





Boring ID: **APET0100**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268243.90</b>	Easting (ft): <b>1788942.36</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1A</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>11:50</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>11:55</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1A for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous, contains plant roots [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:55 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
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						7								
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LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0101**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268252.21</b>	Easting (ft): <b>1788930.08</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1A</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>11:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>11:10</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1A for lithology]					
	S S			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, micaceous, contains plant roots [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 11:00 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0102**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268239.20</b>	Easting (ft): <b>1788915.59</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1A</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>11:30</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>11:45</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1A for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:45 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
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						9								
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0400**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268446.38</b>	Easting (ft): <b>1789316.70</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>12:55</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:05</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.0		0.5		SM	Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]			10	70	20
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:05 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						2								
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0401**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268435.59</b>	Easting (ft): <b>1789299.72</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>12:20</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>12:30</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]		10	70	20	
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:30 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0402**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268434.99</b>	Easting (ft): <b>1789322.20</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>13:10</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:15</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.0		0.5		SM	Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]			10	70	20
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:15 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						2								
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0403**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268436.48</b>	Easting (ft): <b>1789332.23</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>13:05</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:10</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.0		0.5		SM	Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]			10	70	20
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:10 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						2								
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

LOG OF BORING - OUTFALL009 - ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0404**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268439.20</b>	Easting (ft): <b>1789344.99</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>12:50</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>12:55</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.1		1		SM	Silty Sand, very dark brown (10YR 2/2), loose, moist, trace clay, micaceous [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:55 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
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LOG OF BORING - OUTFALL009 - ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11





Boring ID: **APET0405**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268423.80</b>	Easting (ft): <b>1789298.50</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>12:05</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>12:20</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	S S			0.1		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001SP at 12:20 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0406**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268420.33</b>	Easting (ft): <b>1789316.10</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>10:40</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>10:50</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s s			0.0		1.5 - 2.0		SM	Silty Sand, very dark brown (10YR 2/2), loose, moist, trace clay, micaceous [Alluvium]			10	70	20
						2.0			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 10:50 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0407**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268419.76</b>	Easting (ft): <b>1789334.52</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>12:30</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>12:35</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]		10	70	20	
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:35 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0408**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268409.27</b>	Easting (ft): <b>1789321.60</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>10:50</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>10:55</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s s			0.0		1 2		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]		10	70	20	
						2 3 4 5 6 7 8 9 10			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 10:55 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					



LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0409**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268405.08</b>	Easting (ft): <b>1789326.33</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>12:40</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>12:50</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]		10	70	20	
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:50 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0410**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268409.27</b>	Easting (ft): <b>1789321.60</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>11-08-2010</b>	Start Time: <b>13:30</b>	Logged By: <b>N. Beaty</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>11-08-2010</b>	Finish Time: <b>13:40</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>N. Beaty</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
				0.1		3		SM	Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, contains mica [Alluvium]			5	75	20
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 13:40 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009 - ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0411**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268434.99</b>	Easting (ft): <b>1789322.20</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1D</b>
Drill Start Date: <b>11-08-2010</b>	Start Time: <b>13:45</b>	Logged By: <b>N. Beaty</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>11-08-2010</b>	Finish Time: <b>13:55</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>N. Beaty</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1D for lithology]					
	s			0.2		2		SM	Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, contains mica [Alluvium]			5	75	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:55 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING - OUTFALL009 - ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0600**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268547.01</b>	Easting (ft): <b>1789834.76</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>10:25</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>10:27</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	S S			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, micaceous, contains plant roots [Alluvium]		10	70	20	
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 10:27 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11







Boring ID: **APET0601**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268535.27</b>	Easting (ft): <b>1789824.89</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>13:30</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:35</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]			tr	80	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:35 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0602**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268537.53</b>	Easting (ft): <b>1789806.69</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>13:20</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:25</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	S S			0.0		1		SM	Silty Sand, dark yellowish brown (10YR 3/4), loose, moist, micaceous [Alluvium]			tr	80	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and D001 at 13:25 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
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						10								



LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0603**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268518.65</b>	Easting (ft): <b>1789814.63</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>13:35</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:40</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]			tr	80	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:40 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
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

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0604**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268527.89</b>	Easting (ft): <b>1789800.47</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>13:40</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>13:45</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	s			0.0		1		SM	Silty Sand, dark brown (10YR 3/3), loose, moist, trace clay, micaceous [Alluvium]			tr	80	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:45 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0605**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268529.46</b>	Easting (ft): <b>1789795.58</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>10:20</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>10:25</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	S S			0.0		1		SM	Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]			tr	80	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 10:25 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								


LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0606**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268517.38</b>	Easting (ft): <b>1789797.75</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>10-18-2010</b>	Start Time: <b>10:30</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>10-18-2010</b>	Finish Time: <b>10:35</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>S. Aichner</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	S S			0.0		1		SM	Silty Sand, dark yellowish brown (10YR 3/4), loose, moist, micaceous, contains plant roots [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 10:35 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **APET0607**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, NASA Property</b>	
Northing (ft): <b>268518.65</b>	Easting (ft): <b>1789814.63</b>	Job Number: <b>1008209</b>	Site: <b>AP/STP-1F</b>
Drill Start Date: <b>11-08-2010</b>	Start Time: <b>13:10</b>	Logged By: <b>N. Beaty</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>11-08-2010</b>	Finish Time: <b>13:25</b>	Drilling Contractor: <b>Jacob &amp; Hefner Assoc.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>N. Beaty</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-AP/STP-1F for lithology]					
	S S			0.2		2		SM	Silty Sand, dark yellowish brown (10YR 4/4), medium dense, dry, contains mica [Alluvium]			5	75	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001-RWQCB at 13:25 from excavation floor. Excavation re-contoured without backfill on 11-29-2010 and 11-30-2010.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010 NASA.GPJ BOEING.GDT 3/25/11



Boring ID: **B1ET0100**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269107.49</b>	Easting (ft): <b>1796941.42</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>11:36</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>11:48</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
	s			0.0		1		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:48 from excavation floor. Excavation backfilled on 11-01-2010.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11





Boring ID: **B1ET0101**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269104.53</b>	Easting (ft): <b>1796955.37</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>09-01-2010</b>	Start Time: <b>08:24</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-01-2010</b>	Finish Time: <b>08:36</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
				0.1		2		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:36 from excavation floor. Excavation backfilled on 11-01-2010.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0102**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269112.35</b>	Easting (ft): <b>1796913.86</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>09-01-2010</b>	Start Time: <b>08:38</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-01-2010</b>	Finish Time: <b>08:49</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
				0.0		3		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:49 from excavation floor. Excavation backfilled on 11-01-2010.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0103**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269083.17</b>	Easting (ft): <b>1796890.78</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>09-01-2010</b>	Start Time: <b>09:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-01-2010</b>	Finish Time: <b>09:16</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
				0.1		3		SM	Silty Sand, yellowish brown (10YR 5/6), loose, dry, micaceous [Alluvium]		10	70	20	
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:16 from excavation floor. Excavation backfilled on 11-01-2010.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0104**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269066.07</b>	Easting (ft): <b>1796877.31</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>09-01-2010</b>	Start Time: <b>09:48</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-01-2010</b>	Finish Time: <b>10:09</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
	s			0.0		3		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]		10	70	20	
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:09 from excavation floor. Excavation backfilled on 11-01-2010.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0105**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269117.22</b>	Easting (ft): <b>1796925.92</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>09-01-2010</b>	Start Time: <b>10:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-01-2010</b>	Finish Time: <b>10:16</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
				0.2		3		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001SP at 10:16 from excavation floor. Excavation backfilled on 11-01-2010.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0106**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269103.09</b>	Easting (ft): <b>1796907.69</b>	Job Number: <b>1008208</b>	Site: <b>B1-1A Area</b>
Drill Start Date: <b>09-01-2010</b>	Start Time: <b>10:18</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-01-2010</b>	Finish Time: <b>10:21</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1A for lithology]					
				0.1		3		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]		10	70	20	
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:21 from excavation floor. Excavation backfilled on 11-01-2010.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0200**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269040.82</b>	Easting (ft): <b>1797080.65</b>	Job Number: <b>1008208</b>	Site: <b>B1-1C Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>11:03</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>11:19</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1C for lithology]					
				0.1		2		SM	Silty Sand, dark yellowish brown (10YR 3/4), loose, dry, micaceous [Alluvium]			10	70	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:19 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0201**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeig Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269047.26</b>	Easting (ft): <b>1797079.96</b>	Job Number: <b>1008208</b>	Site: <b>B1-1C Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>15:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>15:11</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Native soil and alluvium</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1C for lithology]					
	s			0.1		0.5		SM	Silty Sand, dark yellowish brown (10YR 3/4), loose, dry, micaceous [Alluvium]			tr	80	20
						1			Total Depth = 1.0 ft. Collected soil sample S001 at 15:11 from excavation sidewall. Excavation recontoured 11-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11





Boring ID: **B1ET0300**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>6.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268911.87</b>	Easting (ft): <b>1797158.96</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>09:57</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>10:09</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 5.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
						5.5		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						6			Total Depth = 6.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:09 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ BOEING.GDT 2/21/11



Boring ID: **B1ET0301**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268948.44</b>	Easting (ft): <b>1797152.80</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>10:20</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>10:25</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.0		2		SM	Silty Sand, brown (10YR 4/3), loose, dry, micaceous [Alluvium]				80	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:25 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0302**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269070.60</b>	Easting (ft): <b>1797178.69</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>10:33</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>10:40</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		2		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]			10	70	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:40 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0303**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269003.70</b>	Easting (ft): <b>1797104.76</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>10:46</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>10:57</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.0		2		SM	Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:57 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0304**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268934.14</b>	Easting (ft): <b>1797139.98</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>10:18</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>10:24</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
	s			0.0		0.5		SM	Silty Sand, brown (10YR 4/3), loose, dry, micaceous [Alluvium]				80	20
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:24 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0305**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>6.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268906.18</b>	Easting (ft): <b>1797146.08</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>09:48</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>09:57</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 5.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.0		5.5		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						6			Total Depth = 6.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:57 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ BOEING.GDT 2/21/11



Boring ID: **B1ET0306**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>6.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268918.94</b>	Easting (ft): <b>1797153.01</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>10:06</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>10:11</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 5.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		5.5		SM	Silty Sand, brownish yellow (10YR 6/6), loose, dry, micaceous [Alluvium]			10	70	20
						6			Total Depth = 6.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:11 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0307**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>6.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268936.02</b>	Easting (ft): <b>1797160.57</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>10:32</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>10:38</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 5.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		5.5		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]			10	70	20
						6			Total Depth = 6.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:38 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ BOEING.GDT 2/21/11





Boring ID: **B1ET0308**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>5.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268958.15</b>	Easting (ft): <b>1797166.50</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>10:41</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>10:59</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 4.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.0		4.5		SM	Silty Sand, yellowish brown (10YR 5/6), loose, dry, micaceous [Alluvium]				80	20
						5			Total Depth = 5.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:59 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0309**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>6.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268944.97</b>	Easting (ft): <b>1797178.73</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>12:09</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>12:18</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 6 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		6		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						7			Total Depth = 6.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:18 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0310**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268979.43</b>	Easting (ft): <b>1797189.50</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>12:28</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>12:32</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
	s			0.1		3		SM	Silty Sand, brownish yellow (10YR 6/6), loose, dry, micaceous [Alluvium]				80	20
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:32 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0311**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268997.45</b>	Easting (ft): <b>1797189.84</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>12:36</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>12:41</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		3		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous [Alluvium]		10	70	20	
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:41 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0312**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269007.45</b>	Easting (ft): <b>1797205.93</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>12:43</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>12:54</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		3		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:54 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0313**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269022.42</b>	Easting (ft): <b>1797212.46</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-27-2010</b>	Start Time: <b>12:56</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-27-2010</b>	Finish Time: <b>13:03</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 2.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		2.5		SM	Silty Sand, brown (10YR 4/3), loose, dry, micaceous [Alluvium]			10	70	20
						3			Total Depth = 3.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:03 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0314**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>5.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269071.92</b>	Easting (ft): <b>1797226.87</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>08:16</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>08:21</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		5		SM	Silty Sand, dark brown (10YR 3/3), loose, dry, micaceous [Alluvium]				70	30
						6			Total Depth = 5.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:21 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0315**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269063.23</b>	Easting (ft): <b>1797210.65</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>08:25</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>08:33</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
				0.2		0			[See Trench Log ISRA-B1-1D for lithology]					
	s					2		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 3.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:33 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11







Boring ID: **B1ET0316**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269054.14</b>	Easting (ft): <b>1797169.30</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>08:56</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>09:06</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
	s			0.1		2		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and S001SP at 09:06 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0317**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>4.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269040.28</b>	Easting (ft): <b>1797154.06</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>09:18</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>09:25</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 3.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		3.5		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						4			Total Depth = 4.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:25 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0318**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>4.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269029.05</b>	Easting (ft): <b>1797136.23</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>09:26</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>09:38</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		3.5		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						4			Total Depth = 4.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:38 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0319**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>5.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269009.81</b>	Easting (ft): <b>1797129.83</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>09:42</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>09:56</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		5		SM	Silty Sand, brownish yellow (10YR 6/6), loose, dry, micaceous [Alluvium]		10	70	20	
						6			Total Depth = 5.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:56 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0320**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268992.80</b>	Easting (ft): <b>1797114.96</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>10:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>10:11</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		2		SM	Silty Sand, yellow (10YR 7/6), loose, dry, micaceous [Alluvium]			10	70	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:11 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0321**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>4.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268968.82</b>	Easting (ft): <b>1797102.12</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>10:23</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>10:31</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 4 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		4		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]			10	70	20
						5			Total Depth = 4.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:31 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0322**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268956.57</b>	Easting (ft): <b>1797089.12</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>10:38</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>10:46</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		2		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]	10	10	60	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:46 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0323**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268969.48</b>	Easting (ft): <b>1797081.62</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>10:43</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>10:58</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		2		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:58 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11





Boring ID: **B1ET0324**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>268983.99</b>	Easting (ft): <b>1797099.49</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>11:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>11:10</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.1		2		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous [Alluvium]	10	10	60	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:10 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0325**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269016.75</b>	Easting (ft): <b>1797102.92</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>13:23</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>13:30</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Native soil and alluvium</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
	s			0.1		0.5		SM	Silty Sand, dark yellowish brown (10YR 4/4), loose, dry, micaceous [Alluvium]			10	70	20
						1			Total Depth = 1.0 ft. Collected soil sample S001 at 13:30 from excavation sidewall. Excavation recontoured 11-03-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0326**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269021.04</b>	Easting (ft): <b>1797117.76</b>	Job Number: <b>1008208</b>	Site: <b>B1-1D Area</b>
Drill Start Date: <b>08-30-2010</b>	Start Time: <b>13:38</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-30-2010</b>	Finish Time: <b>13:43</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1D for lithology]					
				0.2		3		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous [Alluvium]	10	10	60	20	
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:43 from excavation floor. Excavation recontoured 11-03-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0400**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269130.87</b>	Easting (ft): <b>1797095.94</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-26-2010</b>	Start Time: <b>11:23</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-26-2010</b>	Finish Time: <b>11:32</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.1		2		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:32 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0401**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269072.56</b>	Easting (ft): <b>1797088.41</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>08:08</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>08:14</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>



Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.1		2		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]			10	70	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:14 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0402**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269087.57</b>	Easting (ft): <b>1797074.90</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>08:17</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>08:26</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	S			0.0		1		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						2			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:26 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0403**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269101.17</b>	Easting (ft): <b>1797096.34</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>08:32</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>08:40</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.1		2		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:40 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0404**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269109.12</b>	Easting (ft): <b>1797108.60</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>08:46</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>08:52</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.2		1.5 - 2.0		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	10	10	60	20	
						2			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 08:52 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11





Boring ID: **B1ET0405**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269134.30</b>	Easting (ft): <b>1797125.13</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>08:52</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>09:04</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>



Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.2		1.5 - 2.0		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous [Alluvium]	10	10	60	20	
						2			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:04 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0406**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269123.07</b>	Easting (ft): <b>1797119.22</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>09:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>09:15</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
				0.0		0			[See Trench Log ISRA-B1-1B for lithology]					
	s					1.5 - 2.0		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	70	20	
						2.0			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:15 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0407**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>4.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269169.14</b>	Easting (ft): <b>1797094.85</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>09:23</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>09:31</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.1		3.5		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	10	60	20
						4			Total Depth = 4.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:31 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0408**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>4.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269186.99</b>	Easting (ft): <b>1797087.92</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>09:36</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>09:41</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.1		3.5		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	10	60	20
						4			Total Depth = 4.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 09:41 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0409**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269148.58</b>	Easting (ft): <b>1797101.77</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>09:46</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>09:53</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 2.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.2		2.5		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	70	20	
						3			Total Depth = 3.0 ft; terminated prior to refusal on bedrock. Collected soil samples S001 and duplicate D001 at 09:53 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0410**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269211.62</b>	Easting (ft): <b>1797085.42</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>10:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>10:11</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.2		2		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	10	60	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:11 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0411**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269208.81</b>	Easting (ft): <b>1797063.93</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>10:15</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>10:22</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.1		0.5		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous, trace fine sandstone and shale gravel [Alluvium]	tr	10	10	60	20
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:22 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0412**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269181.97</b>	Easting (ft): <b>1797066.37</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>10:26</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>10:38</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
				0.1		0			[See Trench Log ISRA-B1-1B for lithology]					
	s					0.5 - 1.0		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	10	60	20
						1.0			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:38 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11







Boring ID: **B1ET0413**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269164.93</b>	Easting (ft): <b>1797062.62</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>10:39</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>10:49</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
				0.0		0			[See Trench Log ISRA-B1-1B for lithology]					
	s					0.5		GM	Silty Gravel, light yellowish brown (10YR 6/4), loose, dry, fine angular shale gravel, micaceous [Alluvium]	70		10	20	
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:49 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0414**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269167.86</b>	Easting (ft): <b>1797078.06</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>10:54</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>11:03</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>



Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.1		1		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	10	60	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:03 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0415**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269146.33</b>	Easting (ft): <b>1797064.42</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>11:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>11:16</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 1 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>



Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.1		1		GM	Silty Gravel with Sand, very pale brown (10YR 7/4), loose, dry, fine sandstone gravel, micaceous [Alluvium]	60	10	10	20	
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:16 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0416**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269125.12</b>	Easting (ft): <b>1797063.43</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>12:26</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>12:30</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 0.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.1		0.5		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr		10	70	20
						1			Total Depth = 1.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:30 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						2								
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0417**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269141.13</b>	Easting (ft): <b>1797085.34</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>12:46</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>12:52</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.0		1.5 - 2.0		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	10	60	20
						2.0			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:52 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0418**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269155.55</b>	Easting (ft): <b>1797119.74</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>12:58</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>13:09</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
				0.1		3		SM	Silty Sand, light yellowish brown (10YR 6/4), loose, dry, micaceous, trace fine sandstone gravel [Alluvium]	tr	10	70	20	
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:09 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0419**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269178.47</b>	Easting (ft): <b>1797112.39</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>13:14</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>13:28</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>



Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	s			0.1		3		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous, trace fine gravel [Alluvium]	tr	10	10	60	20
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:28 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0420**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269196.83</b>	Easting (ft): <b>1797111.19</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>14:00</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>14:17</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	
Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>		Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>		Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	S			0.1		1.5 - 2.0		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous [Alluvium]	10	10	60	20	
						2			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 14:17 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11





Boring ID: **B1ET0421**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.0</b>	Project: <b>Outfall 009 Boeing Area 2010 ISRA Implementation</b>	
Northing (ft): <b>269221.40</b>	Easting (ft): <b>1797112.80</b>	Job Number: <b>1008208</b>	Site: <b>B1-1B Area</b>
Drill Start Date: <b>08-31-2010</b>	Start Time: <b>14:21</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>08-31-2010</b>	Finish Time: <b>14:31</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium overexcavated to approx. 1.5 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Grab sample retained in 6-inch stainless steel sleeve</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-1B for lithology]					
	S			0.1		1.5 - 2.0		SM	Silty Sand, very pale brown (10YR 7/4), loose, dry, micaceous [Alluvium]			20	60	20
						2			Total Depth = 2.0 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 14:31 from excavation floor. Excavation recontoured 11-2010 without backfill.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 2/21/11



Boring ID: **B1ET0500**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269291.53</b>	Easting (ft): <b>1796946.14</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>10:39</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>10:50</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.1		2		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	20	60	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 10:50 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010.GPJ BOEING.GDT 3/25/11



Boring ID: **B1ET0501**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269253.64</b>	Easting (ft): <b>1796907.10</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>11:03</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>11:19</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.1		2		SM	Silty Sand, brown (10YR 4/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	20	60	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:19 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11



Boring ID: **B1ET0502**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269303.01</b>	Easting (ft): <b>1796868.51</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>11:23</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>11:31</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.2		2		SM	Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	10	70	20	
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:31 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11



Boring ID: **B1ET0503**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269285.10</b>	Easting (ft): <b>1796849.99</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>11:36</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>11:44</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.1		2		SM	Silty Sand, brown (10YR 4/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	10	20	50	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 11:44 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11



Boring ID: **B1ET0503A**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>3.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269285.10</b>	Easting (ft): <b>1796849.99</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>11-15-2010</b>	Start Time: <b>NR</b>	Logged By: <b>N. Beaty</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>11-15-2010</b>	Finish Time: <b>12:50</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>J. Ortiz</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 3 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.1		3		SM	Silty Sand, yellowish brown (10YR 5/4), medium dense, dry, slightly indurated [Alluvium]			15	70	15
						4			Total Depth = 3.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:50 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11



Boring ID: **B1ET0504**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269196.10</b>	Easting (ft): <b>1796838.85</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>12:16</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>12:28</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.1		2		SM	Silty Sand, brown (10YR 4/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	10	20	50	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:28 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11



Boring ID: **B1ET0505**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269202.85</b>	Easting (ft): <b>1796785.59</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>12:33</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>12:41</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.2		2		SM	Silty Sand, yellowish brown (10YR 5/4), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	10	20	50	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 12:41 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11





Boring ID: **B1ET0506**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>2.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269155.06</b>	Easting (ft): <b>1796895.73</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>14:21</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>14:30</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 2 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
				0.3		2		SM	Silty Sand, brown (10YR 4/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	10	20	50	20
						3			Total Depth = 2.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 14:30 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						4								
						5								
						6								
						7								
						8								
						9								
						10								



LOG OF BORING: OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11



Boring ID: **B1ET0507**

Borehole Diam. (in.): <b>2</b>	Total Depth (ft): <b>1.5</b>	Project: <b>ISRA Confirmation Sampling 2010, Outfall 009, Boeing Property</b>	
Northing (ft): <b>269314.16</b>	Easting (ft): <b>1796802.26</b>	Job Number: <b>1008208</b>	Site: <b>B1-2</b>
Drill Start Date: <b>09-23-2010</b>	Start Time: <b>13:05</b>	Logged By: <b>S. Aichner</b>	Reviewed By: <b>M. Milman-Barris, P.G.</b>
Drill Finish Date: <b>09-23-2010</b>	Finish Time: <b>13:22</b>	Drilling Contractor: <b>MP Environmental Svcs.</b>	Field Instrumentation: <b>PID</b>
Depth 1st H <sub>2</sub> O (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Drill Rig Type/Method: <b>Grab (hand sampling)</b>	
Depth H <sub>2</sub> O After Drilling (ft): <b>N/A</b>	Date / Time: <b>N/A</b>	Driller's Name: <b>A. Vann</b>	

Comments: <b>Surface soil and alluvium excavated to approx. 1 ft</b>	Well Comp. Date: <b>N/A</b>	Completion Time: <b>N/A</b>
Samplers: <b>Sample retained in 6-inch stainless steel sleeve / Encores</b>	Soil Backfill Date: <b>N/A</b>	Backfill Time: <b>N/A</b>

Sample Interval Retained	Sample Type	Recovery (%)	Blow Count/6"	PID (ppm)	Water Level	Depth (feet)	Graphic Log	USCS Soil Classification	Description	Est. % of Soil				
										Gravel	Coarse Sand	Med. Sand	Fine Sand	Silt/Clay
						0			[See Trench Log ISRA-B1-2 for lithology]					
	s			0.1		1		SM	Silty Sand, brown (10YR 5/3), loose, dry, trace fine sandstone gravel, micaceous [Alluvium]	tr	10	20	50	20
						2			Total Depth = 1.5 ft; terminated prior to refusal on bedrock. Collected soil sample S001 at 13:22 from excavation floor. Excavation backfilled 01-12-2011 - 01-31-2011.					
						3								
						4								
						5								
						6								
						7								
						8								
						9								
						10								

LOG OF BORING - OUTFALL009\_ISRA-2010.GPJ\_BOEING.GDT 3/25/11