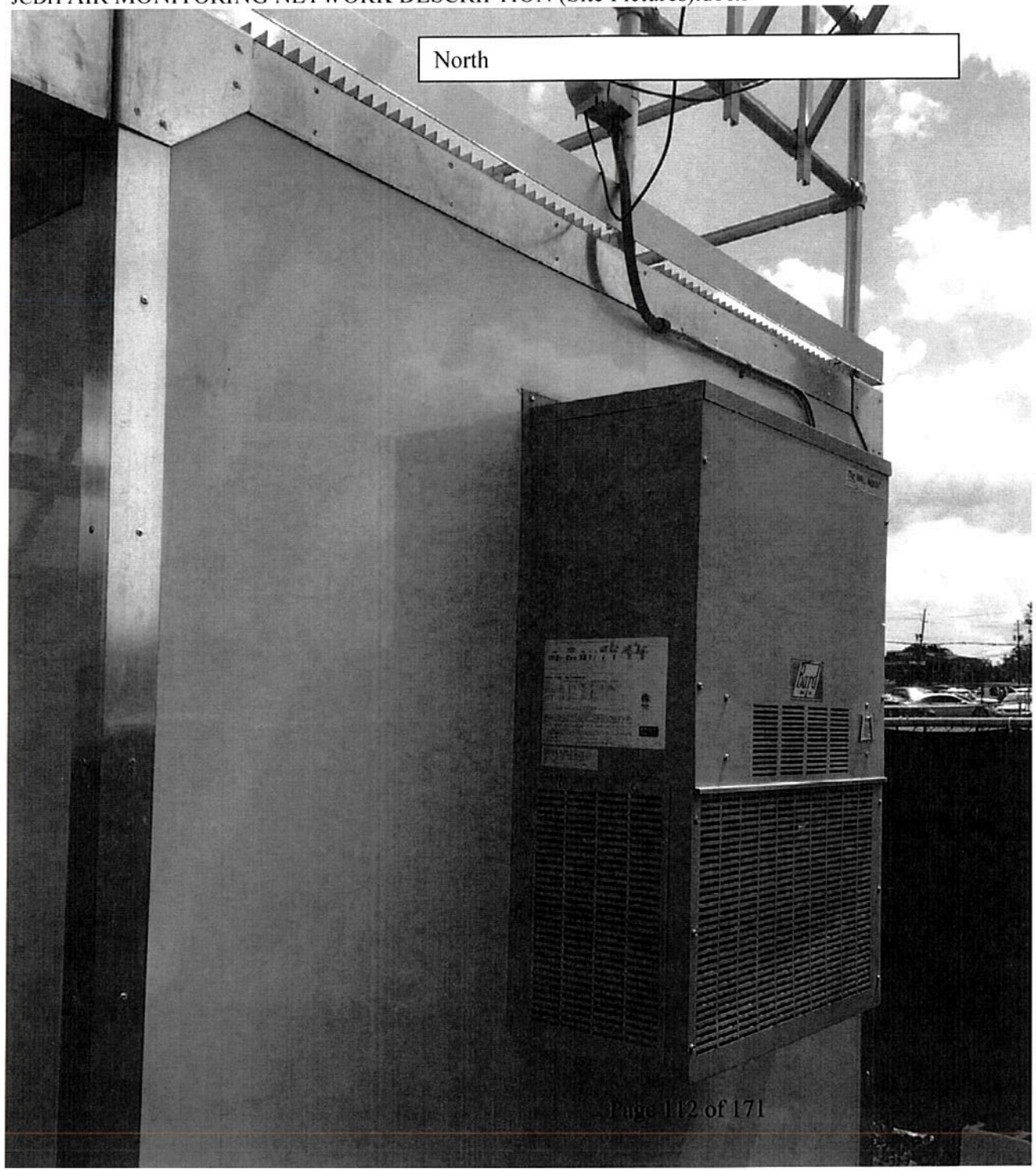
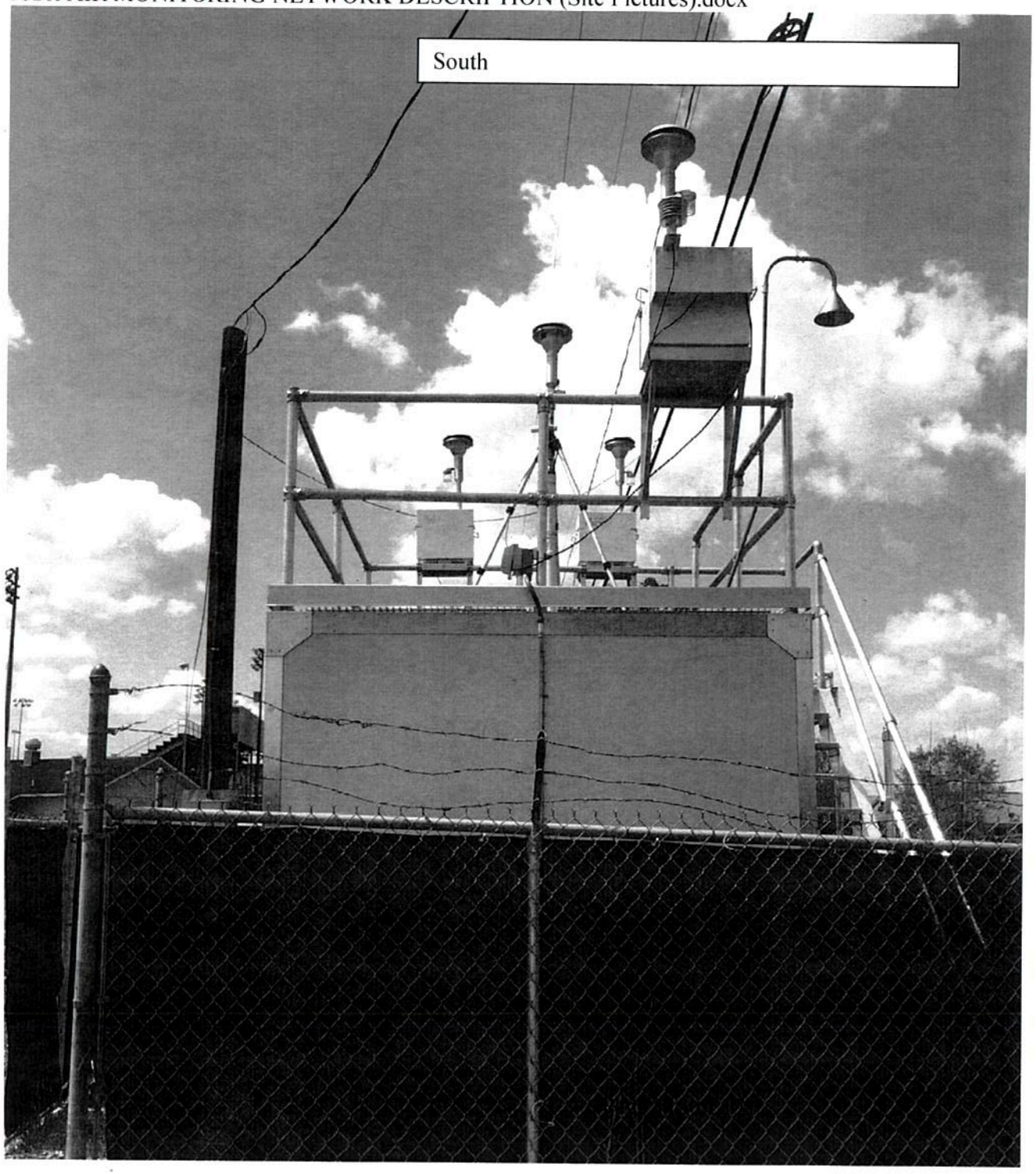
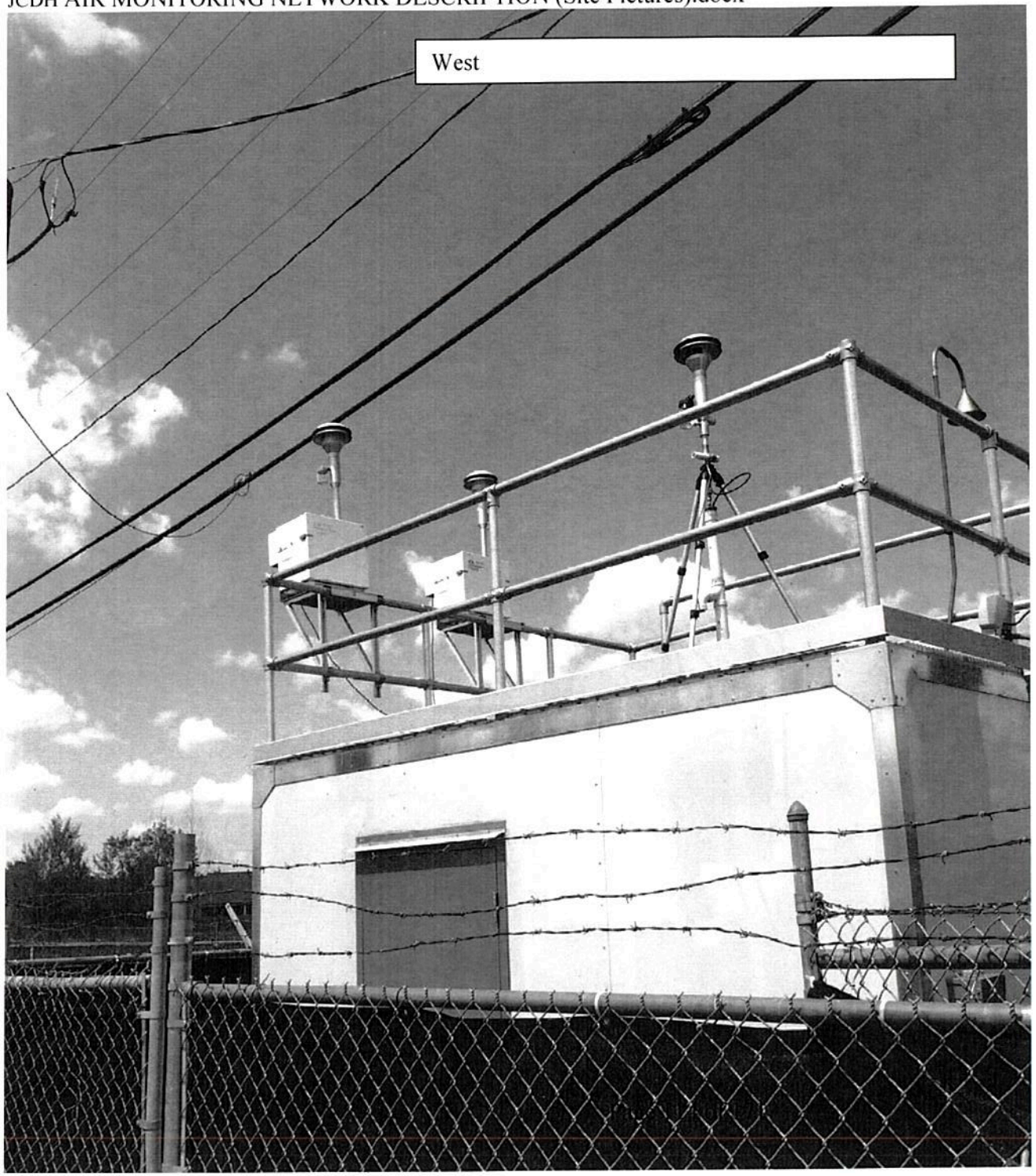

North
Bard


South

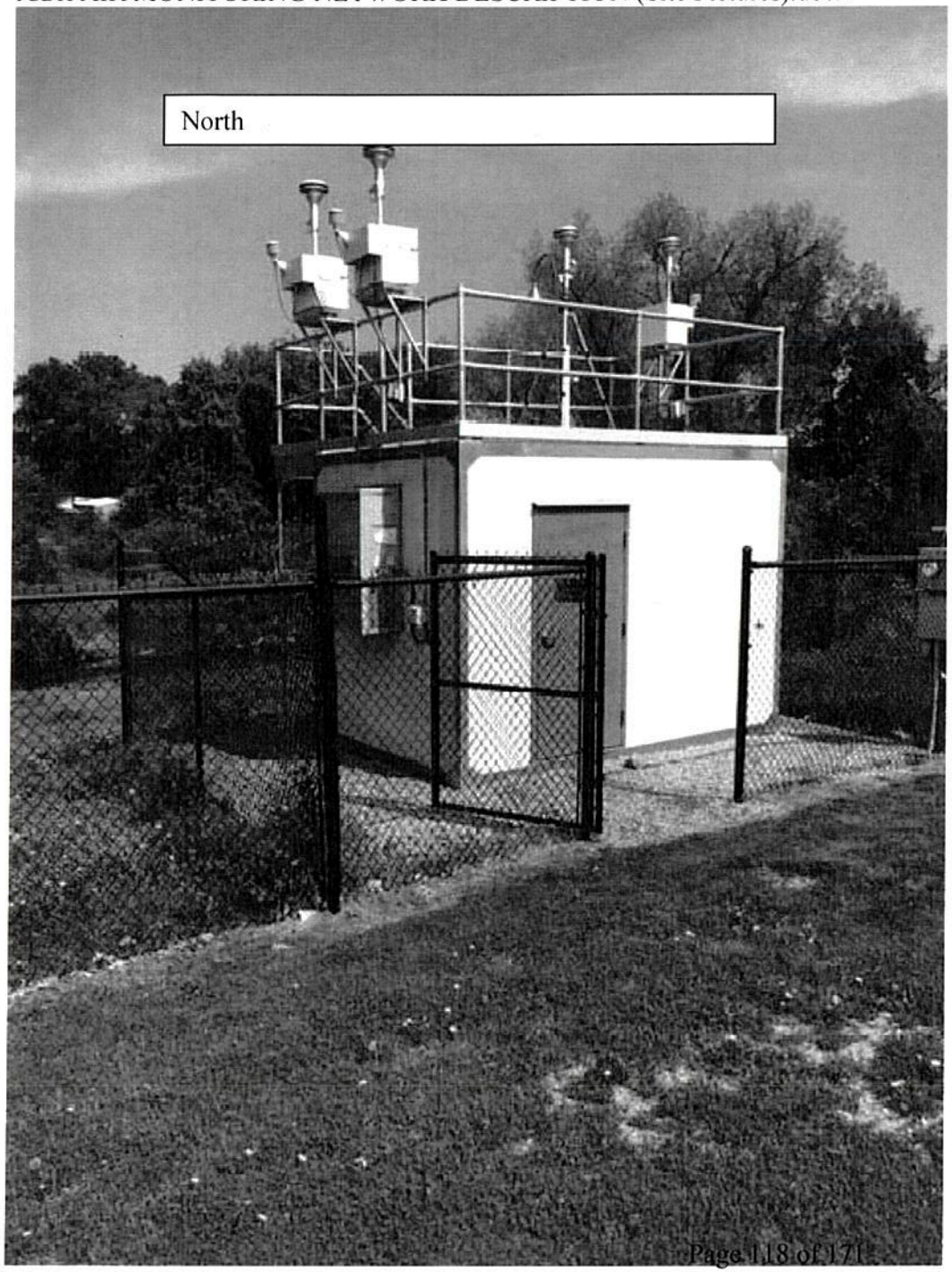

West

Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-1005	4800 McAdory School Rd.	33.331111 -87.003611	U	S	High Concentration	06/17/87	Active	U	C	Y	*March - October*
PM2.5				N	SPM	Typical Population	01/01/99	Active	L	3	Y	
PM2.5				N	SPM	Collocated Sampler	01/01/99	Active	L	6	Y	
Cont PM2.5				N	SPM	Typical Population	01/01/99	Active	T	C	N	

Leeds

0.25 mile radius

East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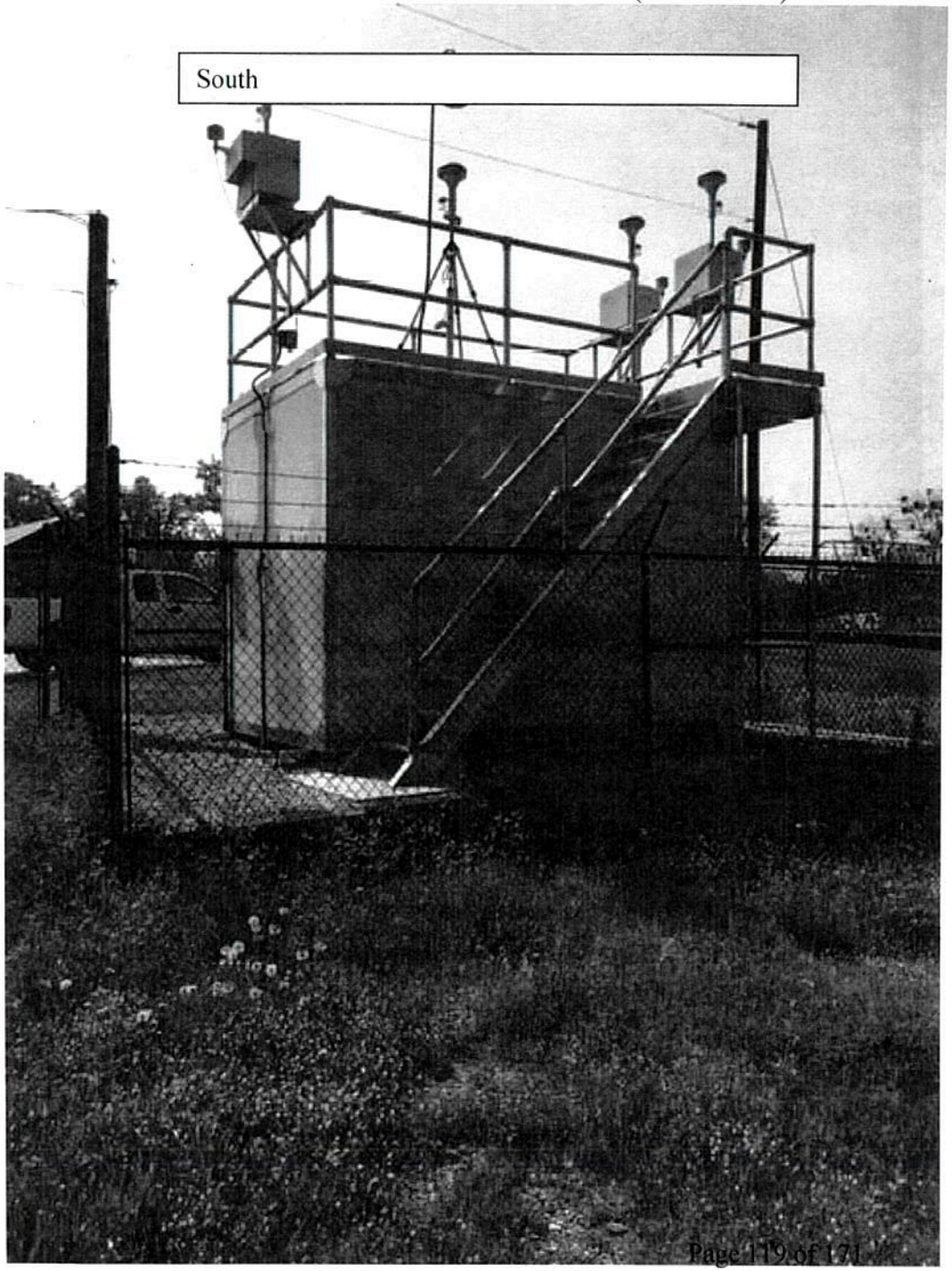
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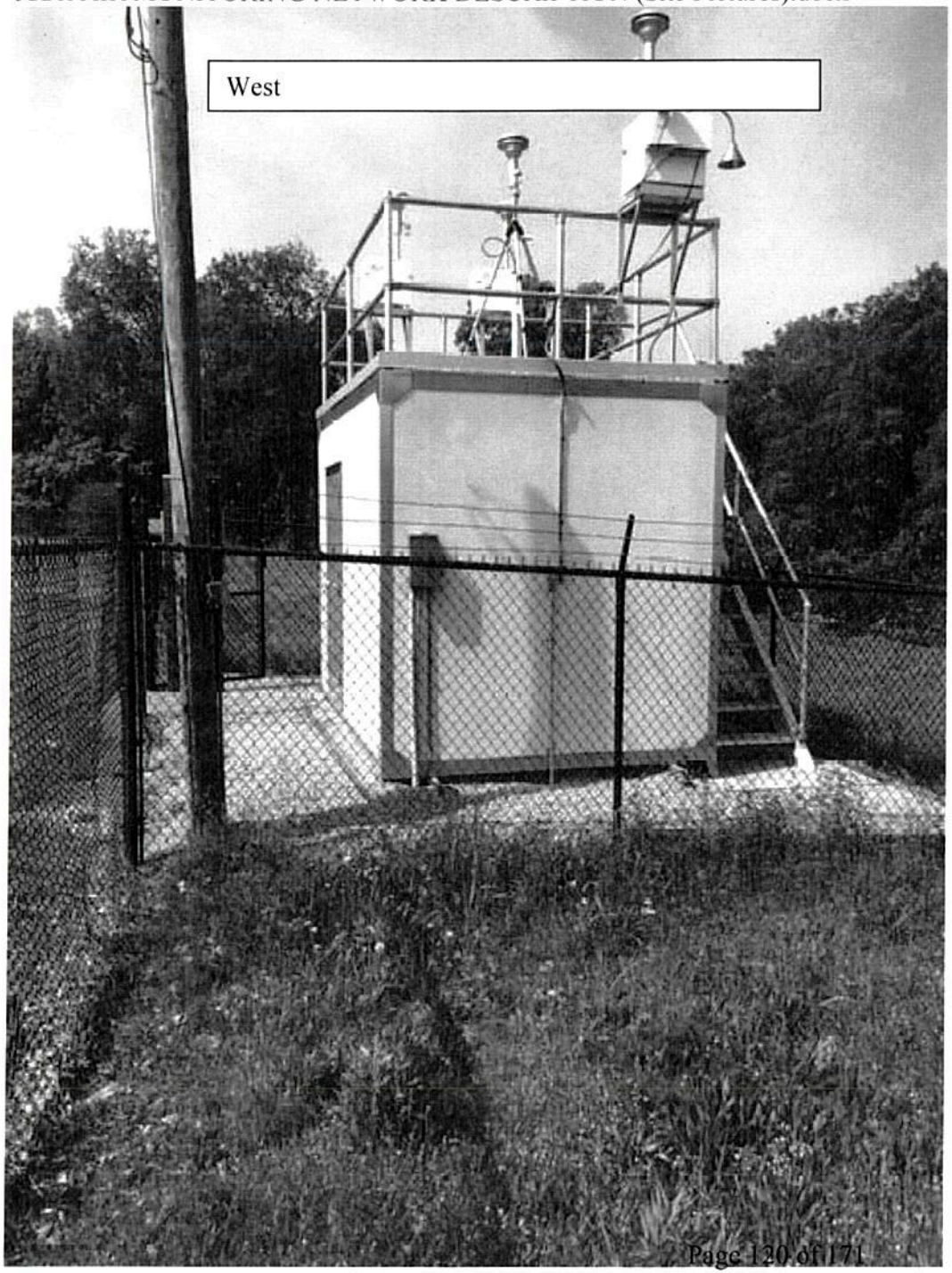
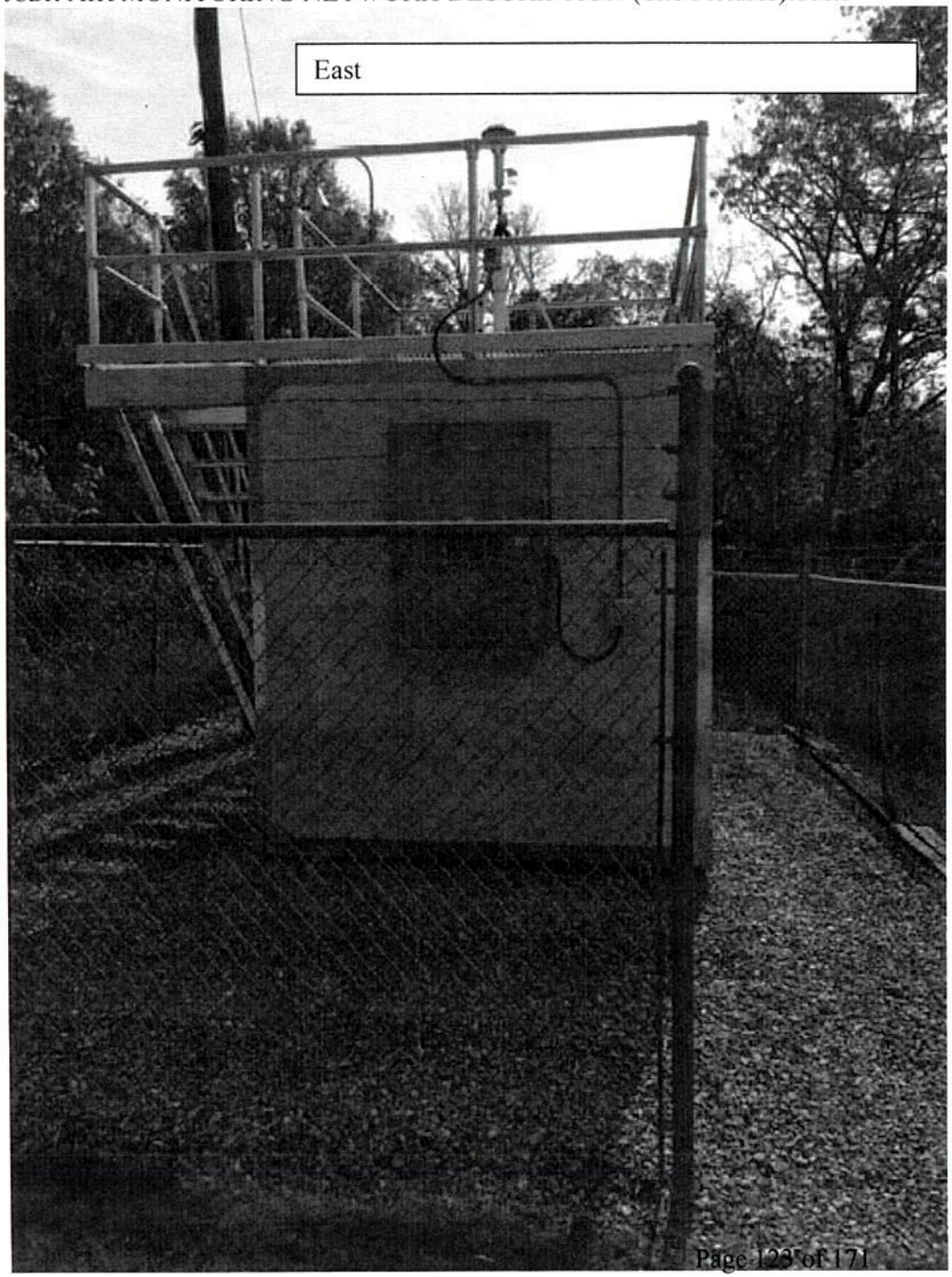

West

Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-1010	201 Ashville Rd.	33.545278 -86.549167	N	S	High Population Exposure	03/01/01	Active	U	C	Y	*March - October*
Low Vol PM10				N	S	Typical Population	01/01/04	Active	L	6	Y	*LC converted to STP*
PM2.5				N	SPM	Typical Population	01/01/04	Active	L	6	Y	
PM2.5				N	SPM	Collocated Sampler	01/01/04	Active	L	6	Y	
Cont PM2.5				N	SPM	Typical Population	01/01/04	Active	T	C	N	

Hoover

0.25 mile radius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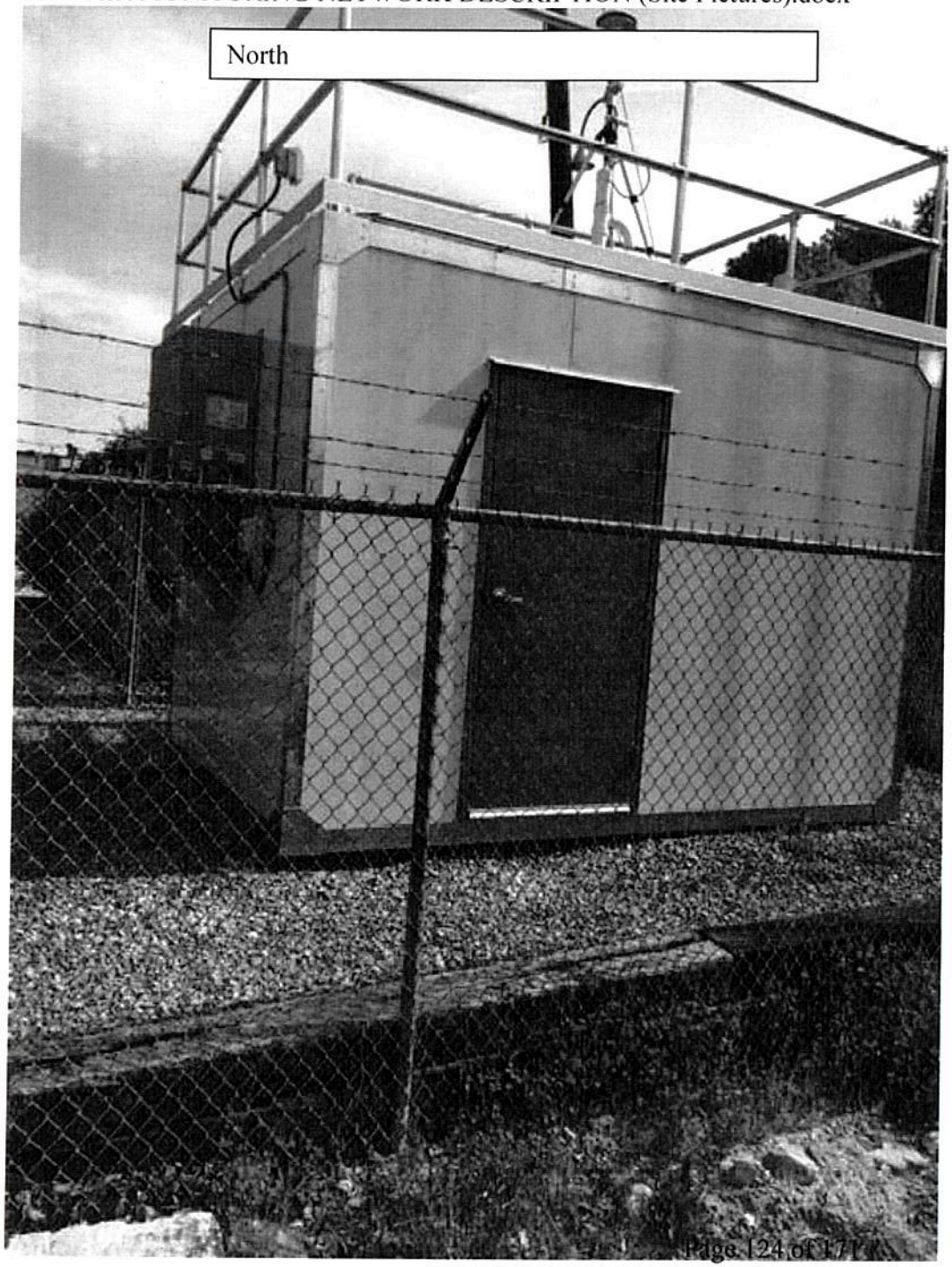
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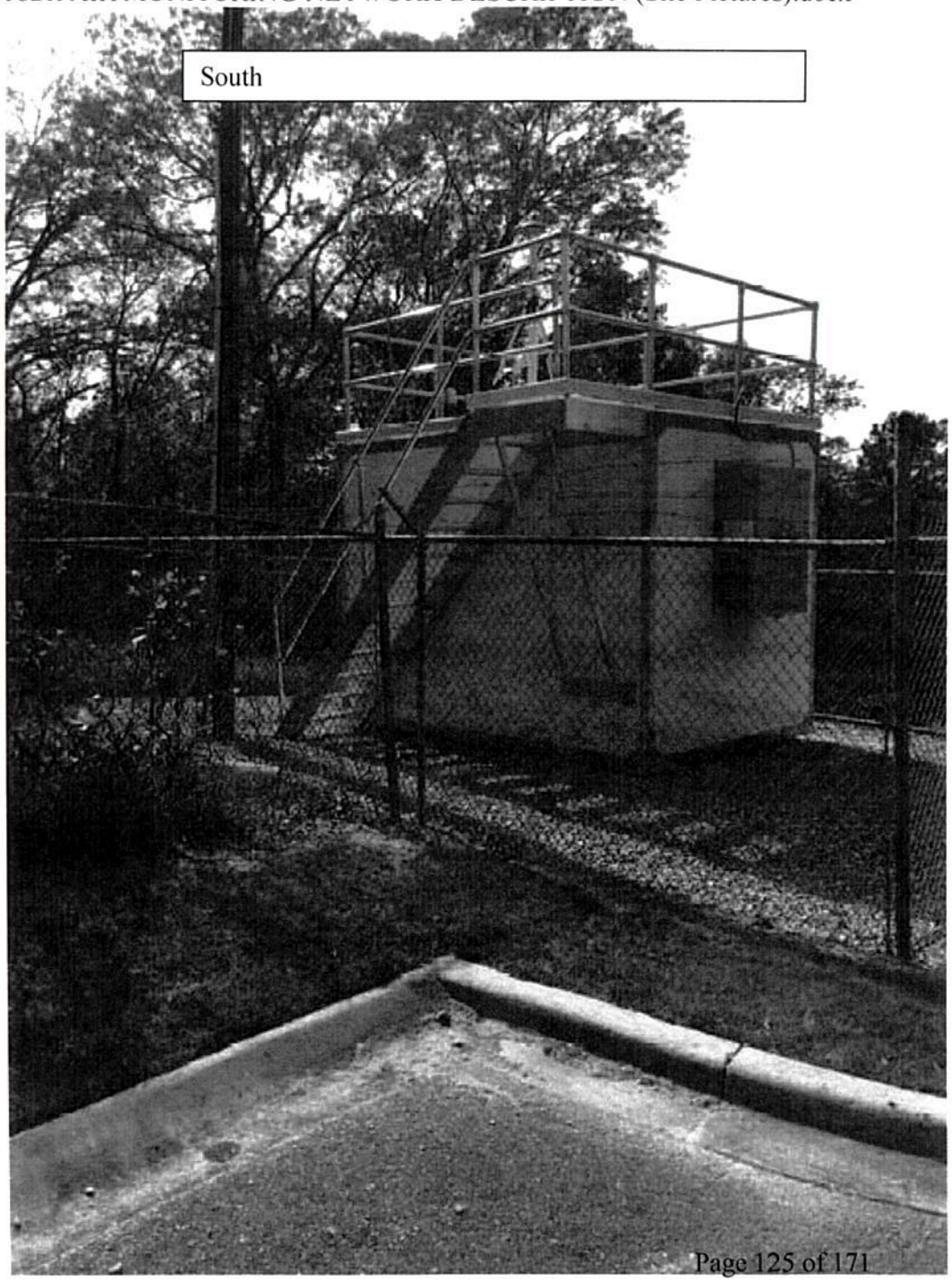
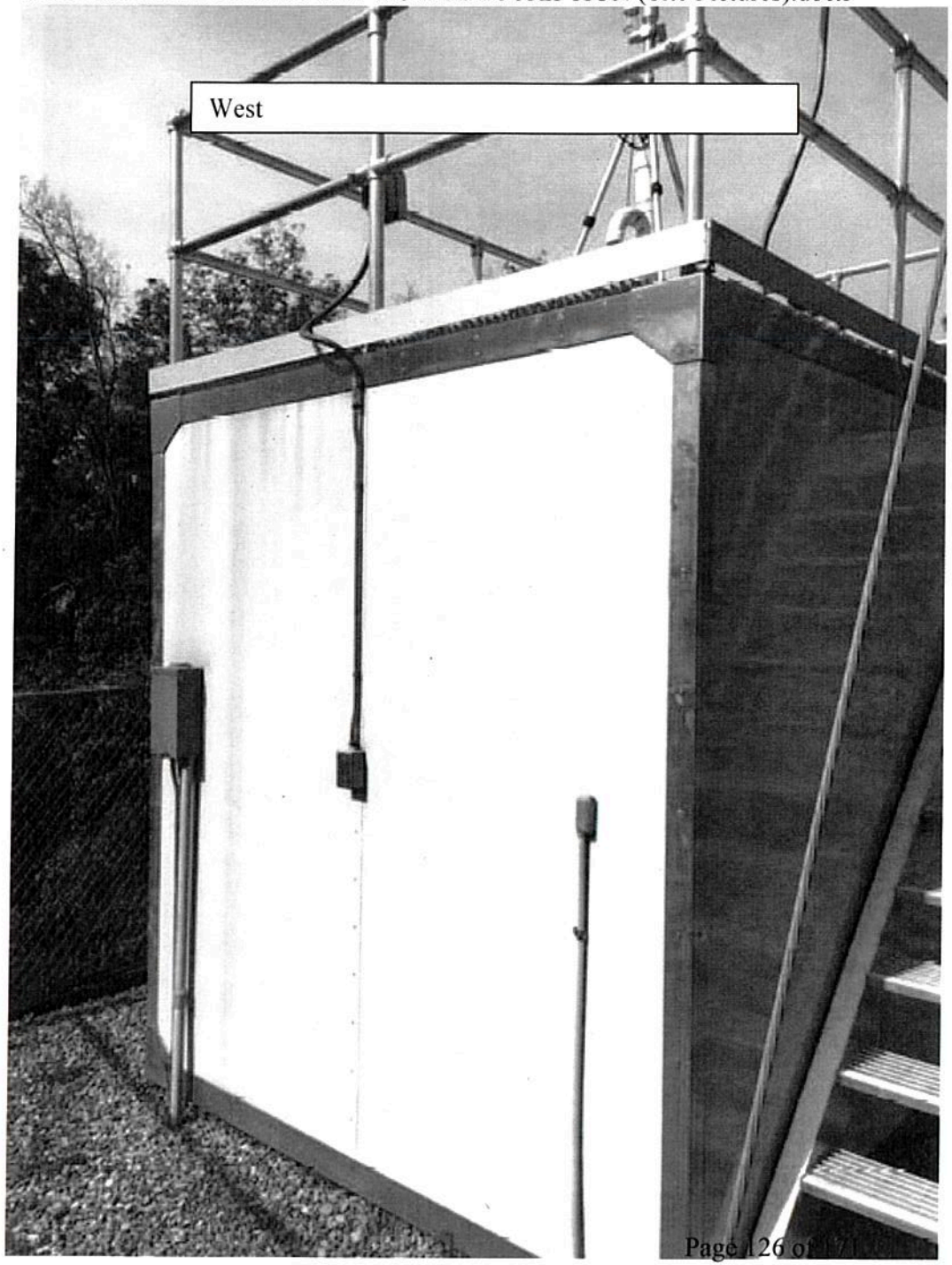
South

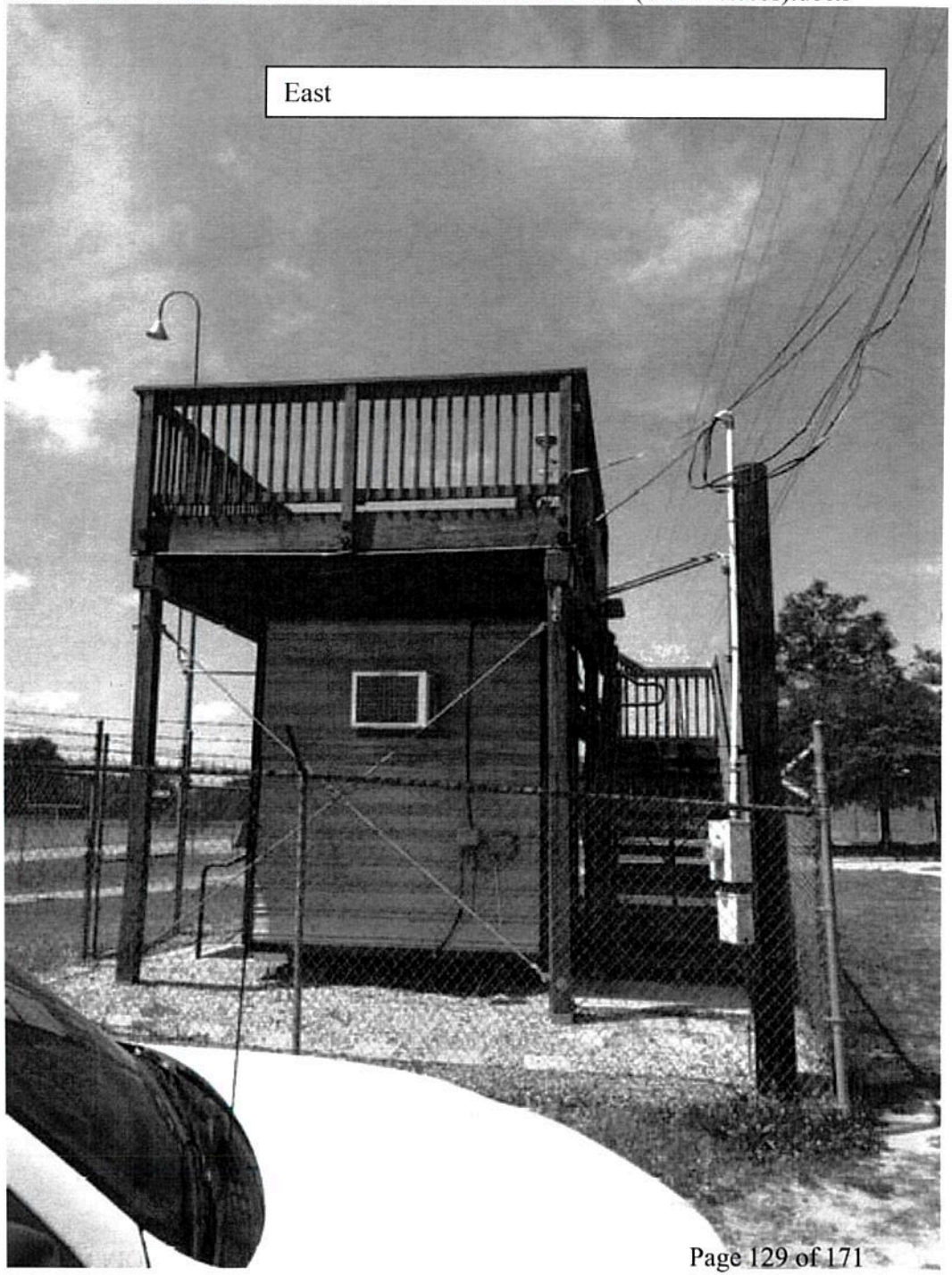



West

Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-2006	3425 Tamassee Lane	33.386389 -86.816667	N	S	High Population Exposure	09/01/88	Active	U	C	Y	*March - October*
Cont PM2.5				N	SPM	High Population Exposure	07/25/01	Active	T	C	N	

Corner

0.25 mile radius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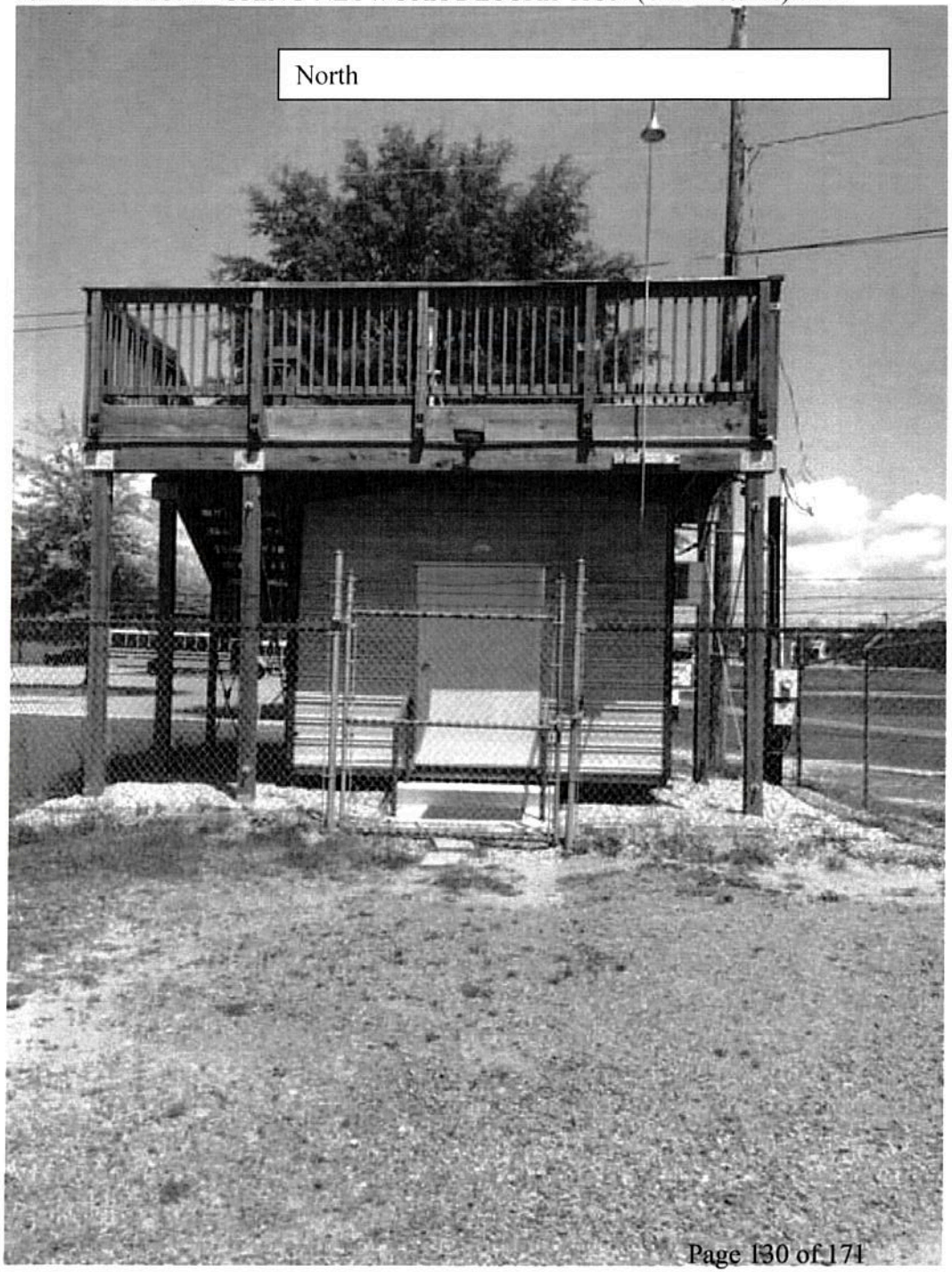

North

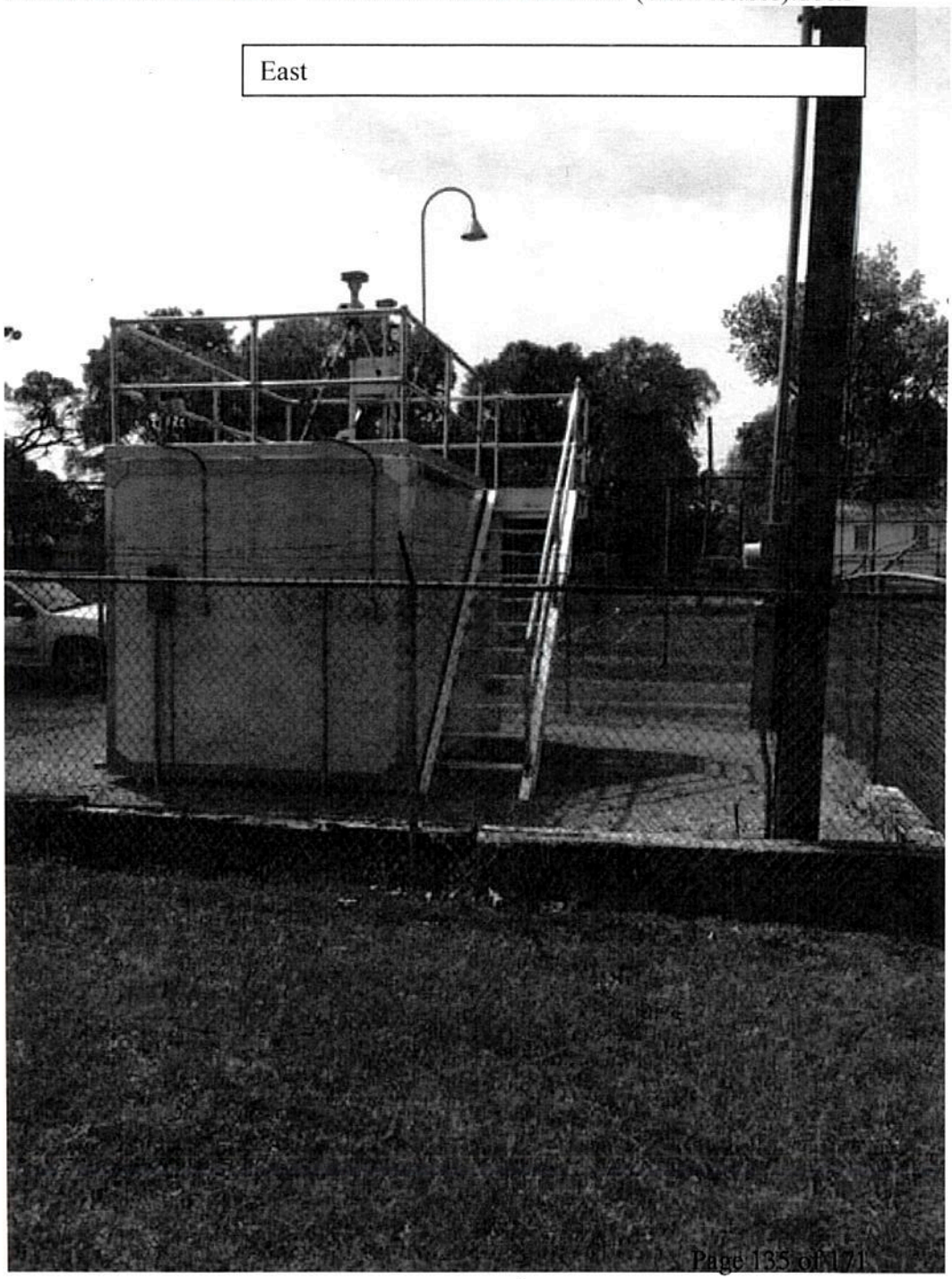
South

West

Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-5003	1005 Corner School Rd.	33.801667 -86.942500	U	S	Typical Population	03/01/00	Active	U	C	Y	*March - October*
Cont PM2.5				U	SPM	Typical Population	07/22/01	Active	T	C	N	

Tarrant

0.25 mile radius


East

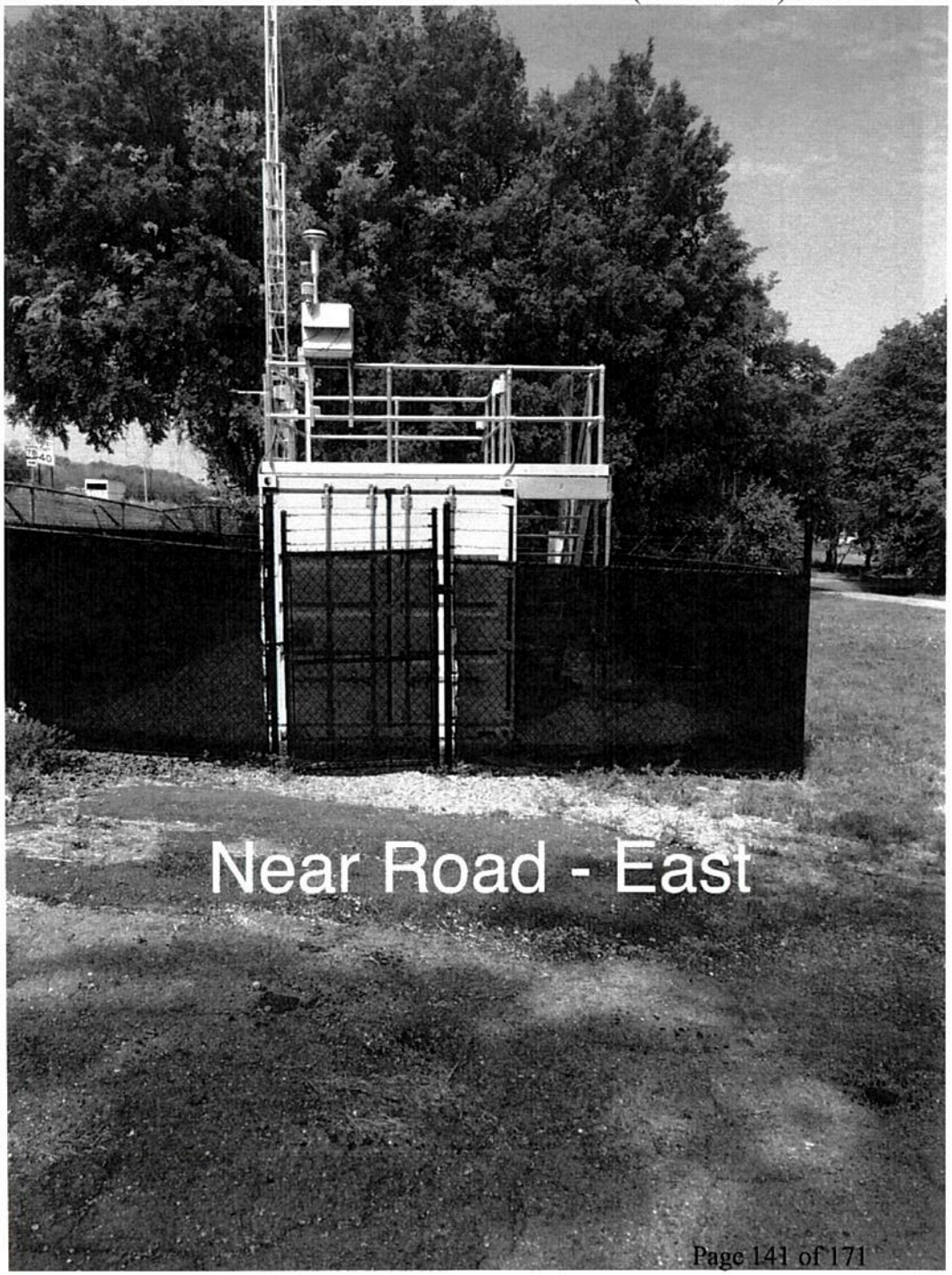
North

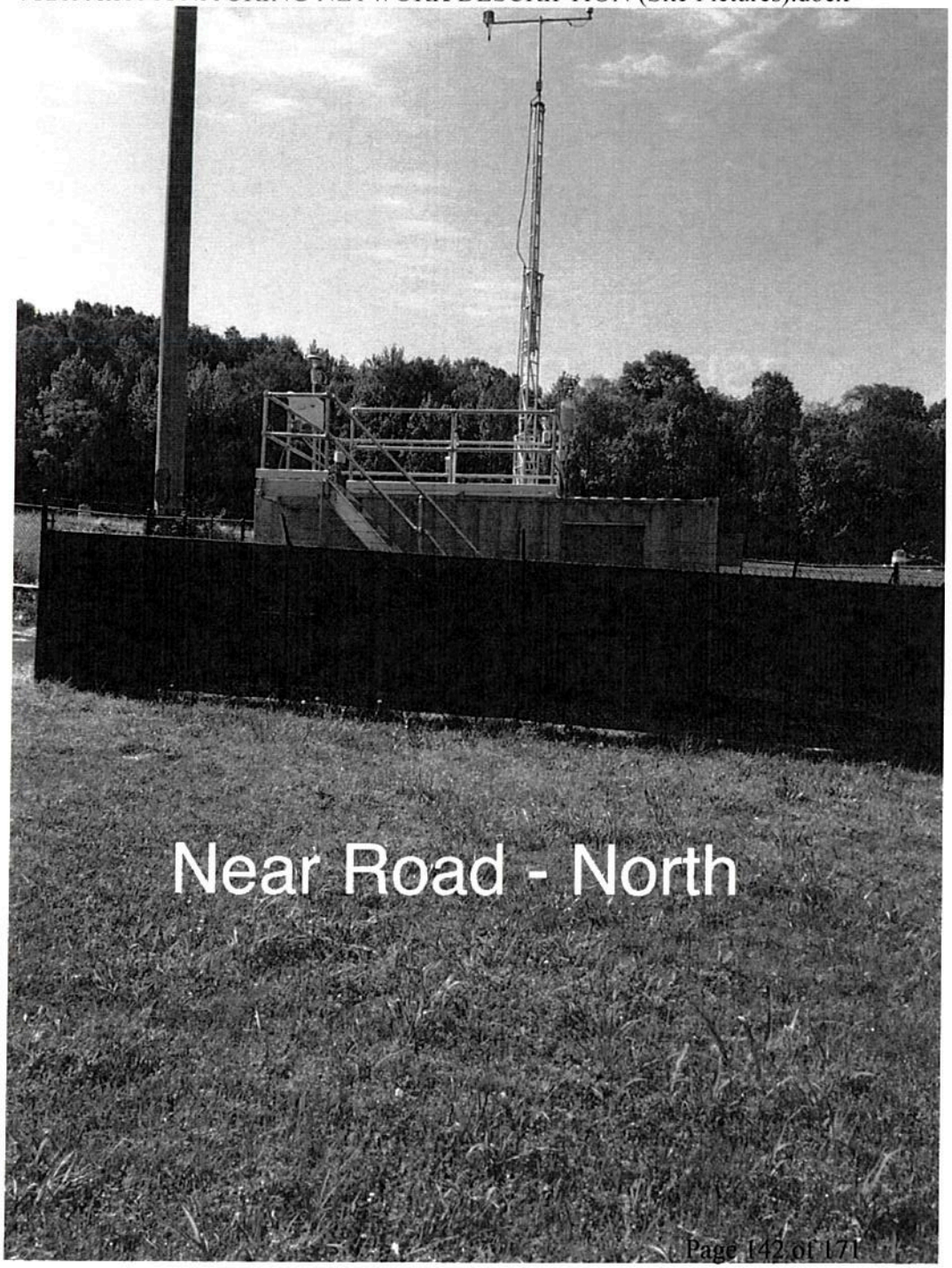
South

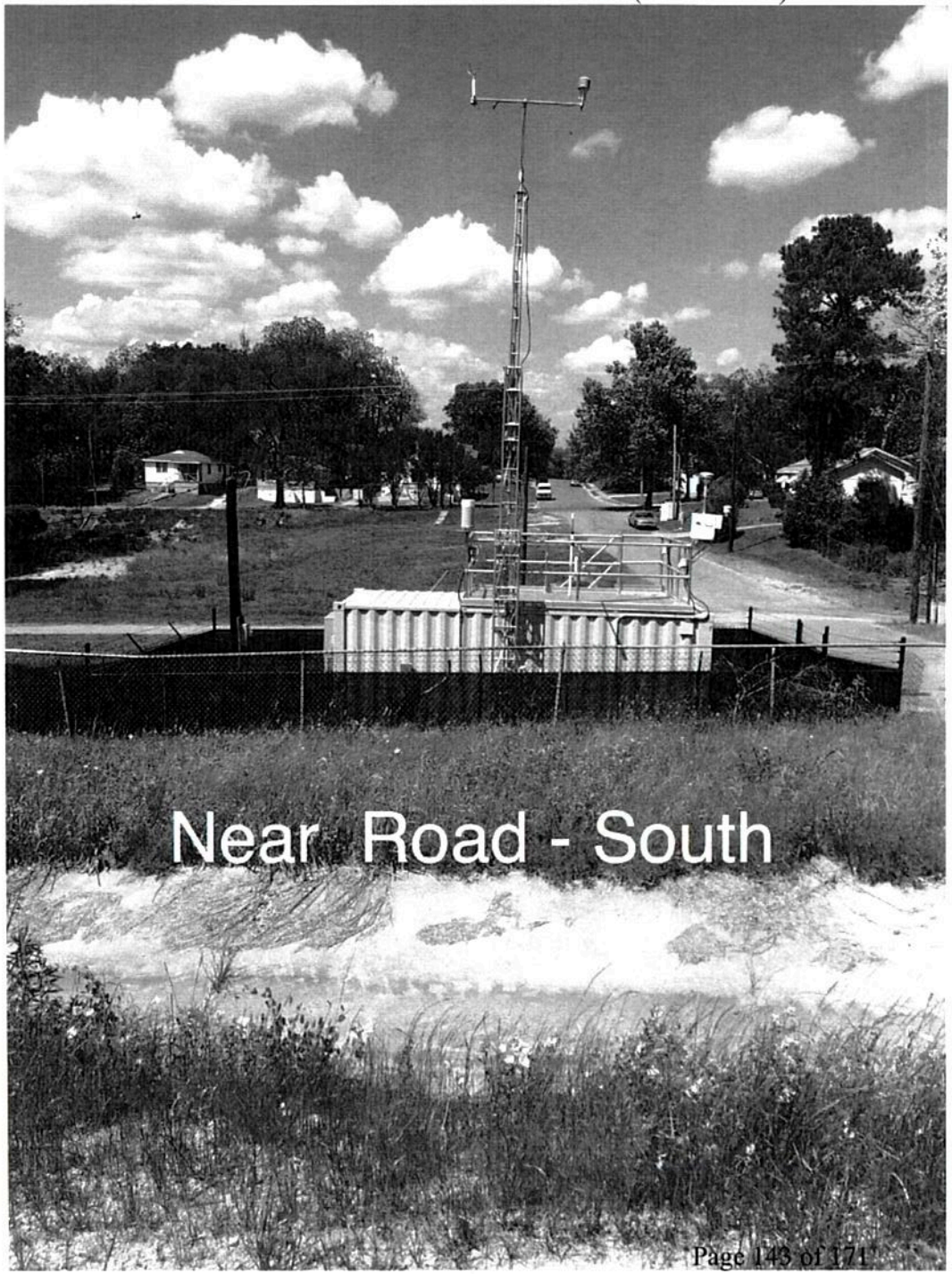
West

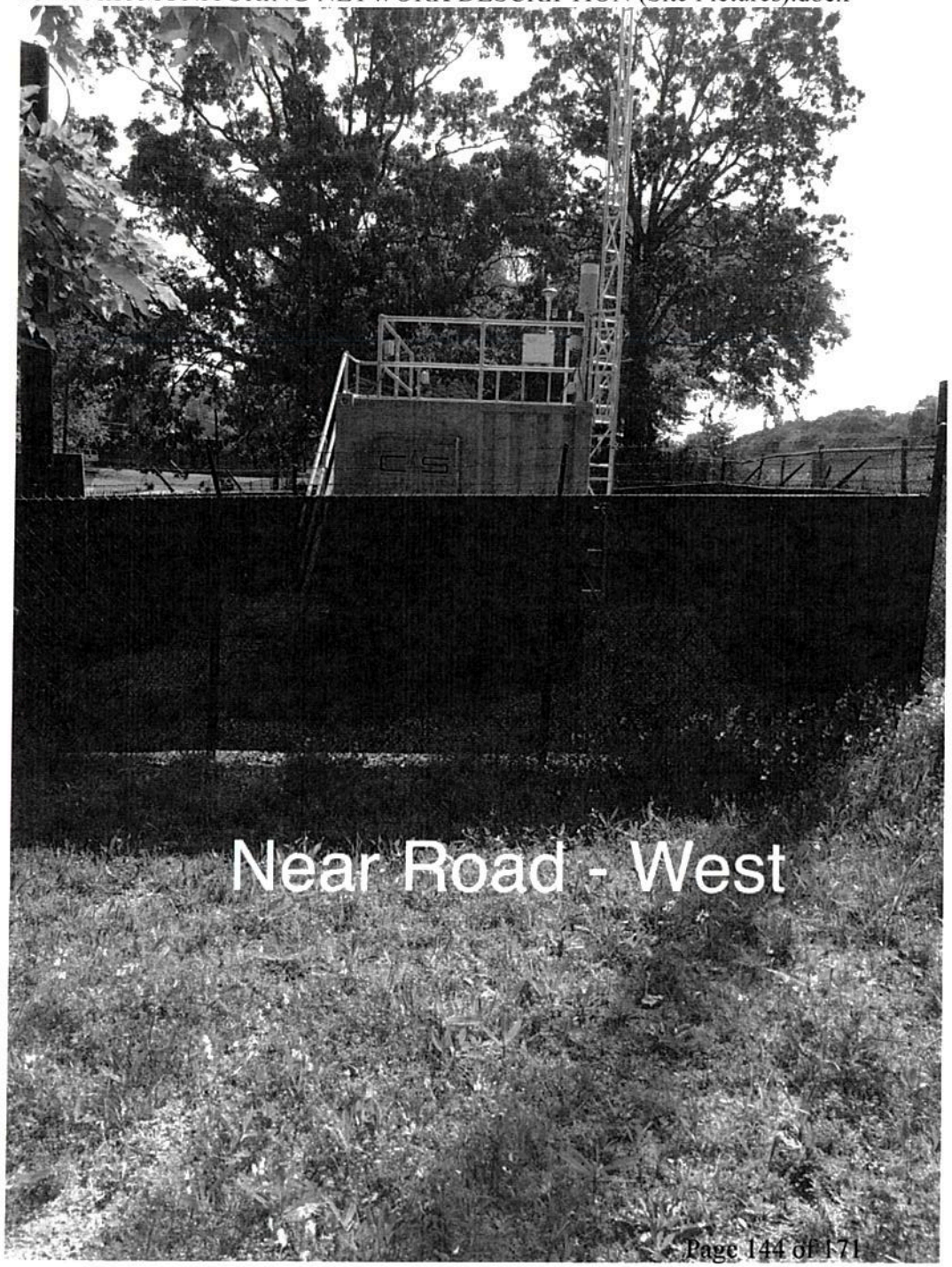
Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Ozone	01-073-6002	1269 Portland St.	33.578333 -86.773889	N	S	High Population Exposure	03/24/80	Active	U	C	Y	*March - October*
Low Vol PM10				N	S	High Population Exposure	01/01/13	12/31/2016	L	6	Y	*Discontinued*
Cont PM10				N	S	High Population Exposure	03/24/80	Active	T	C	Y	

Arkadelphia
0.25 mile radius


Near Road - East


Near Road - North

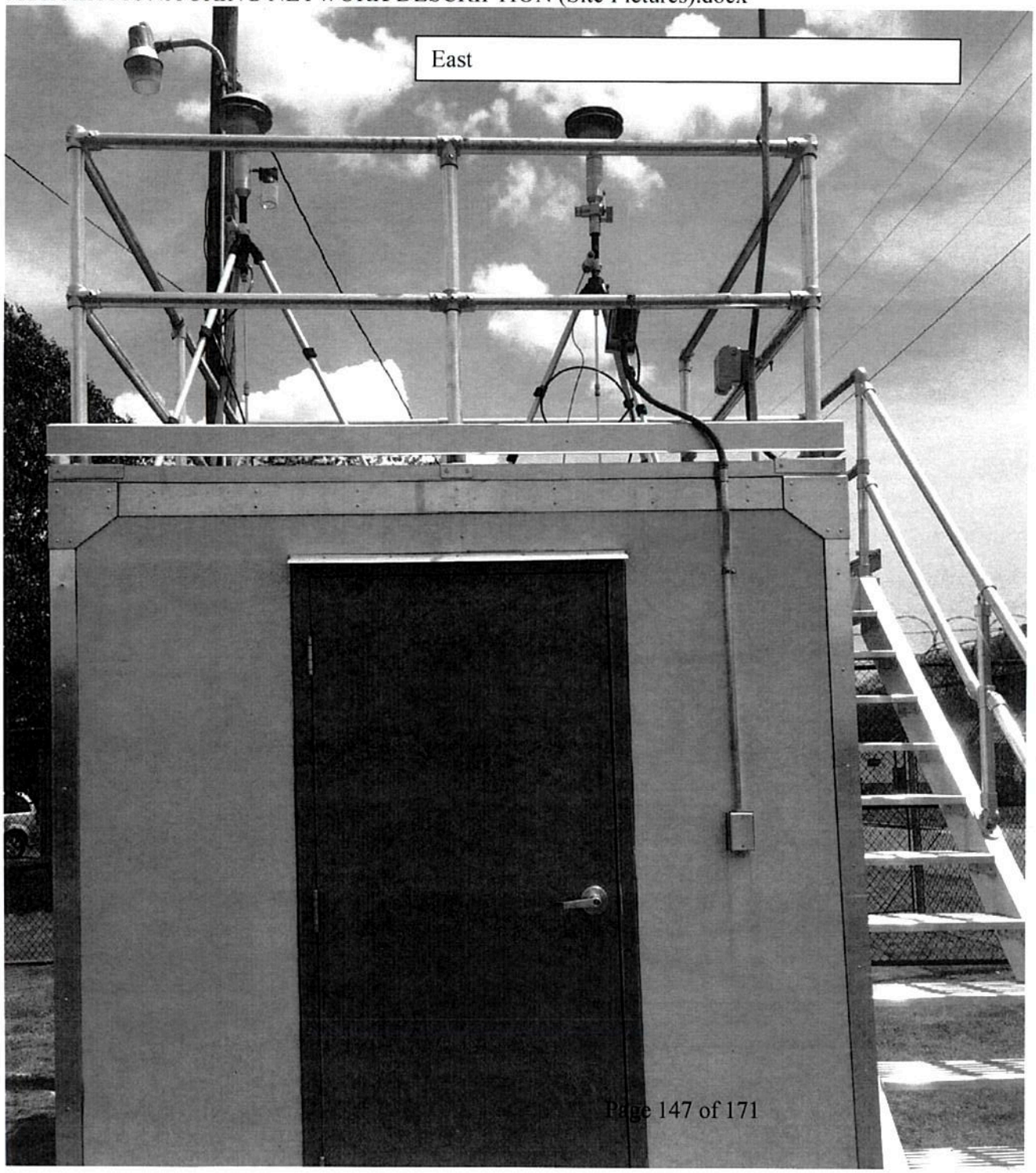

Near Road - South


Near Road - West

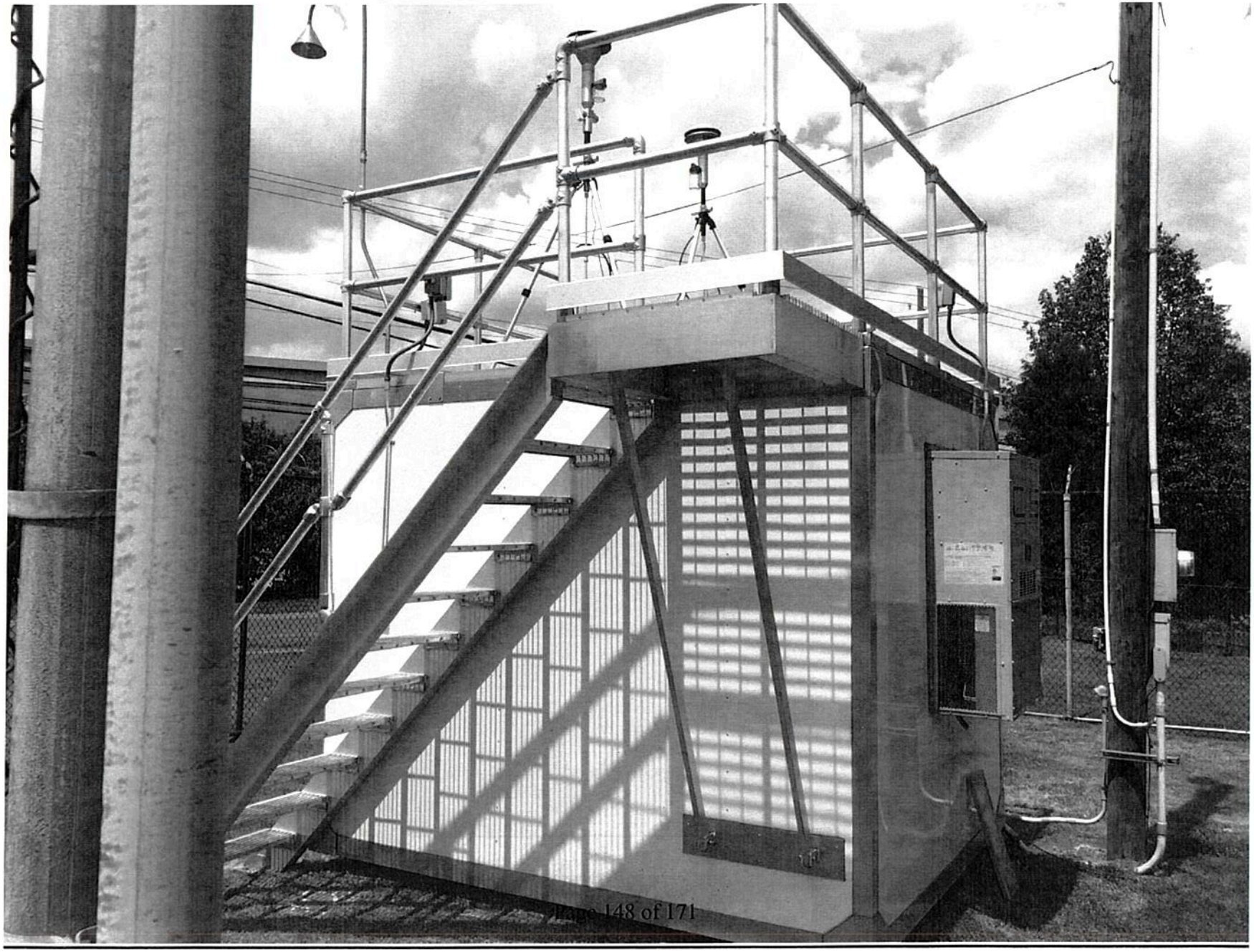
Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
CO	01-073-2059	1110 5th Street West	33.521427 -86.844112	N	NS	Neighborhood	01/01/14	Active	F	C	Y	
NO2				N	S	Neighborhood	01/01/14	Active	UP	C	Y	*Began 01/2014*
PM2.5				N	S	Neighborhood	01/01/14	Active	L	6	Y	*Began 01/2014*

Shuttlesworth

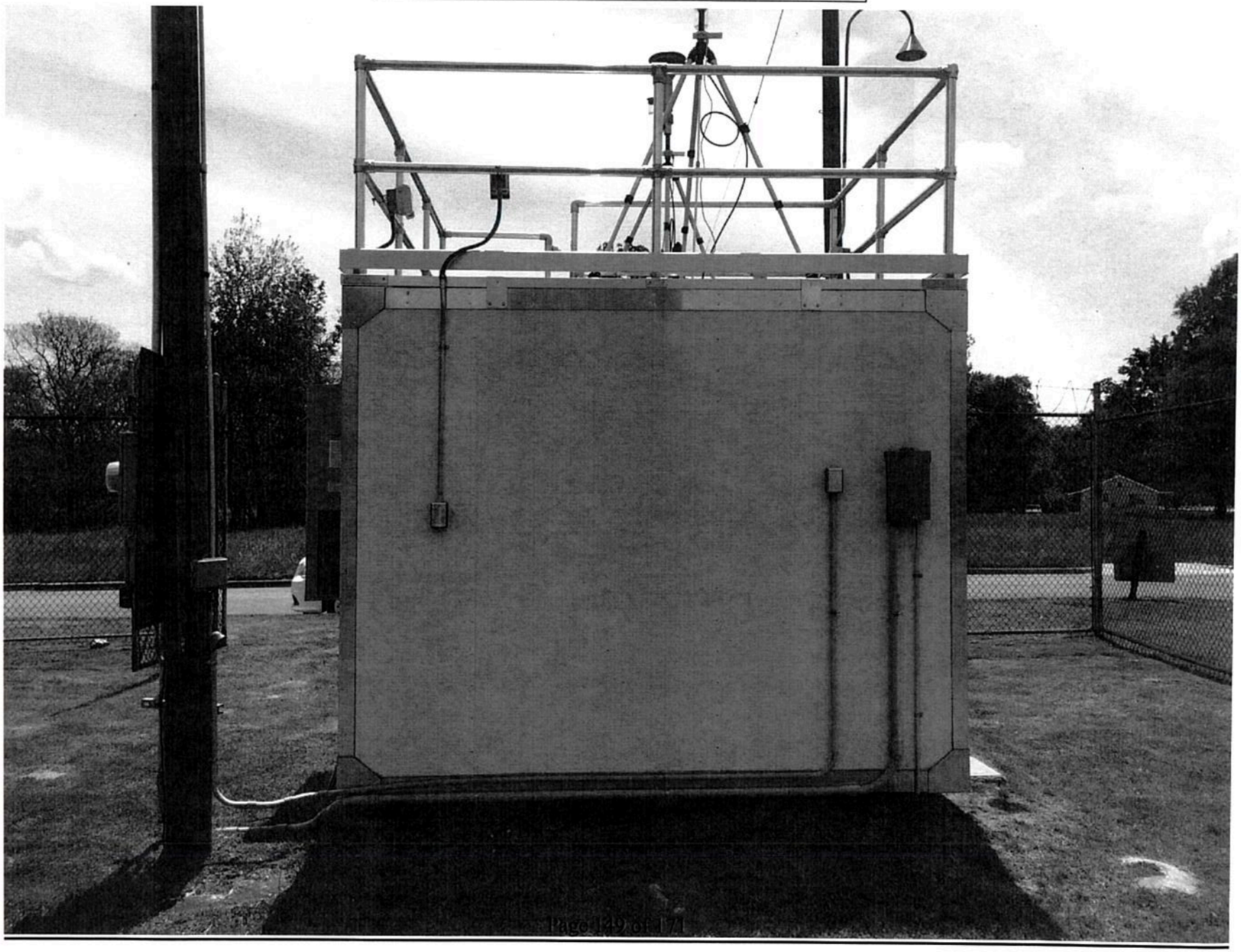
0.25 mile radius

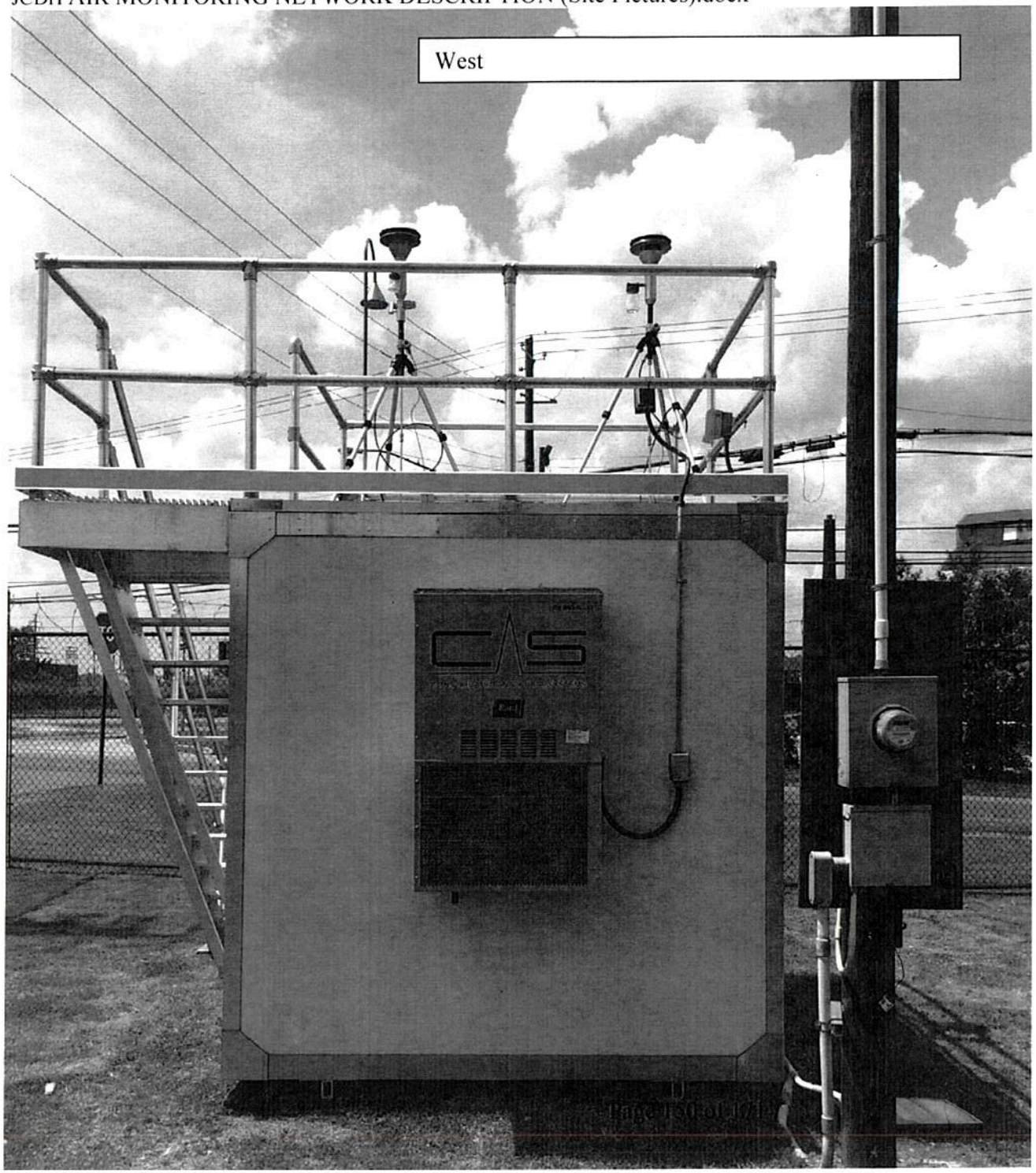

East

North



South

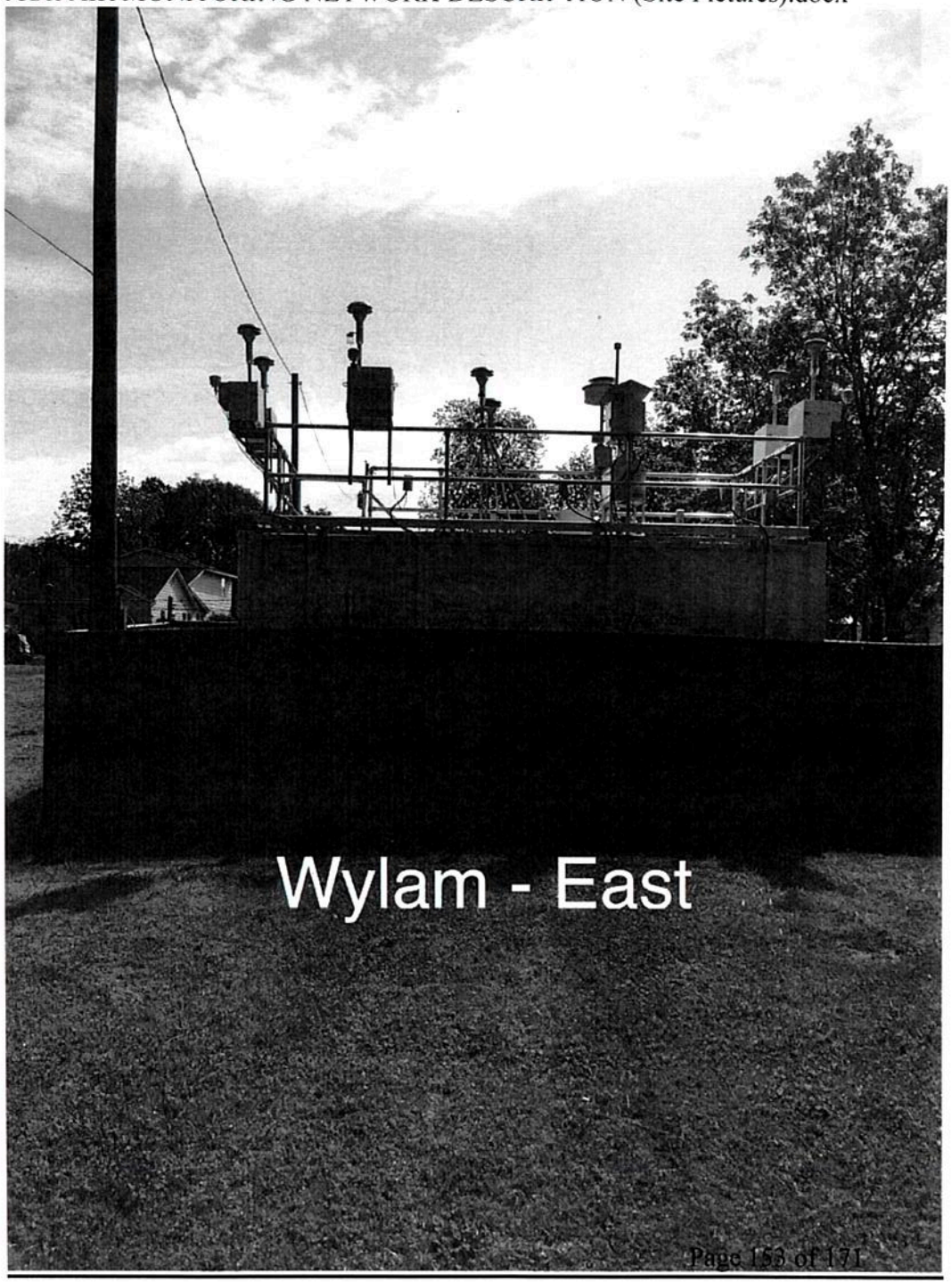


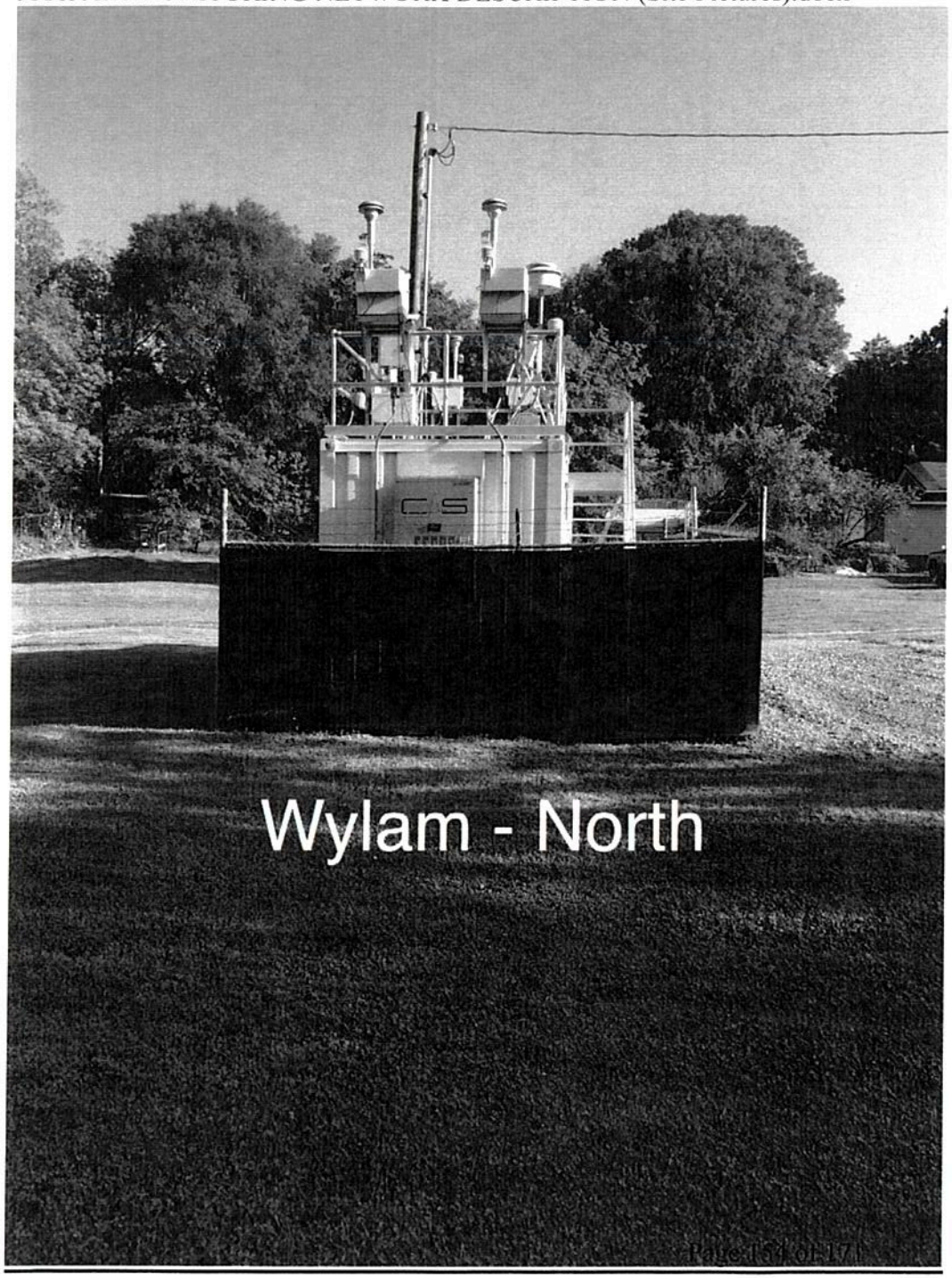

West
CAS

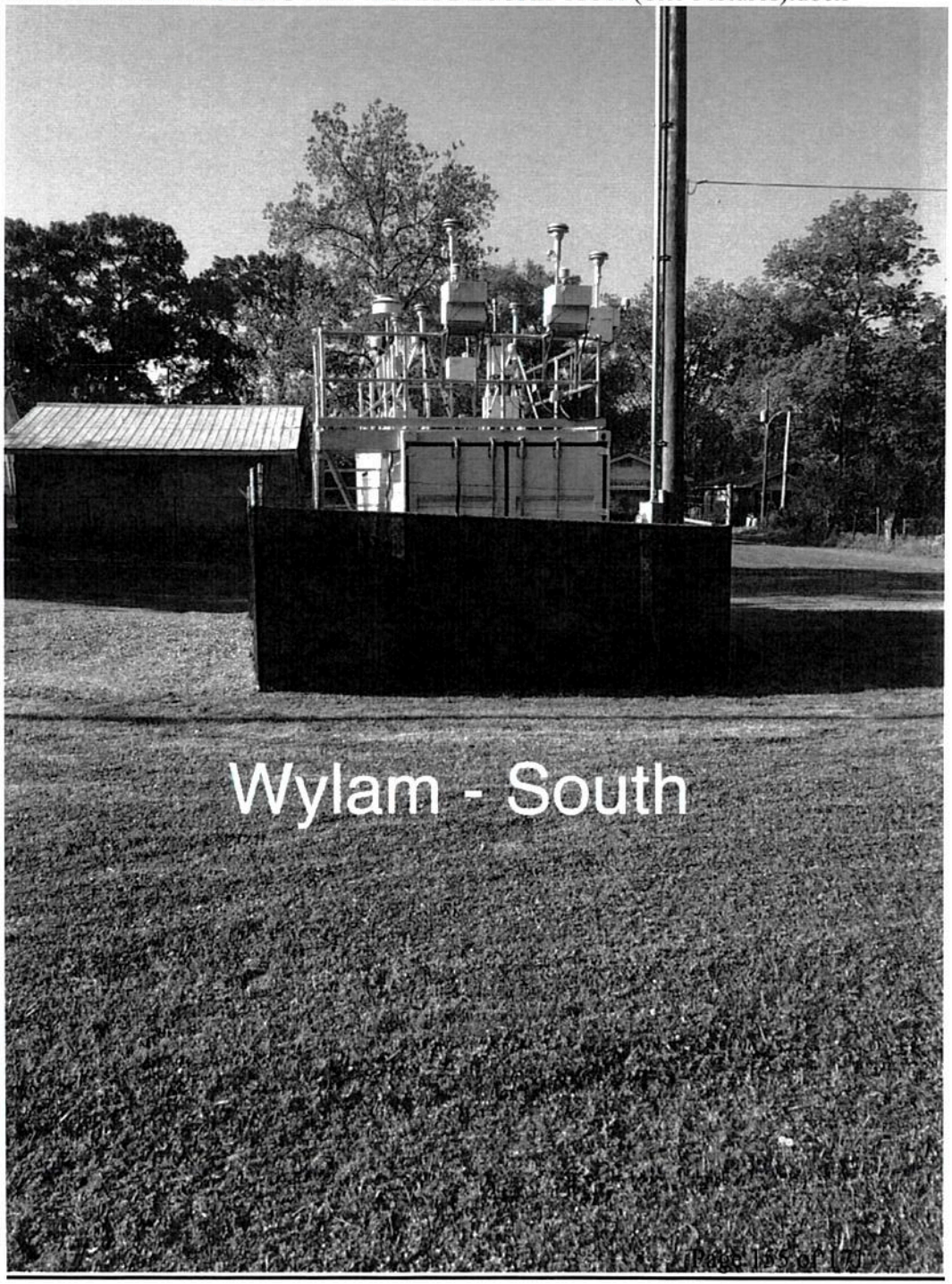
Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Cont PM10	01-073-6004	4113 Shuttlesworth Drive	33.565278 -86.796389	M	SPM	Source Impact	01/25/96	Active	T	C	Y	
Cont PM2.5				M	SPM	Source Impact	02/01/2016	Active	T	C	N	
SO_2				M	SPM	Source Impact	01/01/2017	Active	P	C	Y	

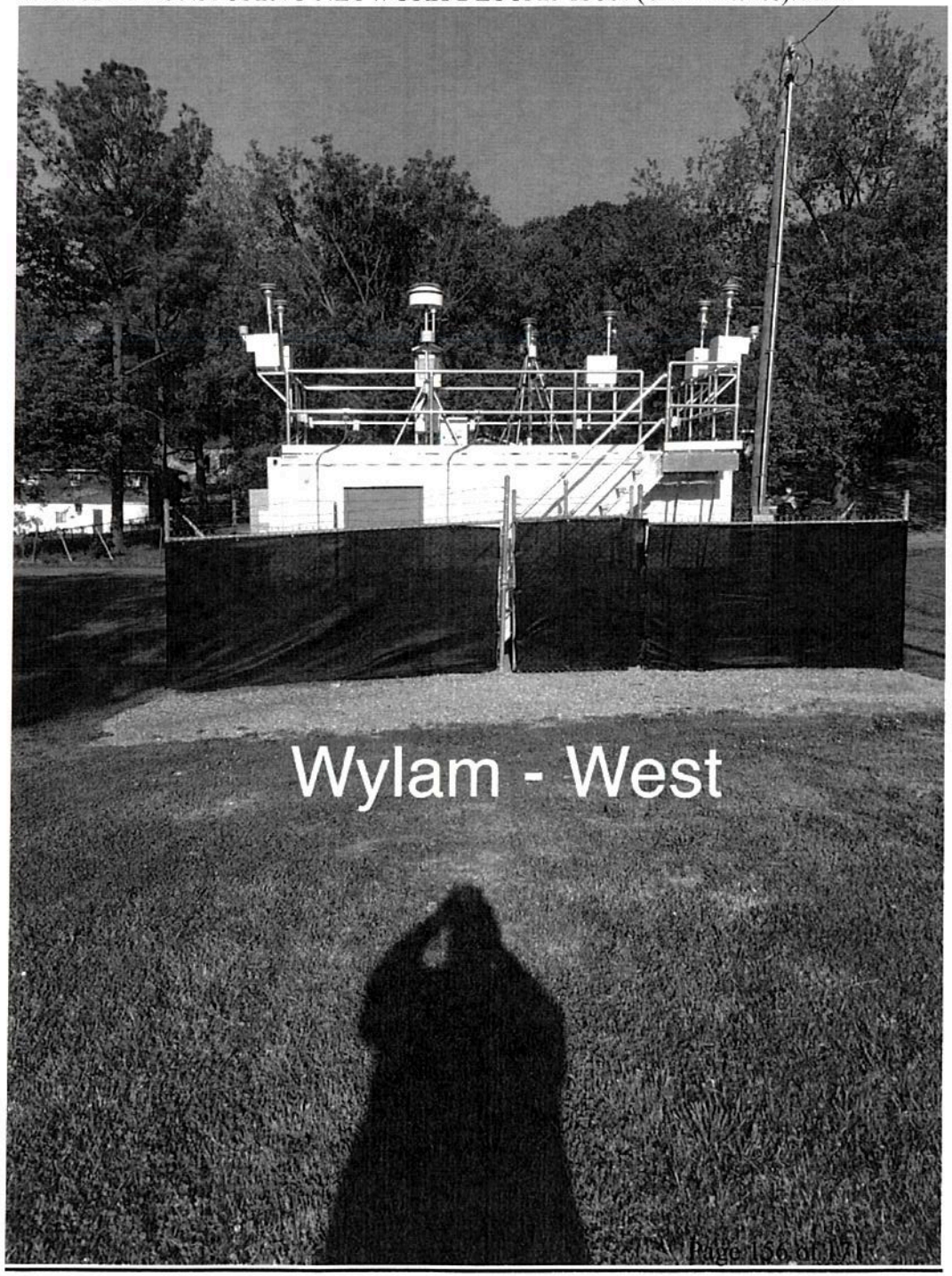
Wylam

0.25 mile radius


Wylam - East


Wylam - North


Wylam - South


Wylam - West

Pollutant	AQS Site ID	Address	Latitude Longitude	SCALE	Type	Monitoring objective	Began Sampling	Ended Sampling	METHOD	SCHEDULE	NAAQS	Comment
Low Vol PM10	01-073-2003	1242 Jersey Street	33.499722 -86.924167	N	S	High Population Exposure	01/01/03	Active	L	6	Y	*LC converted to STP*
Low Vol PM10				N	S	Collocated Sampler	01/01/03	Active	L	6	Y	*LC converted to STP*
Cont PM10				N	SPM	High Population Exposure	07/13/01	Active	T	C	Y	
PM2.5				N	S	High Population Exposure	01/01/99	Active	L	3	Y	
PM2.5				N	S	Collocated Sampler	01/01/99	Active	L	6	Y	
Cont PM2.5				N	SPM	High Population Exposure	07/13/01	Active	T	C	N	
PM2.5 SPECIATION				N	S	High Concentration	10/01/01	Active		6	N	*1 in 3 Alternate Schedule*

HDNREM

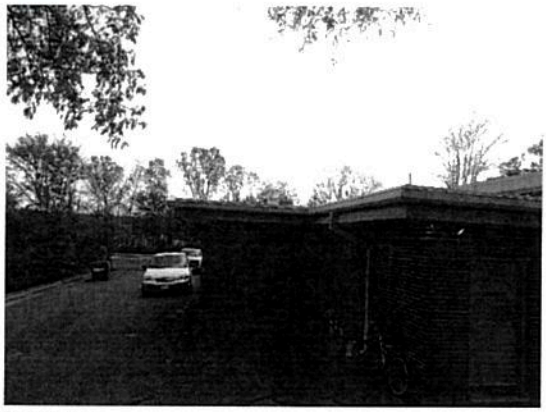
Fire Station #10 Site
5006 Pulaski Pike
Huntsville, Alabama 35810
Madison County

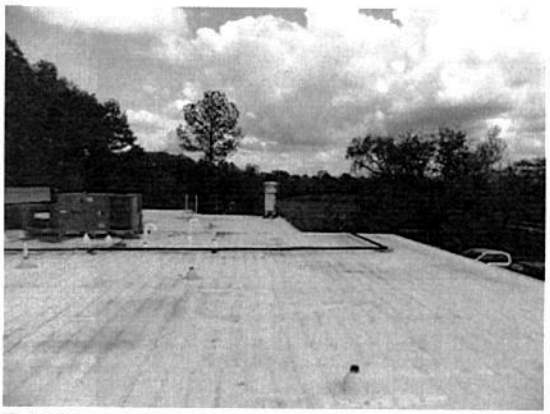
AQS Site ID: 01-089-0002
Latitude: 34.788333
Longitude: -86.616111

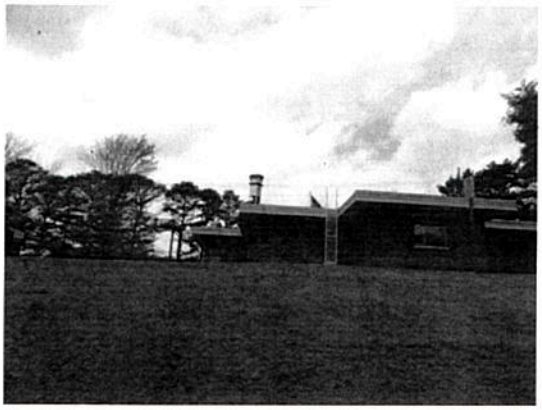
AERIAL PHOTOGRAPH ¼ mile radius

Pollutant	Scale	Type	Monitoring Objective/CBSA	Method	Schedule	NAAQS	Date Began	Date Ended	Comment
PM-10	N	S	Population	H	6	Y	1/1/1991	Active	

NORTH


SOUTH


EAST


WEST

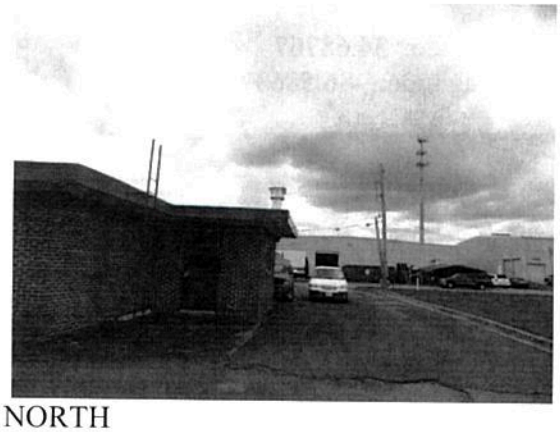
Pollutant	Distance between collocated inlets	Height Of inlet	Distance of probe or inlet from trees	Distance of probe or inlet from dripline of trees	Distance of probe or monitor from roadway (nearest pavement)	Type of ground cover around site	Probe material
PM-10	N/A	4.3m	24.4m	18.3m	30.5m	Asphalt Grass	N/A

11545 S. Memorial Parkway
Huntsville, Alabama 35803
Madison County

Latitude: 34.620278
Longitude: -86.566389

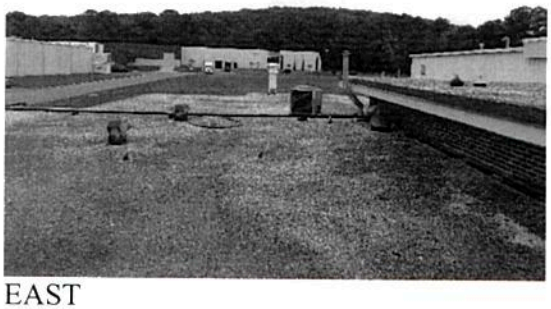
AERIAL PHOTOGRAPH ¼ mile radius

Pollutant	Scale	Type	Monitoring Objective/CBSA	Method	Schedule	NAAQS	Date Began	Date Ended	Comment
PM-10	M	S	High Concentration	H	6	Y	6/28/1990	Active	

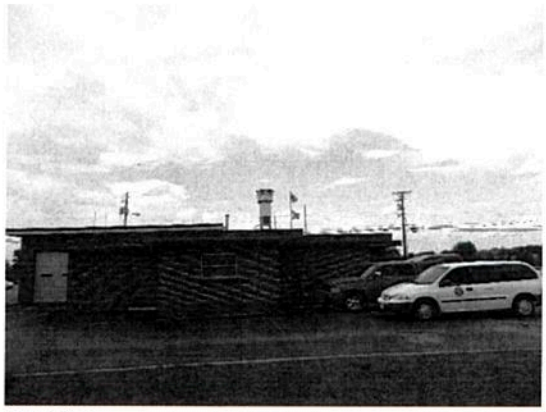


NORTH

SOUTH



EAST



WEST

Monitor	Distance between collocated inlets	Height of inlet	Distance of probe or inlet from trees	Distance of probe or inlet from dripline of trees	Distance of probe or monitor From roadway (nearest pavement)	Type of ground Cover Around site	Probe material
PM-10	N/A	4.3m	83.8m	77.7m	30.5m	Asphalt Grass	N/A

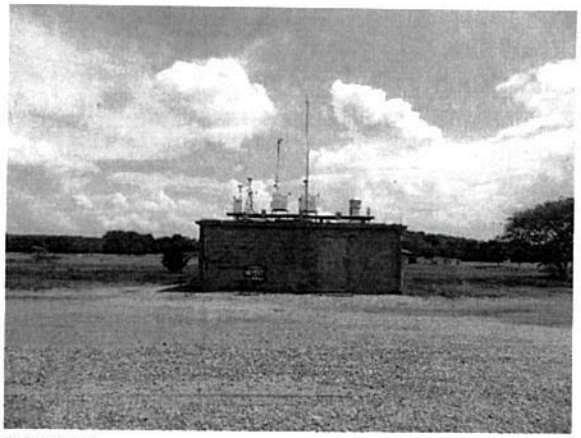
2201 John Hunt Park
Huntsville, Alabama 35805
Madison County

Latitude: 34.68767
Longitude: -86.58637

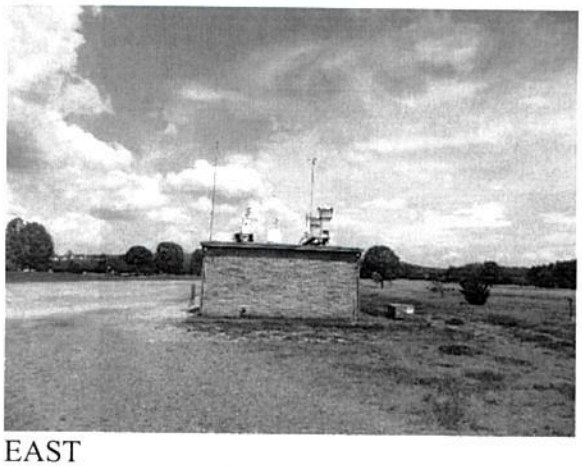
AERIAL PHOTOGRAPH ¼ mile radius

Pollutant	Scale	Type	Monitoring Objective/CBSA	Method	Schedule	NAAQS	Date Began	Date Ended	Comment
PM-10	U	S	Population	H	3	Y	7/01/1988	Active	
PM-10	U	S	Population	H	6	Y	7/01/1988	Active	Collocated
PM 2.5	U	S	Population	L	3	Y	1/01/1999	Active	
PM 2.5	U	S	Population	L	6	Y	1/01/1999	Active	Collocated
PM 2.5	U	S	Population	L		N	10/9/2003	Active	Continuous
Ozone	U	S	Population	UV		Y	1/01/1975	Active	Continuous

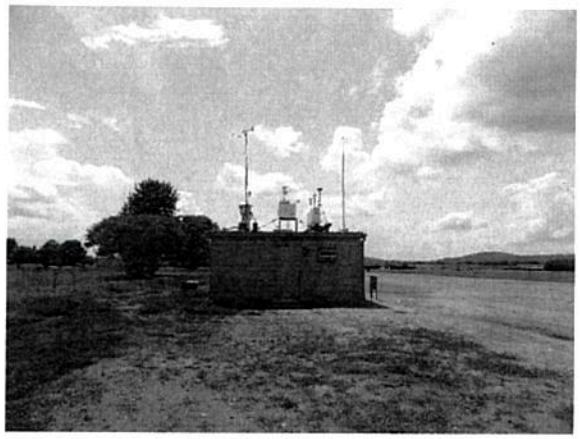
NORTH



SOUTH



EAST



WEST

Monitor	Distance between collocated inlets	Height of inlet	Distance of probe or inlet from trees	Distance of probe or inlet from dripline of trees	Distance of probe or monitor From roadway (nearest pavement)	Type of ground Cover Around site	Probe material
PM-10		4.3m	30.5m	24.4m	91m	Grass, Asphalt	N/A
PM-10	2m	4.3m	30.5m	24.4m	91m	Grass, Asphalt	N/A
R&P 2.5		4.3m	30.5m	24.4m	91m	Grass, Asphalt	N/A
R&P 2.5	2m	4.3m	30.5m	24.4m	91m	Grass, Asphalt	N/A
TEOM		4.5m	30.5m	24.4m	91m	Grass, Asphalt	Teflon
T400		4.5m	30.5m	24.4m	91m	Grass, Asphalt	Teflon

Capshaw Road Site
1130 Capshaw Road
Huntsville, Alabama 35757
Madison County

AQS Site ID: 01-089-0022
Latitude: 34.772727
Longitude: -86.756174

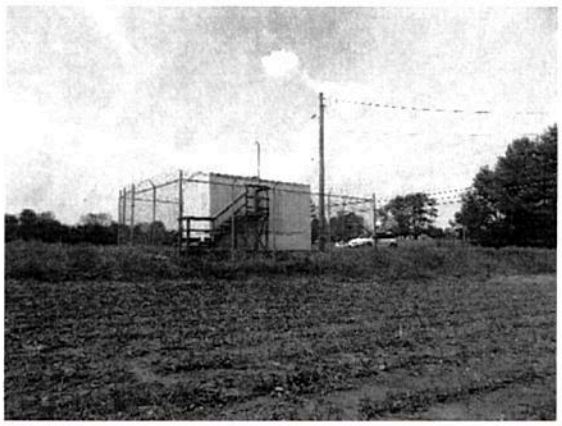
AERIAL PHOTOGRAPH ¼ mile radius

Pollutant	Scale	Type	Monitoring Objective/CBSA	Method	Schedule	NAAQS	Date Began	Date Ended	Comment
Ozone	U	S	Population Exposure	UV		Y	7/1/2011	Active	Continuous

NORTH

SOUTH

EAST



WEST

Monitor	Distance Between Collocated inlets	Height of inlet	Distance of probe or inlet from trees	Distance of probe or inlet from dripline of trees	Distance of probe or monitor From roadway (nearest pavement)	Type of ground Cover Around site	Probe Material
T400	N/A	4.0m	48.8m	45.7m	30m	Grass, Ag Field	Teflon

APPENDIX D

Maps

Figure 2 ADEM Monitoring Sites

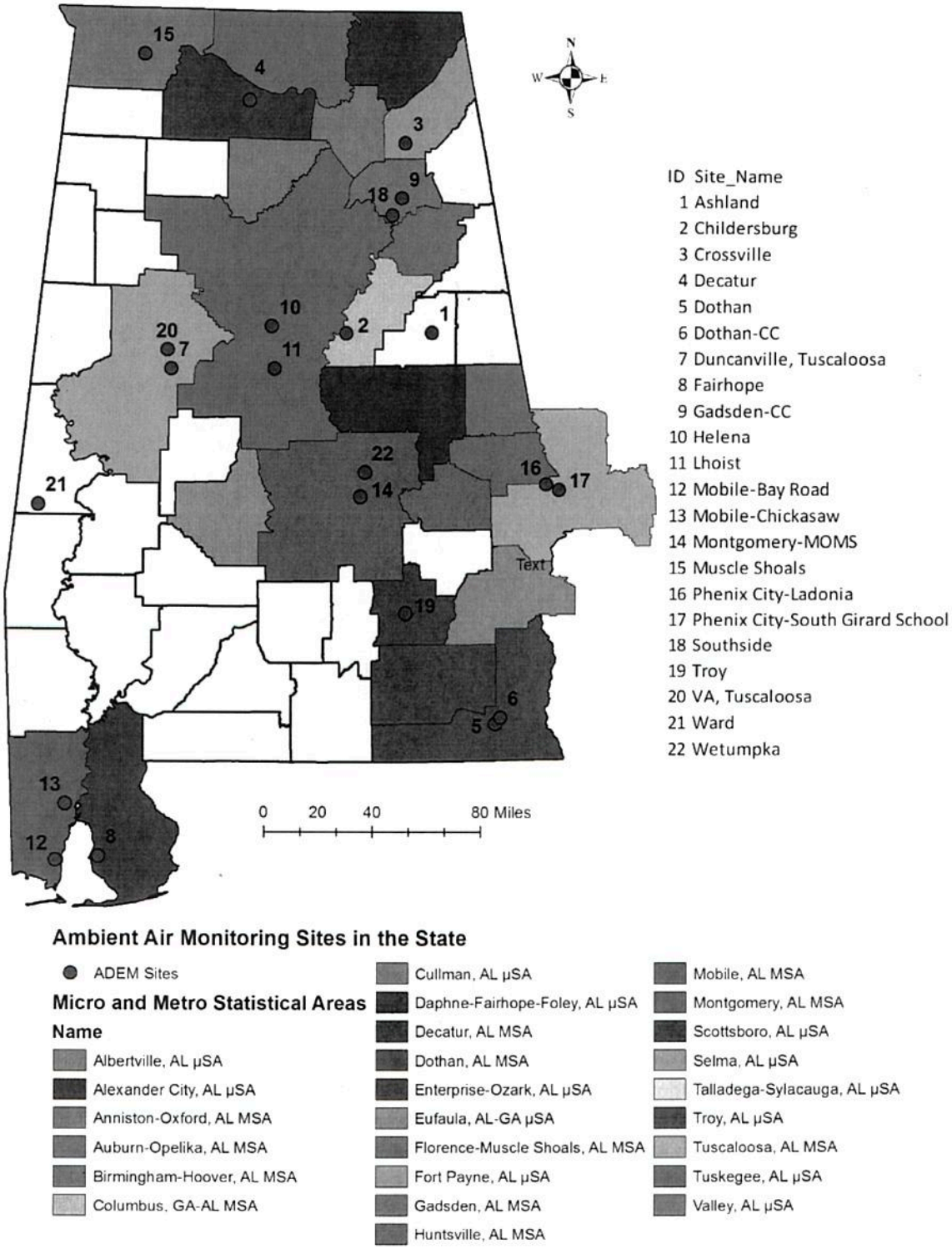
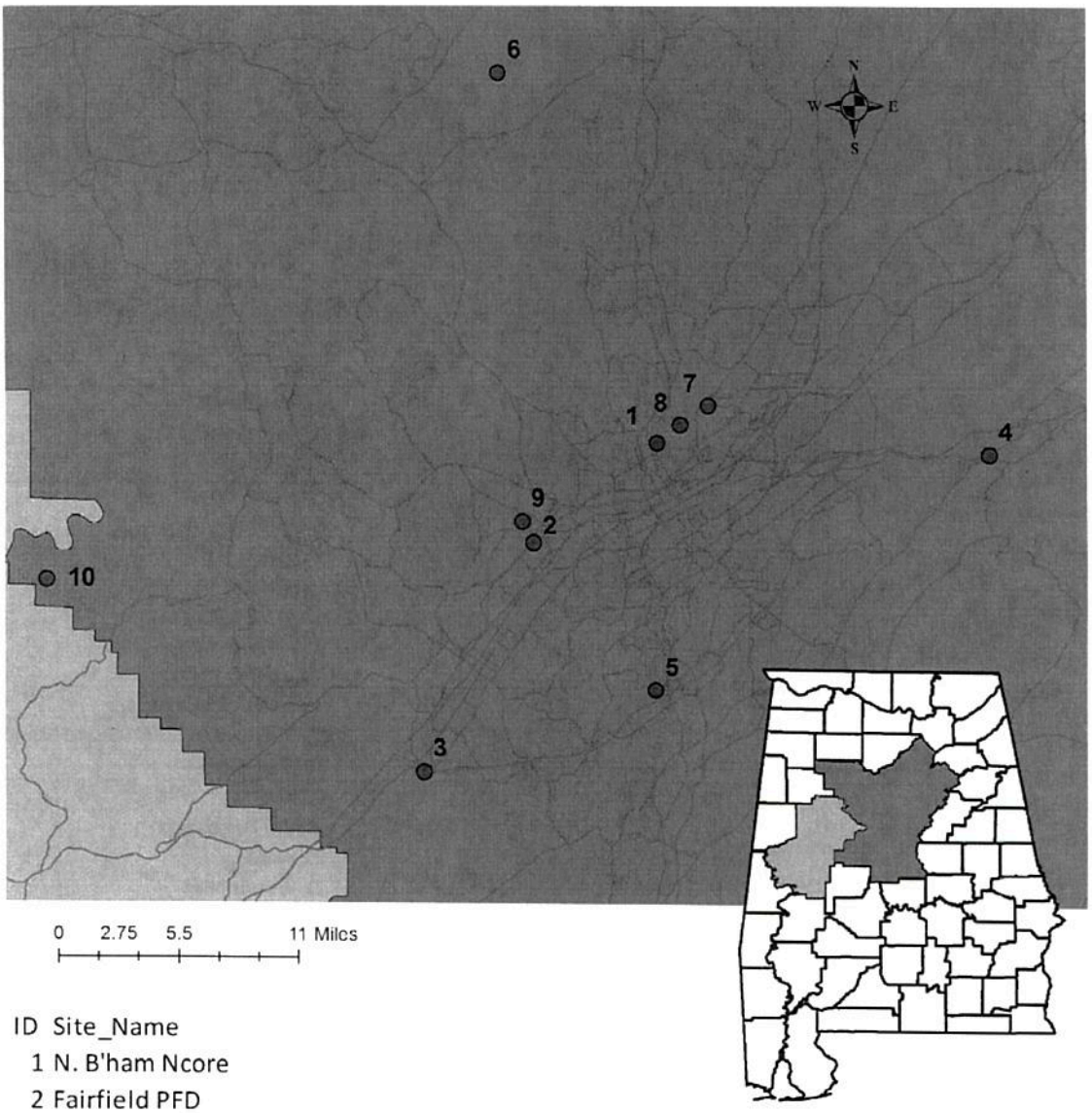


Figure 3 Jefferson County



ID	Site_Name
1	N. B'ham Ncore
2	Fairfield PFD
3	McAdory School
4	Leeds Elem. School
5	Hoover
6	Corner School
7	Tarrant Elem. School
8	Sloss Shuttlesworth
9	Wylam
10	Arkadelphia (Near Rd)

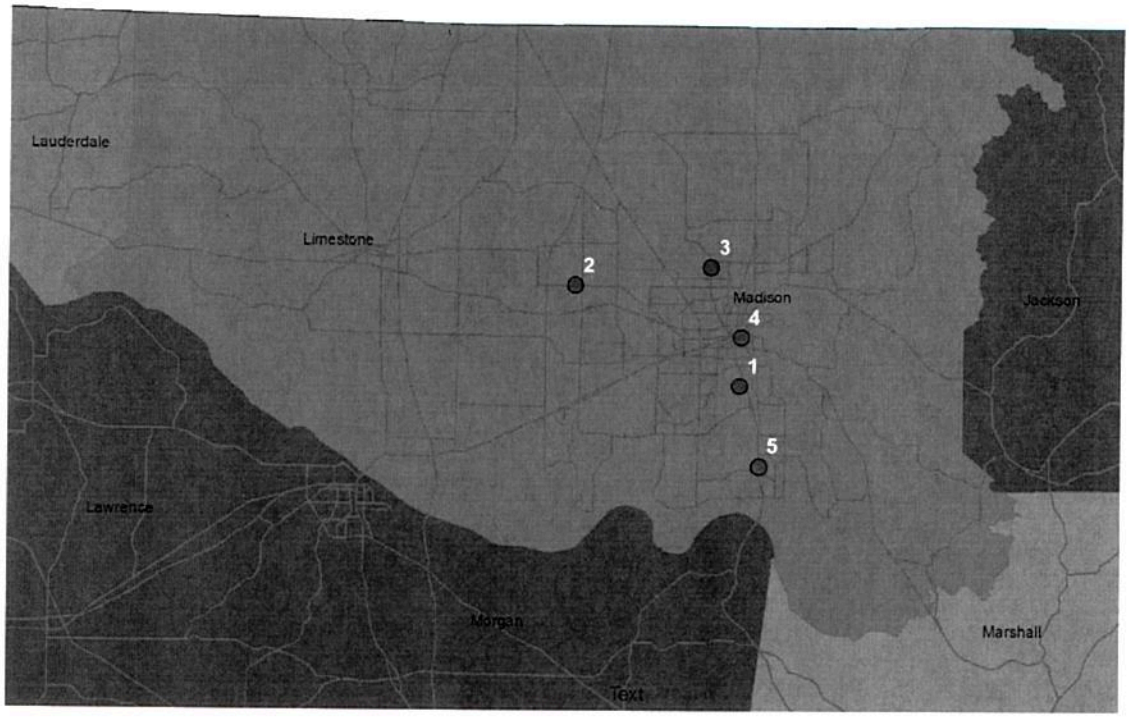
Ambient Air Monitoring Sites in the State

- JCDH Sites

Micro and Metro Statistical Areas

- Birmingham-Hoover, AL MSA
- Tuscaloosa, AL MSA

Figure 4 City of Huntsville



0 3.75 7.5 15 Miles

ID Site_Name
1 Old Airport
2 Capshaw Rd
3 Fire Station #10 (Pulaski Pike)
4 Madison Street Garage
5 Fire Station #7 (S. Memorial Pwy)

Ambient Air Monitoring Sites in the State

● HDNREM sites

Micro and Metro Statistical Areas

- Albertville, AL μSA
- Decatur, AL MSA
- Florence-Muscle Shoals, AL MSA
- Huntsville, AL MSA
- Scottsboro, AL μSA