Well No. WS-8 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Pad): ft amsl 431.63

Coordinates: N 864525.130

E 827434.856

1.86’

Protective Casing
Material Type: Aluminum
Diameter: 6 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): No

Depth

Surface Pad
Composition and Size: No well pad

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 4 in.
Total Depth (Ground surface to TOS): 3.3’

Annular Seal
Type: Unknown
Interval BGS: Unknown

3.4’

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 4 in.
Length: 12.6 ft
Slot Size and Type: ¼ in drilled round on four sides of pipe with approximately 12 in. vertical spacing.
Interval BGS: 3.3’ – 15.9’

16.0’

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-8 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-9	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
864406.938	827302.683	432.69
Total Depth (feet BTOC):	**Riser Height (feet above grade):**	**Water Level (feet BTOC):**
26.97	0.88	23.61
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	4	21.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/13/2004

Visual Observations:

- Well condition noted as poor
- No outer protective casing
- Well pad construction – 24 inch round concrete (loose)
- No guard posts in place
- Well needs numbering/labeling
- Loose concrete pad recommended to be replaced
- Rehabilitation not required

Video Observations:

- Beginning at 6 ft below top of casing, holes (approximately ¼ in. diameter) are present on the same side of the “screen”. Holes are spaced approximately 6 inches apart vertically to the bottom of the well.
- Wire mesh is visible on the outside of the casing covering the holes

Well No. WS-9 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Casing): ft amsl 432.69

Coordinates: N 864406.938
E 827302.684

0.88’

Depth

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): No
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 12-inch round concrete extended above ground

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 4 in.
Total Depth (Ground surface to TOS): 4.9’

Annular Seal
Type: Unknown
Interval BGS: Unknown

4.9’

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 4 in.
Length: 21.0 ft
Slot Size and Type: ¼ in drilled round on one side of pipe with approximately 6 in. vertical spacing.
Interval BGS: 4.9’ – 25.9’

25.9’

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-9 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-14	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 864942.682	E 827678.920	435.54
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
24.92	1.85	9.91
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/18/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 12 inch round concrete
- No guard posts in place
- Water-tight cap in place with dedicated bailer
- During redevelopment, well purged dry, small gravels present in bottom of well
- Rehabilitation and/or maintenance not required