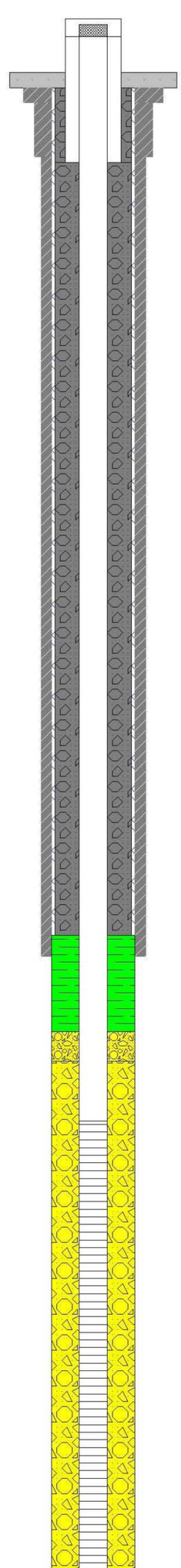


Client: Westinghouse Electric Company
 Location: Hematite, MO
 Project: Hematite Remedial Investigation
 Date Started: 08/04/04
 Date Finished: 08/11/04
 Geologist: J. Upcraft
 Drilling Contractor: Geotechnology

Boring: BR-3-JC

Drilling Method: Rotary
 Surf. Elev.: 418.11
 Northing: 863896.50
 Easting: 828126.60
 Total Depth of Boring: 49.5 feet
 Top of Casing: 420.58
 Total Depth of Well: 49.5 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
420	0					OVERBURDEN: not logged		Protective Casing (4") 2.0' x 2.0' x 0.5' Concrete Pad 2" Sch 80 PVC Riser 6" Steel Isolation Casing
415	5							High Solids Bentonite Grout (Tremied)
410	10							Portland Cement
405	15							High Solids Bentonite Grout (Tremied)
400	20							
395	24.0					Top of Bedrock 24.0'		
390	25	10.0/9.3	65			DOLOMITE: gray, hard, sandy		
385	30					DOLOMITE: gray, hard, silty, crystalline		0.25" Bentonite Pellets
380	35					DOLOMITE: gray, very hard, sandy, pitted, crystalline		Secondary Filter Pack (100 Mesh)
375	40	10.0/10.0	85					Primary Filter Pack (10/20 Mesh)
370	45	5.5/5.5	95					2" Sch. 80 PVC Screen, 0.010" Slot
370	49.5					Bottom of Hole 49.5'		Bottom of Well 49.5'



Westinghouse

Westinghouse Electric Company
 Hematite Facility
 3300 State Road P
 Festus, MO 63028



SAIC
 8421 St. John Industrial Drive
 St. Louis, Missouri

Client: Westinghouse Electric Company
 Project: Hematite Remedial Investigation
 Location: Hematite, MO
 Borehole: BR-3-JC
 Sheet: 1 of 1

Client: Westinghouse Electric Company
 Location: Hematite, MO
 Project: Hematite Remedial Investigation
 Date Started: 07/28/04
 Date Finished: 08/06/04
 Geologist: J. Bostwick
 Drilling Contractor: Geotechnology

Boring: BR-5-JC

Drilling Method: Rotary
 Surf. Elev.: 436.60
 Northing: 866396.77
 Easting: 828849.90
 Total Depth of Boring: 139.0 feet
 Top of Casing: 439.28
 Total Depth of Well: 137.9 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
436.60	0					Lithology taken from BR-5-RB FILL: DGA		Protective Casing (4") 2.0' x 2.0' x 0.5' Concrete Pad
435	1					CLAY: brown to reddish brown, plastic, damp, medium stiff, trace of roots		2" Sch 80 PVC Riser
430	5					CLAY: with silt, brown, plastic, moist, medium stiff		6" Steel Isolation Casing
425	10					CLAY: brown, plastic, damp to moist, stiff		Portland Cement
420	15					CLAY: gray, plastic, damp to moist, stiff, trace of gravel at 13.5', moist to wet at 16.0'		High Solids Bentonite Grout (Tremied)
415	20					CLAY: brown, plastic, wet		
410	25					CLAY: reddish brown plastic, wet		
405	30					SAND: brown to light brown, non-plastic, wet, medium density with silt		
400	35					CHERTY GRAVEL: light brown to brown, hard, non-plastic, wet, with medium sand, trace clay		High Solids Bentonite Grout (Tremied)
395	40					DOLOMITE: gray, hard, fine grained, slightly weathered along bedding planes		
390	45					DOLOMITE: gray, hard, sandy, pitted/vuggy		

Overburden: Drilled without sampling
 10" air rotary to 59.0'
 6" air rotary to 139.0'



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 Hematite Facility
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SAIC
 An Employee-Owned Company
 8421 St. John Industrial Drive
 St. Louis, Missouri

Client: Westinghouse Electric Company
 Project: Hematite Remedial Investigation
 Location: Hematite, MO
 Borehole: BR-5-JC
 Sheet: 1 of 3

Client: Westinghouse Electric Company
 Location: Hematite, MO
 Project: Hematite Remedial Investigation
 Date Started: 07/28/04
 Date Finished: 08/06/04
 Geologist: J. Bostwick
 Drilling Contractor: Geotechnology

Boring: BR-5-JC

Drilling Method: Rotary
 Surf. Elev.: 436.60
 Northing: 866396.77
 Easting: 828849.90
 Total Depth of Boring: 139.0 feet
 Top of Casing: 439.28
 Total Depth of Well: 137.9 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
50								
385								
55								
380								
60						DOLOMITE: gray, very hard, silty		High Solids Bentonite Grout (Tremied)
375						DOLOMITE: gray, very hard, silty to sandy, crystalline, pitted/vuggy chert 78.1-78.6'		
65								
370								
70								
365								
75								
360								
80						DOLOMITE: gray, hard, micritic w/wavy green/gray shale laminae		
355								
85						DOLOMITE: gray, hard, sandy, pitted/vuggy, slightly weathered along bedding planes		High Solids Bentonite Grout (Tremied)
350								
90								
345								
95						DOLOMITE: gray, very hard, fine grained with gray shale laminae sand lenses 108.2-110.5' chert 111.7-112.0'		
340								
100								



Westinghouse

Westinghouse Electric Company
 Hematite Facility
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 Festus, MO 63028



SAIC
 8421 St. John Industrial Drive
 St. Louis, Missouri

Client: Westinghouse Electric Company
 Project: Hematite Remedial Investigation
 Location: Hematite, MO
 Borehole: BR-5-JC
 Sheet: 2 of 3

Client: Westinghouse Electric Company
 Location: Hematite, MO
 Project: Hematite Remedial Investigation
 Date Started: 07/28/04
 Date Finished: 08/06/04
 Geologist: J. Bostwick
 Drilling Contractor: Geotechnology

Boring: BR-5-JC

Drilling Method: Rotary
 Surf. Elev.: 436.60
 Northing: 866396.77
 Easting: 828849.90
 Total Depth of Boring: 139.0 feet
 Top of Casing: 439.28
 Total Depth of Well: 137.9 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
100								
335								
105								
330								
110								0.25" Bentonite Pellets
325								Secondary Filter Pack (100 Mesh)
115								Primary Filter Pack (10/20 Mesh)
320								2" Sch. 80 PVC Screen, 0.010" Slot
120								
315								
125						DOLOMITE: gray, very hard, sandy, turbid, cherty		
310						DOLOMITE: gray, very hard, micritic w/wavy gray shale laminae		
130						DOLOMITE: gray, very hard, silty, crystalline		
305								
135						SANDSTONE: (QUARTZ ARENITE), gray, very hard, crystalline, calcareous		
300						DOLOMITE: gray, very hard, sandy, pitted		
140						DOLOMITE: gray, hard, silty w/wavy gray/black shale laminae		
295								
145								
290								
150								
						Bottom of Hole 139.0'		Bottom of Well 137.9'



Westinghouse

Westinghouse Electric Company
 Hematite Facility
 3300 State Road P
 Festus, MO 63028



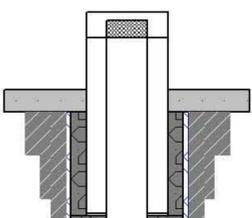
SAIC
 8421 St. John Industrial Drive
 St. Louis, Missouri

Client: Westinghouse Electric Company
 Project: Hematite Remedial Investigation
 Location: Hematite, MO
 Borehole: BR-5-JC
 Sheet: 3 of 3

Client: Westinghouse Electric Company
 Location: Hematite, MO
 Project: Hematite Remedial Investigation
 Date Started: 07/01/04
 Date Finished: 08/10/04
 Geologist: J. Bostwick
 Drilling Contractor: Geotechnology

Boring: BR-7-JC

Drilling Method: Rotary
 Surf. Elev.: 476.76
 Northing: 864147.10
 Easting: 829606.27
 Total Depth of Boring: 150.0 feet
 Top of Casing: 479.27
 Total Depth of Well: 150.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
475	0					Lithology taken from BR-7-RB		Protective Casing (4") 2.0' x 2.0' x 0.5' Concrete Pad
475	0				GRAVEL			2" Sch 80 PVC Riser
	3.0					Top of Bedrock 3.0'		
	3.0				DOLOMITE	brown, hard, micritic, weathered		
	5.0				DOLOMITE	gray/brown, hard, sandy, slightly weathered		
	10.0				DOLOMITE	brown/gray, hard, micritic, slightly weathered w/wavy black shale laminae		6" Steel Isolation Casing
	20.0				DOLOMITE	brown/gray, very hard, sandy, slightly weathered		Portland Cement
	24.7				SANDSTONE	brown/gray, hard, crystalline, slightly weathered		
	25.0				chert	247-25.0'		
	30.0				DOLOMITE	brown/gray, hard, micritic, slightly weathered		High Solids Bentonite Grout (Tremied)
	35.0				DOLOMITE	brown/gray, hard, micritic, slightly weathered		
	40.0				DOLOMITE	brown/gray, very hard, sandy		
	45.0							
	50.0							



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SAIC
 8421 St. John Industrial Drive
 St. Louis, Missouri

Client: Westinghouse Electric Company
 Project: Hematite Remedial Investigation
 Location: Hematite, MO
 Borehole: BR-7-JC
 Sheet: 1 of 3