

APPENDIX A
DRILLING LOGS
AND
WELL COMPLETION REPORTS

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-1 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1** BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			SAND AND COARSE SAND gray; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1131 PZ-1@ 0-1'			14.1		<p>Riser set 0-2' bgs. Bentonite to Surface</p> <p>Screened 2'-10' bgs</p>
			SAND WITH GRAVEL , gray; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; poorly graded		1132 PZ-1@ 1-2'			62.6		
			SAND WITH SILT ; black; coarse-grained; non plastic; dry; moderate petroleum odor; no staining; subangular; poorly graded		1133 PZ-1@ 2-3'			54.6		
			SAND WITH SILT ; black; fine-grained; non plastic; dry; moderate petroleum odor; no staining; subangular; poorly graded		1134 PZ-1@ 3-4'			102		
			SILT WITH SAND ; black; fine-grained; non plastic; moist; moderate petroleum odor; no staining; subangular; poorly graded		1135 PZ-1@ 4-5'			124		
5			SILT AND SAND ; black; fine-grained; non plastic; saturated; strong petroleum odor; no staining; subangular; poorly graded		1136 PZ-1@ 5-6'			50.2	5	
			SAND ; brown; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subangular; poorly graded		1137 PZ-1@ 6-7'			91		
			SAND ; brown; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1138 Sample held by SECOR	1		174		
			SAND AND SILT ; gray brown; coarse-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1139 PZ-1@ 8-9'			104		
			SAND AND SILT ; gray brown; coarse-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1140 PZ-1@ 9-10'			162		
1140 10			Hole terminated at 10 feet.						10	

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-3 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1** BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL AND COARSE SAND ; gray; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1141 PZ-3@ 0-1'			42.1		<p>Riser set 0-2' bgs. Bentonite to Surface</p> <p>Screened 2'-10' bgs</p>
			SAND WITH COARSE GRAVEL ; gray; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1142 PZ-3@ 1-2'			43.8		
			GRAVEL WITH SILT ; gray; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1143 PZ-3@ 2-3'			53.6		
			SAND WITH SILT ; brown; medium-grained; non plastic; moist; slight petroleum odor; no staining; subrounded; well graded		1144 PZ-3@ 3-4'			49.0		
			SILT AND GRAVEL ; brown; non plastic; saturated; moderate petroleum odor; no staining; subrounded; well graded		1145 PZ-3@ 4-5'			130		
5			SILT WITH SAND ; brown; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1146 PZ-3@ 5-6'			76	5	
			SILT WITH SAND ; brown; non plastic; saturated; slight petroleum odor; no staining; subrounded; well graded		1147 PZ-3@ 6-7'			284		
			SILT WITH SAND ; brown; non plastic; saturated; moderate petroleum odor; no staining; subrounded; well graded		1148 PZ-3@ 7-8'			112		
			SAND WITH SILT ; brown; non plastic; saturated; moderate petroleum odor; no staining; subrounded; well graded		1149 PZ-3@ 8-9'			96		
			SAND WITH SILT ; brown; non plastic; saturated; moderate petroleum odor; no staining; subrounded; well graded		1150 Sample held by SECOR	1		287		
1150 10			Hole terminated at 10 feet.						10	

GEO FORM 304 AMTRAK MH-14 PZ 1-10.GPJ SECOR INTL.GDT 9/19/07

PROJECT: AMTRAK Wheel Shop Investigation LOCATION: 4001 Vandever Avenue, Wilmington, DE. PROJECT NUMBER:	WELL / PROBEHOLE / BOREHOLE NO: <div style="text-align: center; font-size: 1.2em; font-weight: bold;">PZ-4</div> PAGE 1 OF 1 <div style="text-align: right; font-size: 0.8em;"> </div>
DRILLING: STARTED 6/15/07 COMPLETED: 6/15/07 INSTALLATION: STARTED 6/15/07 COMPLETED: 6/15/07 DRILLING COMPANY: JCAA DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: SAMPLING EQUIPMENT:	NORTHING (ft): LATITUDE: GROUND ELEV (ft): INITIAL DTW (ft): NE STATIC DTW (ft): NE WELL CASING DIAMETER (in): 1 LOGGED BY: JB
	EASTING (ft): LONGITUDE: TOC ELEV (ft): BOREHOLE DEPTH (ft): 10.0 WELL DEPTH (ft): 10.0 BOREHOLE DIAMETER (in): 2 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH COARSE SAND gray; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; poorly graded		1216 PZ-4@ 0-1'			70.7		
			SILT WITH FINE SAND , black to brown; fine-grained; non plastic; dry; slight petroleum odor; no staining; subrounded; well graded		1217 PZ-4@ 1-2'			92.7		Riser set 0-2' bgs. Bentonite to Surface
			SAND WITH SILT ; black to brown; medium-grained; non plastic; dry; slight petroleum odor; no staining; subrounded; well graded		1218 PZ-4@ 2-3'			55.9		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; dry; strong petroleum odor; no staining; subrounded; well graded		1219 PZ-4@ 3-4'			120		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; moist; strong petroleum odor; no staining; subrounded; well graded		1220 Sample held by SECOR	1		173		
5			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1221 PZ-4@ 5-6'			51.3		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1222 PZ-4@ 6-7'			117		Screened 2'-10' bgs
			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1223 PZ-4@ 7-8'			53.8		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1224 PZ-4@ 8-9'			68.8		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1225 PZ-4@ 9-10'			110		
1155 10			Hole terminated at 10 feet.						10	

GEO FORM 304 AMTRAK MH-14 PZ 1-10.GPJ SECOR INTL GDT 9/19/07

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-5 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1** BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH COARSE SAND TRACE SILT ; gray; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1146 PZ-5@ 0-1'			35.3		Riser set 0-2' bgs. Bentonite to Surface
			GRAVEL WITH COARSE SAND TRACE SILT ; gray; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; poorly graded		1147 PZ-5@ 1-2'			34.6		
			SILT WITH COARSE GRAVEL ; gray; non plastic; dry; slight petroleum odor; no staining; angular; poorly graded		1148 PZ-5@ 2-3'			52		
			SILT WITH SAND ; gray to brown; non plastic; dry; slight petroleum odor; no staining; subrounded; well graded		1149 PZ-5@ 3-4'			135		
			SAND TRACE SILT ; gray to brown; medium-grained; non plastic; dry; strong petroleum odor; no staining; subrounded; well graded		1150 Sample held by SECOR	1		220		
5			SILT WITH SAND TRACE GRAVEL ; gray to brown; medium-grained; non plastic; moist; strong petroleum odor; no staining; subrounded; well graded		1151 PZ-5@ 5-6'			51.9	5	Screened 2'-10' bgs
			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1152 PZ-5@ 6-7'			100		
			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1153 PZ-5@ 7-8'			63		
			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1154 PZ-5@ 8-9'			107		
			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1155 PZ-5@ 9-10'			112		
1200 10			Hole terminated at 10 feet.						10	

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-6 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft):
 EASTING (ft):
 LATITUDE:
 LONGITUDE:
 GROUND ELEV (ft):
 TOC ELEV (ft):
 INITIAL DTW (ft): **NE**
 BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE**
 WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1**
 BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH COARSE SAND gray to brown; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1156 PZ-6@ 0-1'			22		<p>Riser set 0-2' bgs. Bentonite to Surface</p> <p>Screened 2'-10' bgs</p>
			SAND AND COARSE SAND black to brown; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1157 PZ-6@ 1-2'			43		
			SAND AND SILT ; brown; medium-grained; non plastic; dry; no odor; no staining; subrounded; well graded		1158 PZ-6@ 2-3'			21.6		
			SAND AND SILT ; brown; medium-grained; non plastic; dry; slight petroleum odor; no staining; subrounded; well graded		1159 PZ-6@ 3-4'			35.1		
			SILT WITH SAND ; gray to brown; medium-grained; non plastic; moist; strong petroleum odor; no staining; subrounded; well graded		1200 Sample held by SECOR	1		229		
5			SAND WITH SILT ; brown to black; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1201 PZ-6@ 5-6'			173	5	
			SAND WITH SILT ; black; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1202 PZ-6@ 6-7'			159		
			SAND WITH SILT ; black; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1203 PZ-6@ 7-8'			204		
			SAND WITH SILT ; black; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1204 PZ-6@ 8-9'			115		
			SAND WITH SILT ; black; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1205 PZ-6@ 9-10'			144		
1205 10			Hole terminated at 10 feet.						10	

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-7 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1** BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH SAND ; gray to brown; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; well graded		1201 PZ-7@ 0-1'			46.6		<p>Riser set 0-2' bgs. Bentonite to Surface</p> <p>Screened 2'-10' bgs</p>
			SAND WITH SILT ; black to brown; medium-grained; non plastic; dry; slight petroleum odor; no staining; subrounded; well graded		1202 PZ-7@ 1-2'			85		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; moist; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1203 Sample held by SECOR	1		214		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1204 PZ-7@ 3-4'			174		
			SAND WITH SILT ; black to brown; medium-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subrounded; well graded		1205 PZ-7@ 4-5'			178		
5			SAND AND GRAVEL ; black; coarse-grained; non plastic; saturated; strong petroleum odor; hydrocarbon staining; subangular; well graded		1206 PZ-7@ 5-6'			110		
			SAND WITH GRAVEL ; black to brown; coarse-grained; non plastic; saturated; no odor; no staining; angular; poorly graded		1207 PZ-7@ 6-7'			177		
			CLAY ; gray; high plasticity; dense to stiff; saturated; no odor; no staining; well graded		1208 PZ-7@ 7-8'			189		
			CLAY ; gray; high plasticity; dense to stiff; saturated; no odor; no staining; well graded		1209 PZ-7@ 8-9'			52		
			CLAY ; gray; high plasticity; dense to stiff; saturated; no odor; no staining; well graded		1210 PZ-7@ 9-10'			29		
1210 10			Hole terminated at 10 feet.						10	

GEO FORM 304 AMTRAK MH-14 PZ 1-10.GPJ SECOR INTL_GDT 9/19/07

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-8 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **NE**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **1**
 LOGGED BY: **JB**
 EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **10.0**
 WELL DEPTH (ft): **10.0**
 BOREHOLE DIAMETER (in): **2**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH COARSE SAND gray to brown; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; poorly graded		1206 PZ-8@ 0-1'			46		Riser set 0-2' bgs. Bentonite to Surface
			SAND AND COARSE GRAVEL brown; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; poorly graded		1207 PZ-8@ 1-2'			76		
			SAND WITH SILT ; brown; medium-grained; non plastic; moist; strong petroleum odor; no staining; subrounded; well graded		1208 PZ-8@ 2-3'	1		184		
			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1209 PZ-8@ 3-4'			156		
			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1210 PZ-8@ 4-5'			74		
5			SAND WITH SILT ; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1211 PZ-8@ 5-6'			239	5	
			GRAVEL WITH SILT ; gray; non plastic; saturated; strong petroleum odor; no staining; subangular; well graded		1212 Sample held by SECOR			273		Screened 2'-10' bgs
			CLAY WITH SILT ; brown; high plasticity; dense to stiff; saturated; no odor; no staining; well graded		1213 PZ-8@ 7-8'			100		
			CLAY WITH SILT ; brown; high plasticity; dense to stiff; saturated; no odor; no staining; well graded		1214 PZ-8@ 8-9'			22.5		
			CLAY WITH SILT ; brown; high plasticity; dense to stiff; saturated; no odor; no staining; well graded		1215 PZ-8@ 9-10'			39.6		
1215 10			Hole terminated at 10 feet.						10	

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-9 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1** BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH COARSE SAND; gray to brown; coarse-grained; non plastic; dry; no odor; no staining; subangular; poorly graded		1211 PZ-9@ 0-1'			29.2		
			SAND WITH COARSE GRAVEL; brown; coarse-grained; non plastic; dry; slight petroleum odor; no staining; subangular; poorly graded		1212 PZ-9@ 1-2'			61		
			SAND TRACE SILT; brown; medium-grained; non plastic; moist; strong petroleum odor; no staining; subrounded; well graded		1213 Sample held by SECOR	1		213		
			SAND AND SILT; brown; medium-grained; non plastic; saturated; strong petroleum odor; no staining; subrounded; well graded		1214 PZ-9@ 3-4'			160		
			SILTY CLAY; gray; non plastic; dense to stiff; saturated; strong petroleum odor; no staining; subrounded; well graded		1215 PZ-9@ 4-5'			59.6		
5			SILT; brown to black; non plastic; dense to stiff; saturated; strong petroleum odor; no staining; subrounded; well graded		1216 PZ-9@ 5-6'			113		
			SILT; brown; non plastic; dense to stiff; saturated; strong petroleum odor; no staining; well graded		1217 PZ-9@ 6-7'			46		
			SILT; brown; non plastic; dense to stiff; saturated; slight petroleum odor; no staining; well graded		1218 PZ-9@ 7-8'			22		
			SILT; brown; non plastic; dense to stiff; saturated; no odor; no staining; well graded		1219 PZ-9@ 8-9'			16		
			SILT; brown; non plastic; dense to stiff; saturated; no odor; no staining; well graded		1220 PZ-9@ 9-10'			16		
1220 10			Hole terminated at 10 feet.					10		

PROJECT: **AMTRAK Wheel Shop Investigation**
 LOCATION: **4001 Vandever Avenue, Wilmington, DE.**
 PROJECT NUMBER:

WELL / PROBEHOLE / BOREHOLE NO:

PZ-10 PAGE 1 OF 1



DRILLING: STARTED **6/15/07** COMPLETED: **6/15/07**
 INSTALLATION: STARTED **6/15/07** COMPLETED: **6/15/07**
 DRILLING COMPANY: **JCAA**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD:
 SAMPLING EQUIPMENT:

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **NE** WELL DEPTH (ft): **10.0**
 WELL CASING DIAMETER (in): **1** BOREHOLE DIAMETER (in): **2**
 LOGGED BY: **JB** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL WITH COARSE SAND gray brown; non plastic; dry; no odor; no staining; subangular; poorly graded		1216 PZ-10@ 0-1'			18.3		<p>Riser set 0-2' bgs. Bentonite to Surface</p> <p>Screened 2'-10' bgs</p>
			SANDY SILT ; brown to black; non plastic; dry; strong petroleum odor; no staining		1217 PZ-10@ 1-2'			20.4		
			SANDY SILT ; black; non plastic; dry; strong petroleum odor; no staining		1218 PZ-10@ 2-3'			113		
			SANDY SILT ; black; non plastic; moist; strong petroleum odor; no staining		1219 PZ-10@ 3-4'			144		
			SANDY SILT ; black with brown; non plastic; wet; strong petroleum odor; no staining		1220 Sample held by SECOR	1		208		
5			SILT WITH GRAVEL ; black brown; non plastic; wet; slight petroleum odor; no staining		1221 PZ-10@ 5-6'			27.6	5	
			SILT WITH GRAVEL ; black brown; non plastic; wet; no odor; no staining		1222 PZ-10@ 6-7'			12.2		
			SILT WITH GRAVEL ; brown; non plastic; wet; no odor; no staining		1223 PZ-10@ 7-8'			4.8		
			SAND WITH SILT ; brown; medium-grained; non plastic; wet; strong petroleum odor; no staining		1224 PZ-10@ 8-9'			130		
			SAND WITH SILT ; brown; medium-grained; non plastic; wet; strong petroleum odor; no staining		1225 PZ-10@ 9-10'			30.7		
1225 10			Hole terminated at 10 feet.						10	

MAIL TO:
 WATER SUPPLY SECTION
 DIVISION OF WATER RESOURCES
 89 KINGS HIGHWAY
 DOVER, DELAWARE 19901

STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
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WELL COMPLETION REPORT
 MUST BE RETURNED WITHIN 30
 DAYS OF CONSTRUCTION. A
 WELL FORMATION LOG MUST BE
 INCLUDED WITH THIS REPORT.

WELL COMPLETION REPORT

-Authorization Number-

PHONE: 302-739-9944
 FAX: 302-739-7764

20081

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: W-10-01 Local ID: E-1
 Tax Map/Parcel #: 236 010 00 004
 Property Owner: AMTRAK
 Water Well Contractor: _____ WC Lic #: 1939
 Well Driller in Charge during Construction: 401121101

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): Drill
 Total Depth of Excavation: 12'
 Construction Date: 1-12-07

CASING INSTALLATION:

INNER CASING

CASING TOP: 0'
 CASING BOTTOM: 2'
 CASING DIAMETER: 14"
 CASING MATERIAL: PVC

OUTER CASING

	(1)	(2)	(3)
CASING TOP:	_____	_____	_____
CASING BOTTOM:	_____	_____	_____
CASING DIAMETER:	_____	_____	_____
CASING MATERIAL:	_____	_____	_____

SCREEN INSTALLATION

SCREEN TOP: 4'
 SCREEN BOTTOM: 10'
 SCREEN DIAMETER: 14"
 SCREEN MATERIAL: PVC
 SCREEN SLOT SIZE: 30 /THOUSANDS
 GRAVEL PACK SIZE: 20

Gravel Pack From: 1 ft. To: 10 ft.
 Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
 Type of Non-Grout backfill of Well Annulus: NA
 From: _____ To: _____
 Static Water Level: 7 ft. Below OR Above Ground Surface
 On (date): 1-17-07
 Pumping Water Level: NA ft. On (date): _____
 After: _____ hrs. Pumping at: _____ GPM
 Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: Drill

Well Head Completed: 0 inches Above (OR) Below Ground Surface

Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

WELL TAGS PLACED IN WELL
WELL HEAD COMPLETE

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

5025 4-2-07
 License # Date

MAIL TO:
 WATER SUPPLY SECTION
 DIVISION OF WATER RESOURCES
 89 KINGS HIGHWAY
 DOVER, DELAWARE 19901

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WELL COMPLETION REPORT
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WELL COMPLETION REPORT

-Authorization Number-

5328

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 911630 Local ID: 0112
 Tax Map/Parcel #: 011-030-22-204
 Property Owner: 1111-1111
 Water Well Contractor: 1111-1111 WC Lic #: 1111
 Well Driller in Charge during Construction: 1111-1111

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): Drill Pipe
 Total Depth of Excavation: 1111
 Construction Date: 11-11-11

CASING INSTALLATION:

INNER CASING

CASING TOP: 0'
 CASING BOTTOM: 2'
 CASING DIAMETER: 1"
 CASING MATERIAL: PVC

OUTER CASING

	(1)	(2)	(3)
CASING TOP:			
CASING BOTTOM:			
CASING DIAMETER:			
CASING MATERIAL:			

SCREEN INSTALLATION

SCREEN TOP: 1'
 SCREEN BOTTOM: 12'
 SCREEN DIAMETER: 1"
 SCREEN MATERIAL: PVC
 SCREEN SLOT SIZE: 150 /THOUSANDS
 GRAVEL PACK SIZE: 20

Gravel Pack From: 1 ft. To: 11 ft.
 Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
 Type of Non-Grout backfill of Well Annulus: NA
 From: _____ To: _____
 Static Water Level: 7 ft. Below OR Above Ground Surface
 On (date): 11-11-11
 Pumping Water Level: NA ft. On (date): _____
 After: _____ hrs. Pumping at: _____ GPM
 Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: _____

Well Head Completed: 5 inches Above (OR) Below Ground Surface
 Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

1111-1111
 License # 5328 Date 11/11/11

MAIL TO:
 WATER SUPPLY SECTION
 DIVISION OF WATER RESOURCES
 89 KINGS HIGHWAY
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WELL COMPLETION REPORT
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WELL COMPLETION REPORT

-Authorization Number-

551251

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED
 PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 219021 Local ID: 003
 Tax Map/Parcel #: 22-1-00-100-2014
 Property Owner: ...
 Water Well Contractor: ... WC Lic #: ...
 Well Driller in Charge during Construction: ...

WELL CONSTRUCTION METHOD
 Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): ...
 Total Depth of Excavation: ...
 Construction Date: ...

CASING INSTALLATION: INNER CASING
 CASING TOP: ...
 CASING BOTTOM: ...
 CASING DIAMETER: ...
 CASING MATERIAL: ...

SCREEN INSTALLATION
 SCREEN TOP: ...
 SCREEN BOTTOM: ...
 SCREEN DIAMETER: ...
 SCREEN MATERIAL: ...

OUTER CASING
 (1) (2) (3)
 CASING TOP: _____
 CASING BOTTOM: _____
 CASING DIAMETER: _____
 CASING MATERIAL: _____

SCREEN SLOT SIZE: ... / THOUSANDS
 GRAVEL PACK SIZE: ...

Gravel Pack From: ... ft. To: ... ft.
 Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
 Type of Non-Grout backfill of Well Annulus: NA
 From: _____ To: _____
 Static Water Level: ... ft. Below OR Above Ground Surface
 On (date): ...
 Pumping Water Level: ... ft. On (date): _____
 After: _____ hrs. Pumping at: _____ GPM
 Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:
 Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: ...

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Well Head Completed: ... inches Above (OR) Below Ground Surface
 Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

Signature - Well Driller in Charge of Well Construction

 License # _____ Date _____

MAIL TO:
WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

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WELL COMPLETION REPORT
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PHONE: 302-739-9944
FAX: 302-739-7764

WELL COMPLETION REPORT

-Authorization Number-

0850051

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 291602 Local ID: 674
Tax Map/Parcel #: 124-233-07
Property Owner: A. MARK
Water Well Contractor: ... WC Lic #: ...
Well Driller in Charge during Construction: ...

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): D. ...
Total Depth of Excavation: ...
Construction Date: ...

CASING INSTALLATION:

INNER CASING

CASING TOP: ...
CASING BOTTOM: ...
CASING DIAMETER: ...
CASING MATERIAL: ...

SCREEN INSTALLATION

SCREEN TOP: ...
SCREEN BOTTOM: ...
SCREEN DIAMETER: ...
SCREEN MATERIAL: ...

OUTER CASING

(1) (2) (3)
CASING TOP: _____
CASING BOTTOM: _____
CASING DIAMETER: _____
CASING MATERIAL: _____

SCREEN SLOT SIZE: ... /THOUSANDS
GRAVEL PACK SIZE: ...

Gravel Pack From: _____ ft. To: ... ft.
Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
Type of Non-Grout backfill of Well Annulus: ...
From: _____ To: _____
Static Water Level: ... ft. Below OR Above Ground Surface
On (date): ...
Pumping Water Level: ... ft. On (date): _____
After: _____ hrs. Pumping at: _____ GPM
Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: ...

Well Head Completed: ... inches Above (OR) Below Ground Surface
Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

License #

Date

MAIL TO:
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 DIVISION OF WATER RESOURCES
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PHONE: 302-739-9944
 FAX: 302-739-7764

WELL COMPLETION REPORT

-Authorization Number-

037601

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 2-9633 Local ID: GPS
 Tax Map/Parcel #: 026-03-03-067
 Property Owner: AMTRAK
 Water Well Contractor: ... WC Lic #: 117
 Well Driller in Charge during Construction: ...

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): ...
 Total Depth of Excavation: 10'
 Construction Date: ...

CASING INSTALLATION:

INNER CASING

CASING TOP: 0'
 CASING BOTTOM: 2'
 CASING DIAMETER: 1"
 CASING MATERIAL: PVC

OUTER CASING

	(1)	(2)	(3)
CASING TOP:			
CASING BOTTOM:			
CASING DIAMETER:			
CASING MATERIAL:			

SCREEN INSTALLATION

SCREEN TOP: 2'
 SCREEN BOTTOM: 10'
 SCREEN DIAMETER: 1"
 SCREEN MATERIAL: PVC
 SCREEN SLOT SIZE: 3/16 /THOUSANDS
 GRAVEL PACK SIZE: 20

Gravel Pack From: 1 ft. To: 10 ft.
 Grout Type: Cement Bentonite Clay
 Other: ... From: ... ft. To: ... ft.
 Type of Non-Grout backfill of Well Annulus: NA
 From: ... To: ...
 Static Water Level: 7 ft. Below OR Above Ground Surface
 On (date): 6-13-07
 Pumping Water Level: NA ft. On (date): ...
 After ... hrs. Pumping at: ... GPM
 Was a Geophysical Log Taken? YES NO

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: ...
 Well Head Completed: 3 inches Above (OR) Below Ground Surface
 Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: ...

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

License #

Date

MAIL TO:
 WATER SUPPLY SECTION
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PHONE: 302-739-9944
 FAX: 302-739-7764

WELL COMPLETION REPORT

-Authorization Number-

200-10-1

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 200-10-1 Local ID: 6-11-1
 Tax Map/Parcel #: 12-100-10-064
 Property Owner: J. J. Smith
 Water Well Contractor: 125-10-11 WC Lic #: 1257
 Well Driller in Charge during Construction: _____

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): 1" auger
 Total Depth of Excavation: 10'
 Construction Date: 11/17

CASING INSTALLATION:

INNER CASING

CASING TOP: 0'
 CASING BOTTOM: 10'
 CASING DIAMETER: 1"
 CASING MATERIAL: PVC

OUTER CASING

	(1)	(2)	(3)
CASING TOP:	_____	_____	_____
CASING BOTTOM:	_____	_____	_____
CASING DIAMETER:	_____	_____	_____
CASING MATERIAL:	_____	_____	_____

SCREEN INSTALLATION

SCREEN TOP: 0'
 SCREEN BOTTOM: 10'
 SCREEN DIAMETER: 1"
 SCREEN MATERIAL: PVC

SCREEN SLOT SIZE: 200 /THOUSANDS
 GRAVEL PACK SIZE: #10

Gravel Pack From: 1 ft. To: 10 ft.
 Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
 Type of Non-Grout backfill of Well Annulus: NA
 From: _____ To: _____
 Static Water Level: 7 ft. Below OR Above Ground Surface
 On (date): 11/17
 Pumping Water Level: NA ft. On (date): _____
 After: _____ hrs. Pumping at: _____ GPM
 Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: Pad Mount
 Well Head Completed: 3 inches Above (OR) Below Ground Surface
 Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

J. J. Smith
 Signature - Well Driller in Charge of Well Construction

 License # _____ Date 11/17

MAIL TO:
WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

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PHONE: 302-739-9944
FAX: 302-739-7764

WELL COMPLETION REPORT

-Authorization Number-

001601

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 219035 Local ID: CV7
Tax Map/Parcel #: 126-030-20-067
Property Owner: A. J. HALL
Water Well Contractor: FASTER WELL DRILLING WC Lic #: 1007
Well Driller in Charge during Construction: _____

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): Hand Drilled
Total Depth of Excavation: 10'
Construction Date: 11/18/07

CASING INSTALLATION:

INNER CASING

CASING TOP: _____
CASING BOTTOM: _____
CASING DIAMETER: _____
CASING MATERIAL: _____

0'
2'
1"
PRC

SCREEN INSTALLATION

SCREEN TOP: _____
SCREEN BOTTOM: _____
SCREEN DIAMETER: _____
SCREEN MATERIAL: _____

2'
10'
1"
PRC

OUTER CASING

	(1)	(2)	(3)
CASING TOP:	_____	_____	_____
CASING BOTTOM:	_____	_____	_____
CASING DIAMETER:	_____	_____	_____
CASING MATERIAL:	_____	_____	_____

SCREEN SLOT SIZE 20 /THOUSANDS

GRAVEL PACK SIZE #0

Gravel Pack From: _____ ft. To: 10 ft.

Grout Type: Cement Bentonite Clay

Other: _____ From: _____ ft. To: _____ ft.

Type of Non-Grout backfill of Well Annulus: VA

From: _____ To: _____

Static Water Level: 7 ft. Below OR Above Ground Surface

On (date): 11/18/07

Pumping Water Level: VA ft. On (date): _____

After: _____ hrs. Pumping at: _____ GPM

Was a Geophysical Log Taken? YES NO

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"

Well Pit Pad Mount

Other - Specify: Flush Mount

Well Head Completed: 5 inches Above (OR) Below Ground Surface

Was the Well Tag attached in accordance with current regulations?

YES NO If "NO", Please Explain: _____

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

License #

Date

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
DOVER, DELAWARE 19901

PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
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WELL COMPLETION REPORT
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WELL COMPLETION REPORT

-Authorization Number-

25301

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 259026 Local ID: 603
Tax Map/Parcel #: 130-102-01-04
Property Owner: [Signature]
Water Well Contractor: [Signature] WC Lic #: 1000
Well Driller in Charge during Construction: [Signature]

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): Hand Dug
Total Depth of Excavation: 12'
Construction Date: 11-07

CASING INSTALLATION:

INNER CASING

CASING TOP: 0'
CASING BOTTOM: 1'
CASING DIAMETER: 1"
CASING MATERIAL: 40

OUTER CASING

	(1)	(2)	(3)
CASING TOP:			
CASING BOTTOM:			
CASING DIAMETER:			
CASING MATERIAL:			

SCREEN INSTALLATION

SCREEN TOP: 11'
SCREEN BOTTOM: 12'
SCREEN DIAMETER: 1"
SCREEN MATERIAL: 30
SCREEN SLOT SIZE: 20 /THOUSANDS
GRAVEL PACK SIZE: 70

Gravel Pack From: 1 ft. To: 12 ft.
Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
Type of Non-Grout backfill of Well Annulus: VA
From: _____ To: _____
Static Water Level: 7 ft. Below OR Above Ground Surface
On (date): 11-07
Pumping Water Level: VA ft. On (date): _____
After: _____ hrs. Pumping at: _____ GPM
Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: Flush mount

Well Head Completed: 3 inches Above (OR) Below Ground Surface

Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

[Signature]
Signature - Well Driller in Charge of Well Construction
[Signature] License # _____ Date _____

MAIL TO:
WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
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PHONE: 302-739-9944
FAX: 302-739-7764

WELL COMPLETION REPORT

-Authorization Number-

5. 10. 01

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 211057 Local ID: 687
Tax Map/Parcel #: 0-00-000-0000
Property Owner: J. Smith
Water Well Contractor: ... WC Lic #: ...
Well Driller in Charge during Construction: J

WELL CONSTRUCTION METHOD

Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): ...
Total Depth of Excavation: ...
Construction Date: ...

CASING INSTALLATION:

INNER CASING

CASING TOP: ...
CASING BOTTOM: ...
CASING DIAMETER: ...
CASING MATERIAL: ...

SCREEN INSTALLATION

SCREEN TOP: ...
SCREEN BOTTOM: ...
SCREEN DIAMETER: ...
SCREEN MATERIAL: PVC
SCREEN SLOT SIZE: ... /THOUSANDS
GRAVEL PACK SIZE: ...

OUTER CASING

	(1)	(2)	(3)
CASING TOP:	_____	_____	_____
CASING BOTTOM:	_____	_____	_____
CASING DIAMETER:	_____	_____	_____
CASING MATERIAL:	_____	_____	_____

Gravel Pack From: 1 ft. To: 10 ft.
Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
Type of Non-Grout backfill of Well Annulus: NA
From: _____ To: _____
Static Water Level: 7 ft. Below OR Above Ground Surface
On (date): ...
Pumping Water Level: ... ft. On (date): _____
After: _____ hrs. Pumping at: _____ GPM
Was a Geophysical Log Taken? YES NO

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: ...

Well Head Completed: ... inches Above (OR) Below Ground Surface
Was the Well Tag attached in accordance with current regulations?
 YES NO If "NO", Please Explain: _____

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

License #

Date

MAIL TO:

WATER SUPPLY SECTION
DIVISION OF WATER RESOURCES
89 KINGS HIGHWAY
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PHONE: 302-739-9944
FAX: 302-739-7764

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
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WELL COMPLETION REPORT MUST
BE RETURNED WITHIN 30 DAYS OF
CONSTRUCTION DATE

FORMATION LOG

PAGE 1 OF 2 PAGES

PLEASE PRINT OR TYPE - ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PERMIT# 611177	LOCAL ID# 687
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PROPERTY OWNER

WELL CONTRACTOR	LIC# 134
-----------------	----------

DESCRIPTION	TOP OF STRATA	BOTTOM OF STRATA
10' Sand	10'	20'
10' Sand	20'	30'
10' Sand	30'	40'
10' Sand	40'	50'
10' Sand	50'	60'
10' Sand	60'	70'
10' Sand	70'	80'
10' Sand	80'	90'
10' Sand	90'	100'
10' Sand	100'	110'
10' Sand	110'	120'
10' Sand	120'	130'
10' Sand	130'	140'
10' Sand	140'	150'
10' Sand	150'	160'
10' Sand	160'	170'
10' Sand	170'	180'
10' Sand	180'	190'
10' Sand	190'	200'

OTHER COMMENTS:

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT

Signature of Well Driller In Charge _____ License# _____ Date _____

MAIL TO:
 WATER SUPPLY SECTION
 DIVISION OF WATER RESOURCES
 89 KINGS HIGHWAY
 DOVER, DELAWARE 19901

STATE OF DELAWARE
 DEPARTMENT OF NATURAL RESOURCES
 AND ENVIRONMENTAL CONTROL

http://www.dnrec.state.de.us/

WELL COMPLETION REPORT
 MUST BE RETURNED WITHIN 30
 DAYS OF CONSTRUCTION. A
 WELL FORMATION LOG MUST BE
 INCLUDED WITH THIS REPORT.

PHONE: 302-739-9944
 FAX: 302-739-7764

WELL COMPLETION REPORT

-Authorization Number-

2278171

ILLEGIBLE OR INCOMPLETE FORMS WILL BE RETURNED

PLEASE PRINT OR TYPE - USE BLUE OR BLACK INK ONLY

Permit #: 217098 Local ID: G-P10
 Tax Map/Parcel #: 26-33-01-07
 Property Owner: AMERICA
 Water Well Contractor: Ed. ... WC Lic #: 117
 Well Driller in Charge during Construction: ...

WELL CONSTRUCTION METHOD

- Augered Bored Cable Tool
 Driven Jetted Air Rotary
 Mud Rotary Reverse Washed
 Other (Specify): ...

Total Depth of Excavation: 18'
 Construction Date: 7/1/07

CASING INSTALLATION:

INNER CASING

CASING TOP: 0'
 CASING BOTTOM: 18'
 CASING DIAMETER: 12"
 CASING MATERIAL: 140

OUTER CASING

	(1)	(2)	(3)
CASING TOP:	_____	_____	_____
CASING BOTTOM:	_____	_____	_____
CASING DIAMETER:	_____	_____	_____
CASING MATERIAL:	_____	_____	_____

SCREEN INSTALLATION

SCREEN TOP: 2'
 SCREEN BOTTOM: 1'
 SCREEN DIAMETER: 12"
 SCREEN MATERIAL: 140

SCREEN SLOT SIZE: 200 /THOUSANDS

GRAVEL PACK SIZE: 20

Gravel Pack From: 1 ft. To: 10 ft.
 Grout Type: Cement Bentonite Clay
 Other: _____ From: _____ ft. To: _____ ft.
 Type of Non-Grout backfill of Well Annulus: ...
 From: _____ To: _____

Static Water Level: 10 ft. Below OR Above Ground Surface
 On (date): 7/1/07

Pumping Water Level: 17 ft. On (date): _____
 After: _____ hrs. Pumping at: _____ GPM

Was a Geophysical Log Taken? YES NO

WELL HEAD COMPLETION:

Type: Pitless Adapter Standard "T"
 Well Pit Pad Mount
 Other - Specify: ...

Well Head Completed: _____ inches Above (OR) Below Ground Surface

Was the Well Tag attached in accordance with current regulations?

YES NO If "NO", Please Explain: _____

...
...
...

Site Plan - Include lot size and dimensions, distances from well to house, property lines, nearest road, and all nearby septic systems (include suitable plot plan if available). (If different from original application)

I HEREBY AFFIRM THE INFORMATION I HAVE SUBMITTED IS ACCURATE AND CORRECT.

Signature - Well Driller in Charge of Well Construction

...
 License # _____ Date 7/1/07

APPENDIX B
GAUGING DATA
AND
HYDROGRAPHS

Peizometer Gauging Data

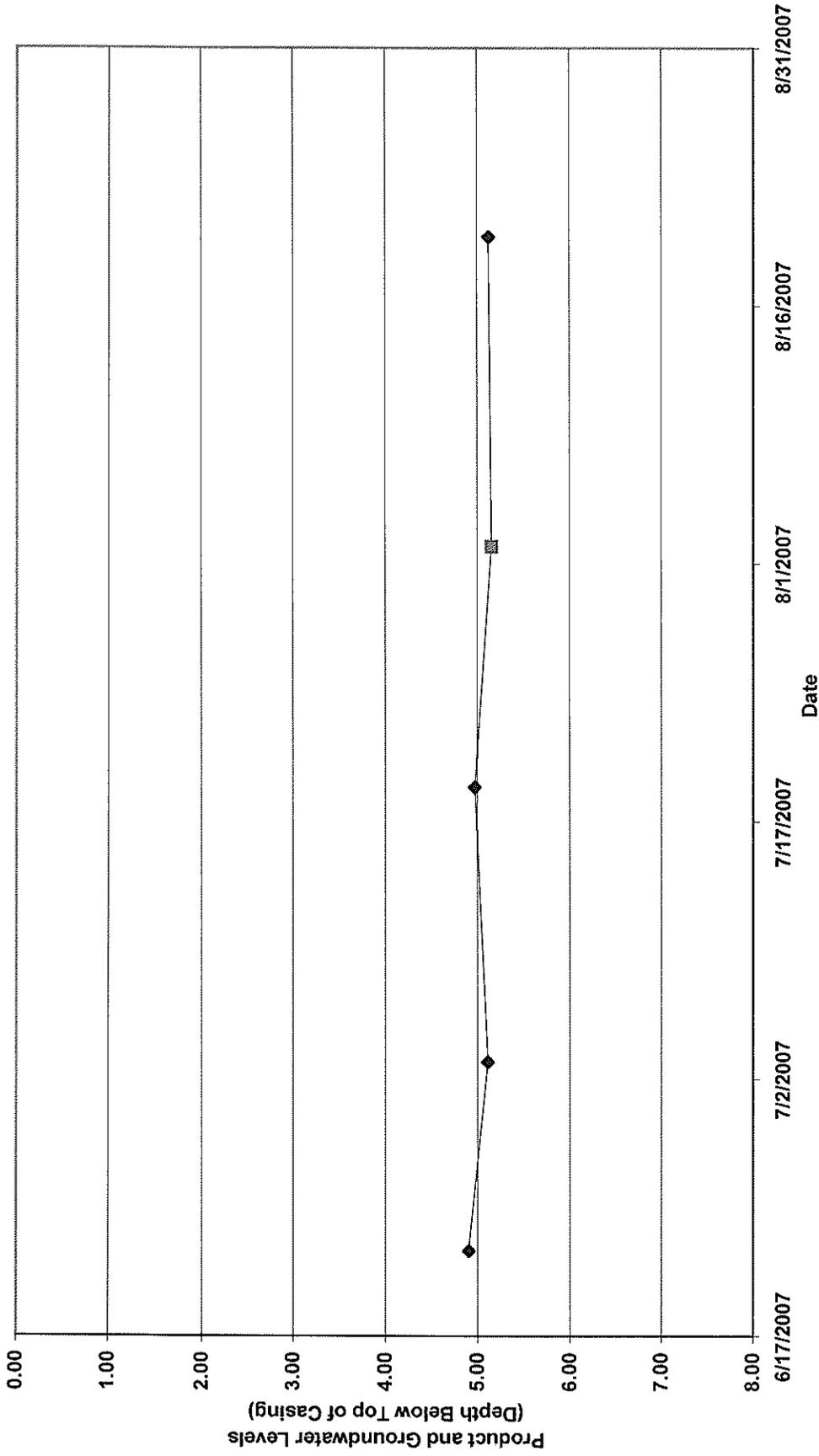
Locomotive/Wheel Shop Area
 AMTRAK Maintenance Facility
 Wilmington, Delaware

MONITORING DATE	WELL TYPE - #	PRODUCT DEPTH (feet)	WATER DEPTH (feet)	PRODUCT THICK. (feet)
6/22/2007	PZ-1		4.90	
6/22/2007	PZ-2		4.42	
6/22/2007	PZ-3	4.09	4.09	sheen
6/22/2007	PZ-4		4.87	
6/22/2007	PZ-5	4.16	4.16	sheen
6/22/2007	PZ-6		4.81	
6/22/2007	PZ-7		3.11	
6/22/2007	PZ-8	2.98	2.98	sheen
6/22/2007	PZ-9		2.69	
6/22/2007	PZ-10		3.20	
7/3/2007	PZ-1		5.11	
7/3/2007	PZ-2		4.60	
7/3/2007	PZ-3	4.19	4.50	0.31
7/3/2007	PZ-4	4.94	4.95	0.01
7/3/2007	PZ-5	4.30	4.31	0.01
7/3/2007	PZ-6		3.92	
7/3/2007	PZ-7		3.20	
7/3/2007	PZ-8	2.85	4.18	1.33
7/3/2007	PZ-9		2.79	
7/3/2007	PZ-10		3.20	
7/19/2007	PZ-1		4.97	
7/19/2007	PZ-2		4.56	
7/19/2007	PZ-3	4.19	4.55	0.36
7/19/2007	PZ-4	4.94	4.95	0.01
7/19/2007	PZ-5		4.23	
7/19/2007	PZ-6		3.92	
7/19/2007	PZ-7		3.20	
7/19/2007	PZ-8	2.90	4.31	1.41
7/19/2007	PZ-9		2.88	
7/19/2007	PZ-10		3.22	
8/2/2007	PZ-1	5.15	5.15	
8/2/2007	PZ-2		4.80	
8/2/2007	PZ-3	4.50	4.87	0.37
8/2/2007	PZ-4	5.15	5.17	0.02
8/2/2007	PZ-5	4.60	4.60	sheen
8/2/2007	PZ-6		4.12	
8/2/2007	PZ-7		3.29	
8/2/2007	PZ-8	3.04	4.41	1.37
8/2/2007	PZ-9		3.06	
8/2/2007	PZ-10		3.28	
8/20/2007	PZ-1		5.12	
8/20/2007	PZ-2		4.71	
8/20/2007	PZ-3	4.41	4.41	sheen
8/20/2007	PZ-4	5.1	5.11	0.01
8/20/2007	PZ-5		4.22	
8/20/2007	PZ-6		4.17	
8/20/2007	PZ-7		3.17	
8/20/2007	PZ-8	2.83	4.39	1.56
8/20/2007	PZ-9		2.50	
8/20/2007	PZ-10		3.10	

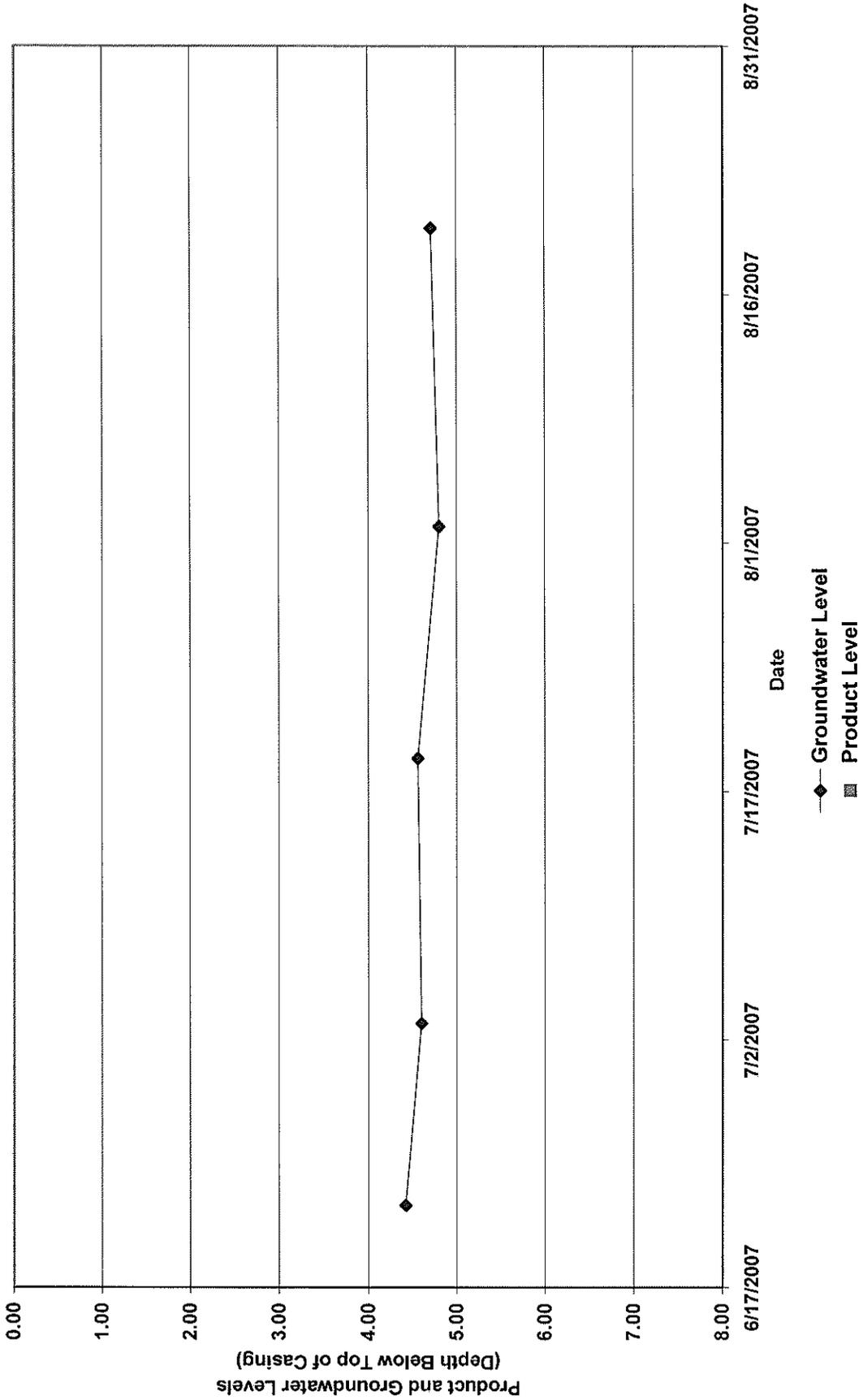
PZ-1

DEPTH TO LIQUIDS VS. TIME

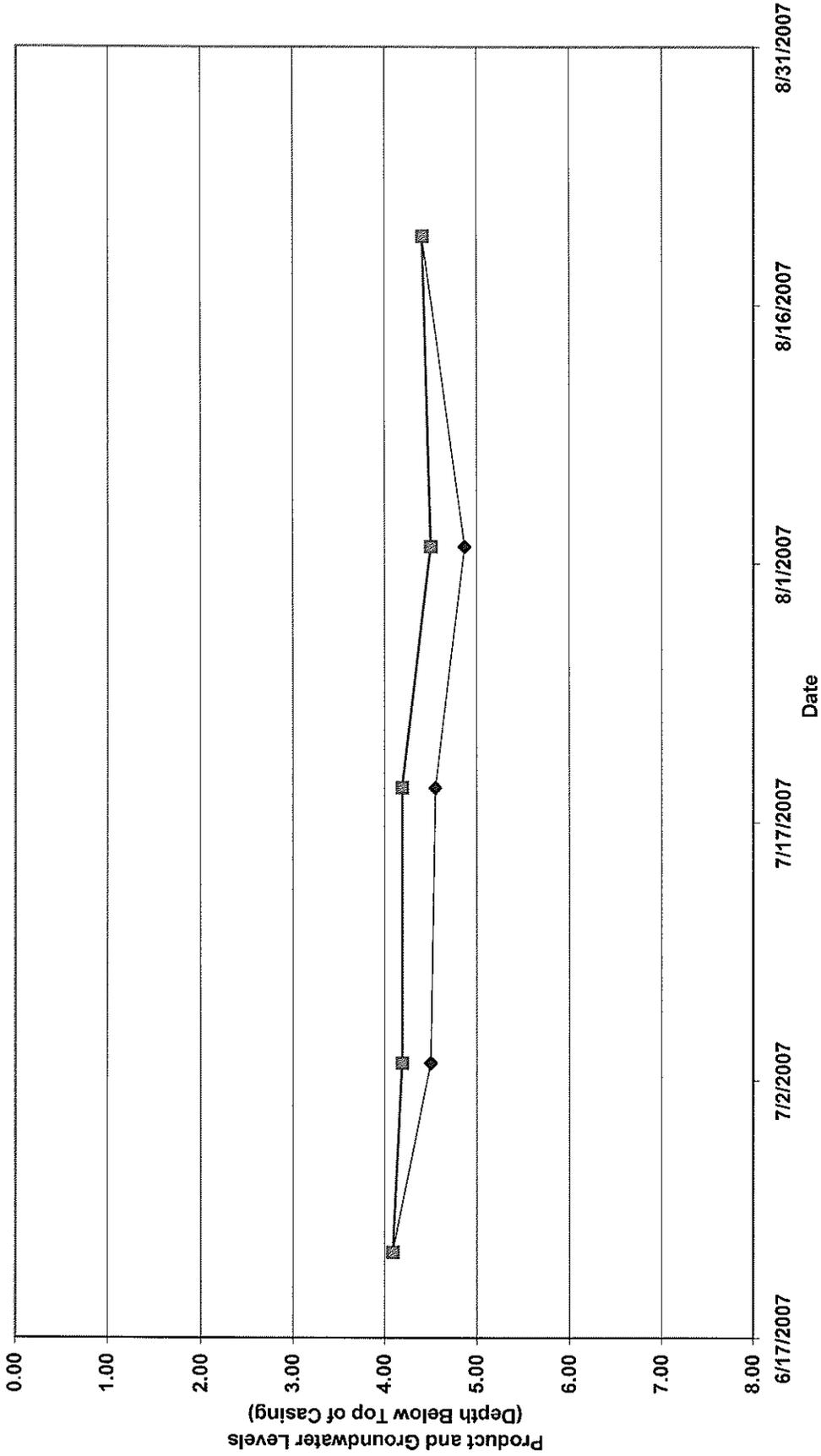
AMTRAK - Locomotive/Wheel Shop Area



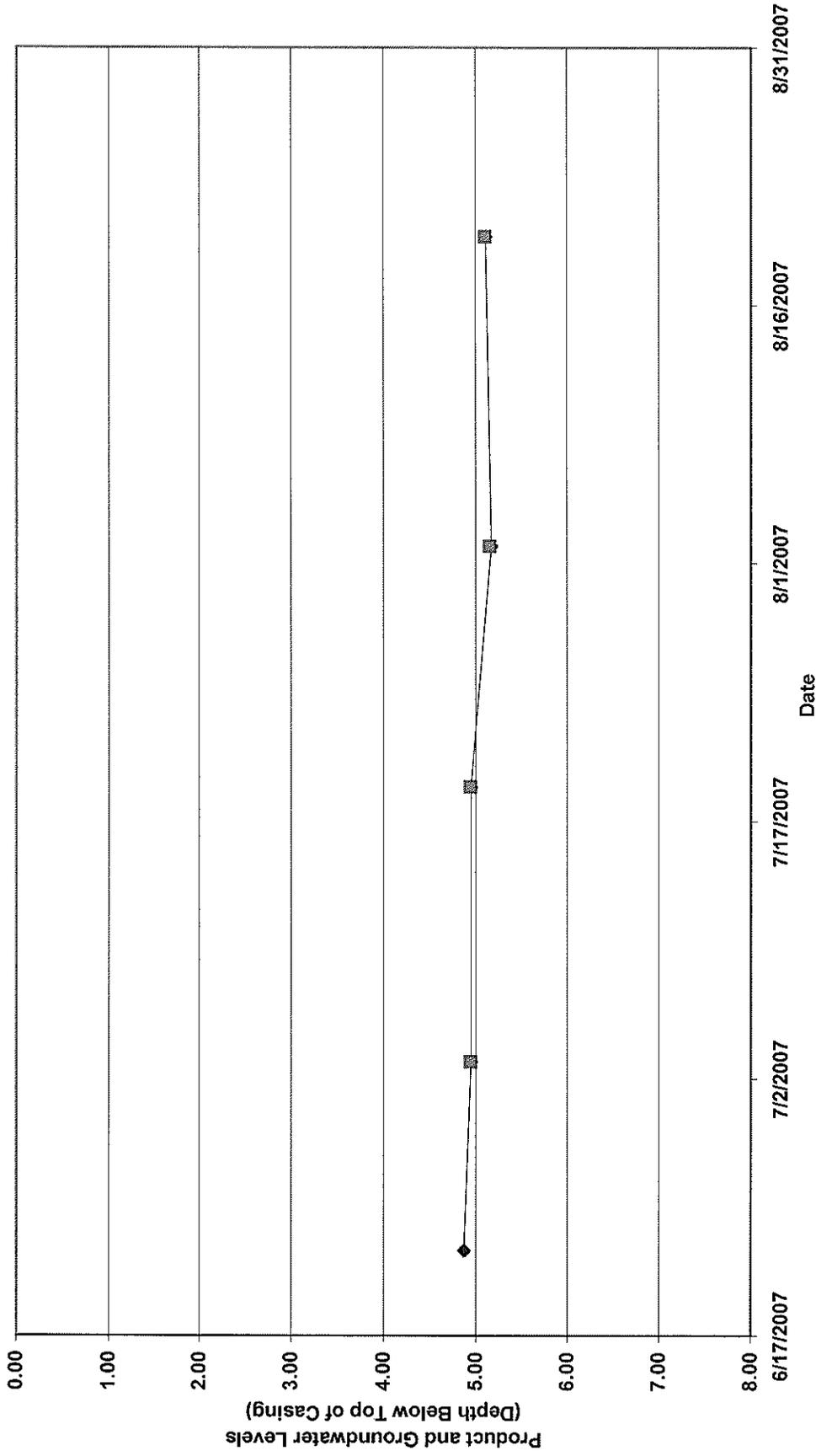
PZ-2
DEPTH TO LIQUIDS VS. TIME
AMTRAK - Locomotive/Wheel Shop Area



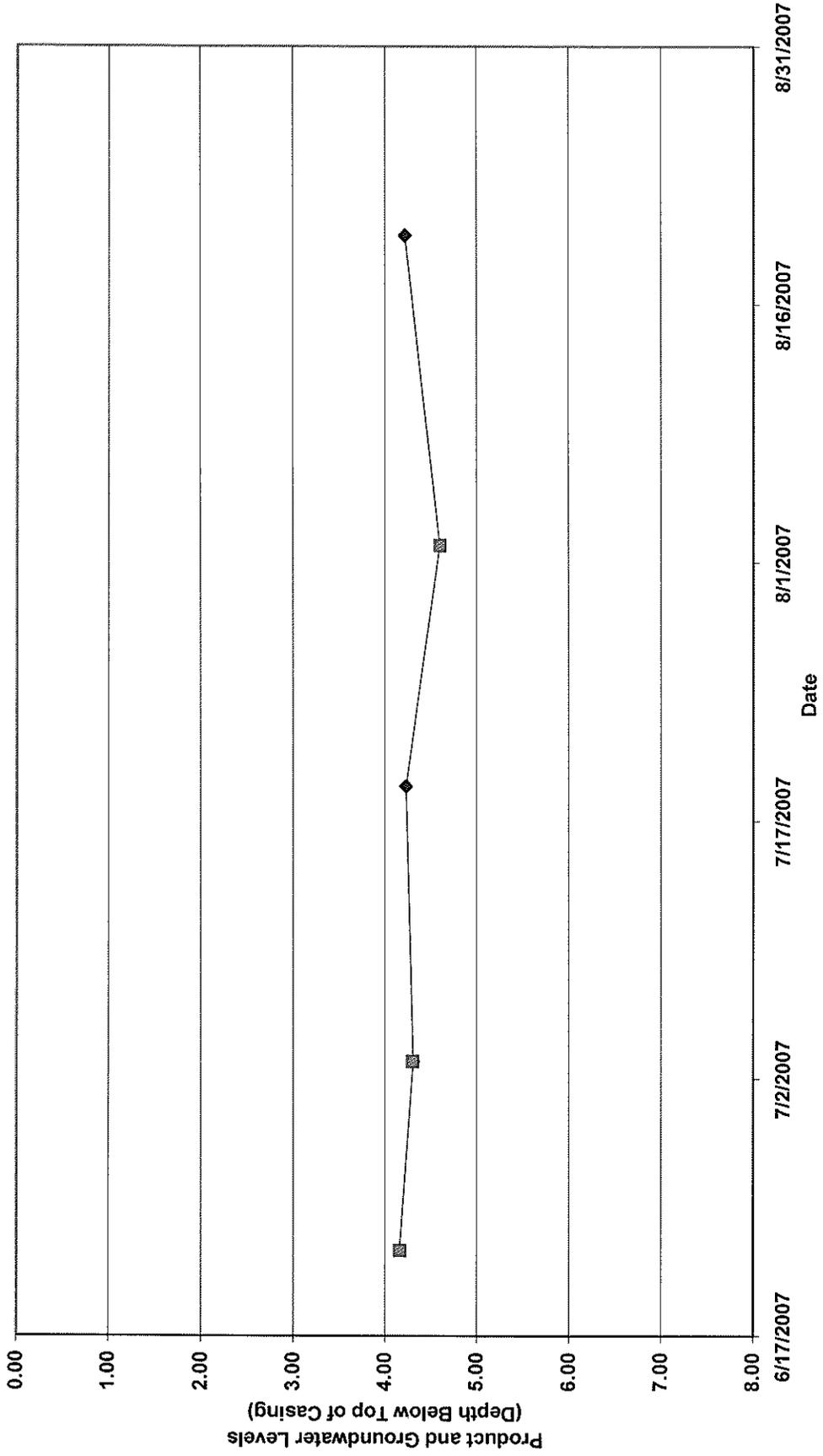
PZ-3
DEPTH TO LIQUIDS VS. TIME
AMTRAK - Locomotive/Wheel Shop Area



PZ-4
DEPTH TO LIQUIDS VS. TIME
AMTRAK - Locomotive/Wheel Shop Area



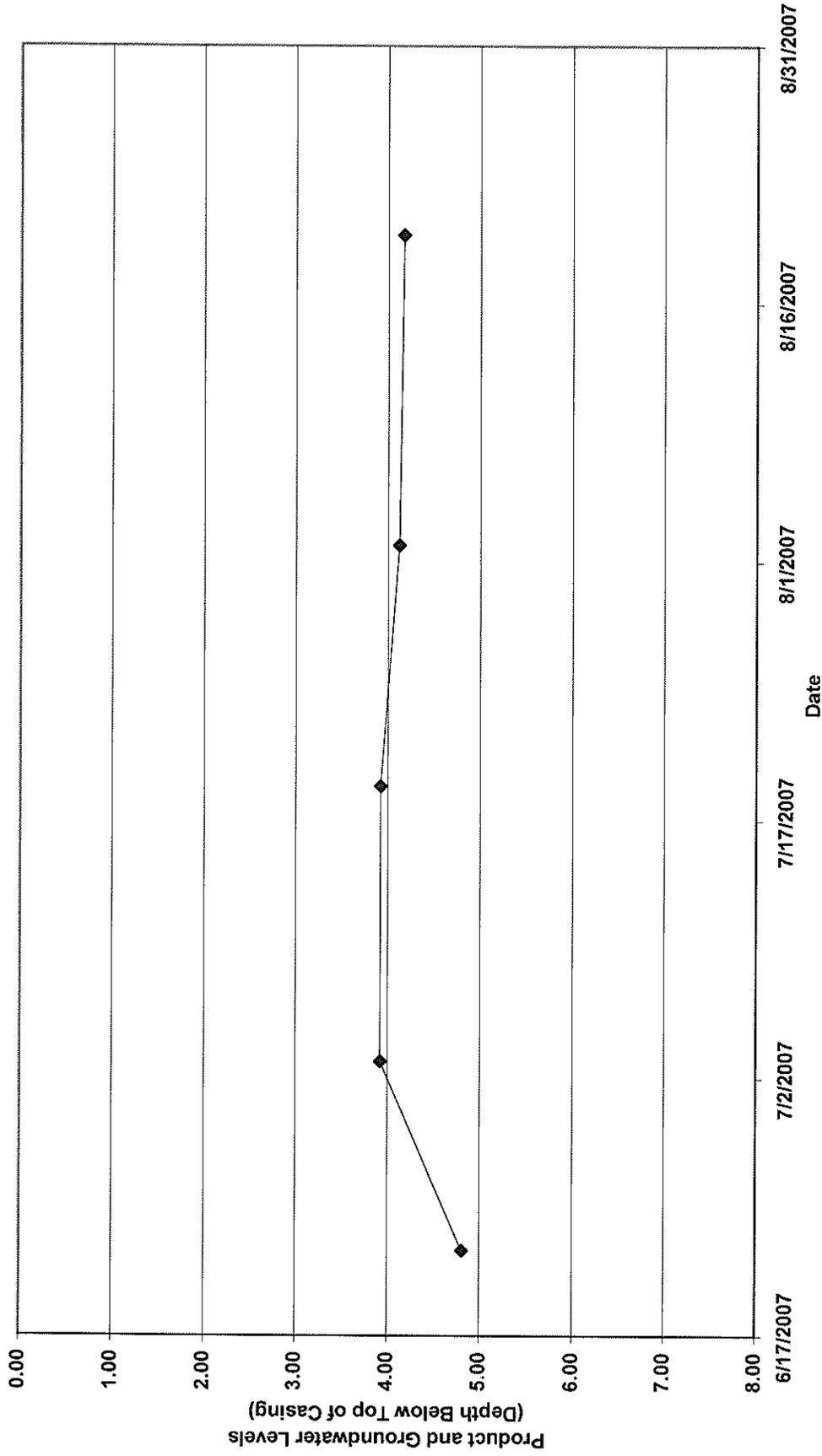
PZ-5
DEPTH TO LIQUIDS VS. TIME
AMTRAK - Locomotive/Wheel Shop Area



PZ-6

DEPTH TO LIQUIDS VS. TIME

AMTRAK - Locomotive/Wheel Shop Area



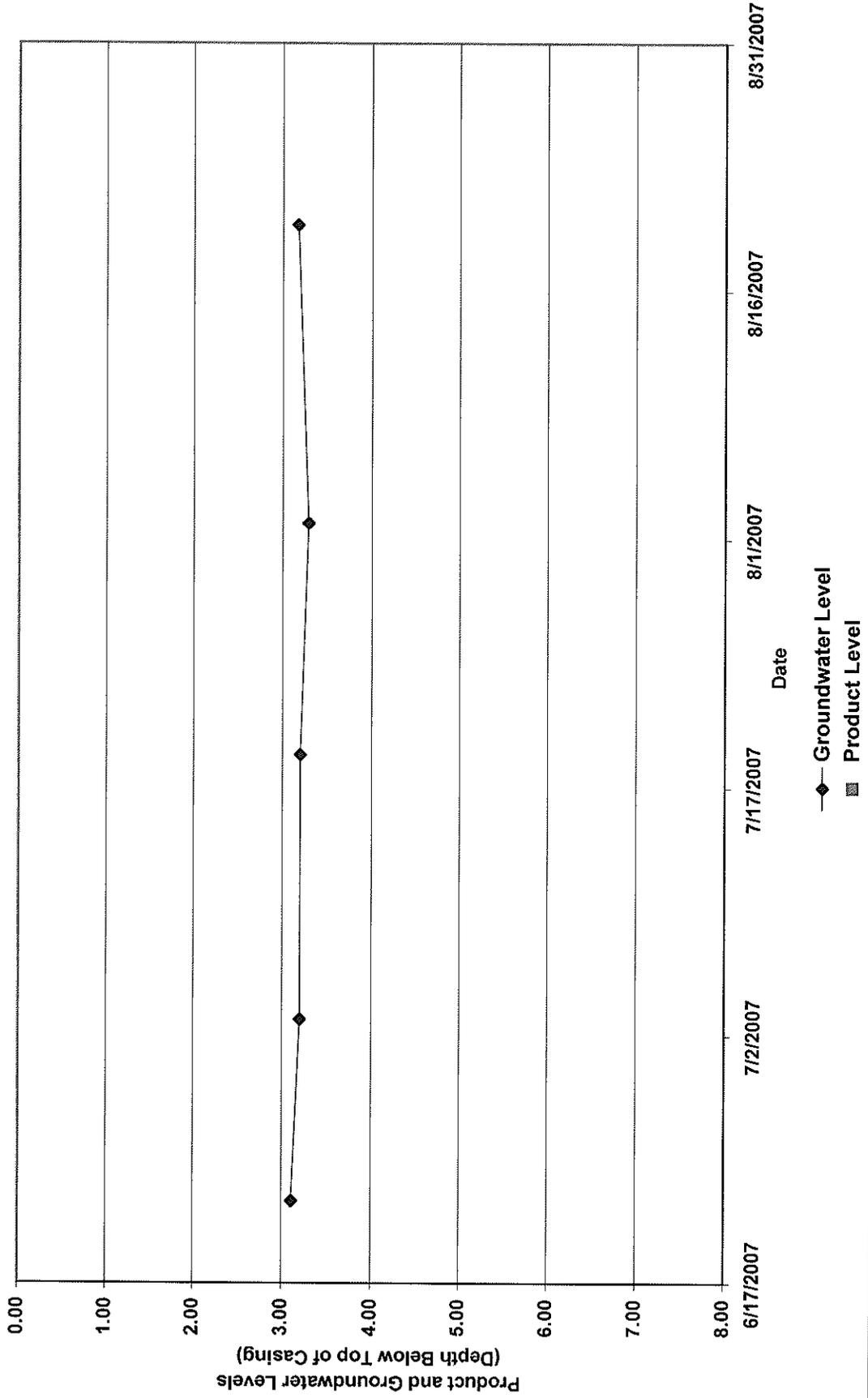
◆ Groundwater Level

■ Product Level

PZ-7

DEPTH TO LIQUIDS VS. TIME

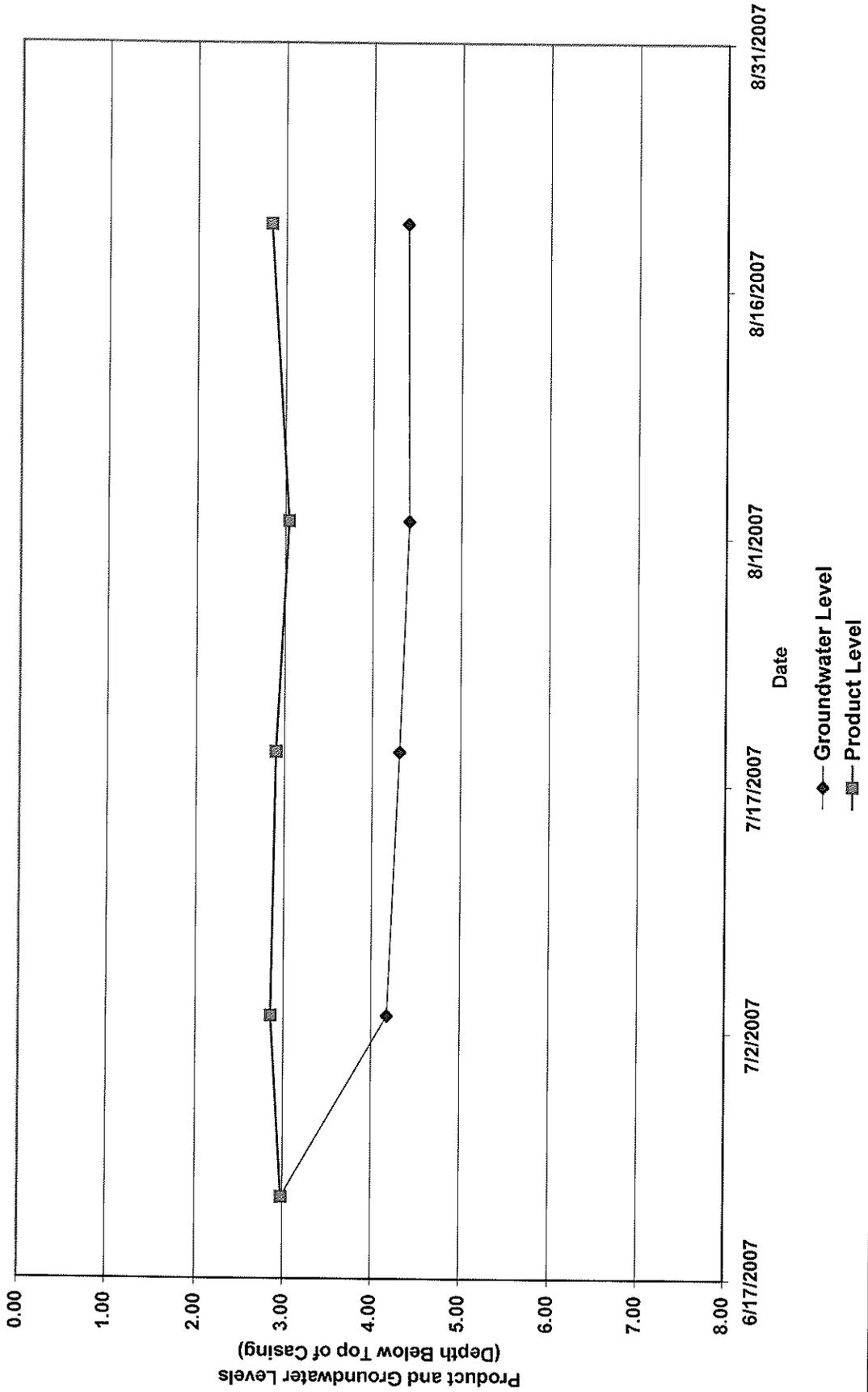
AMTRAK - Locomotive/Wheel Shop Area



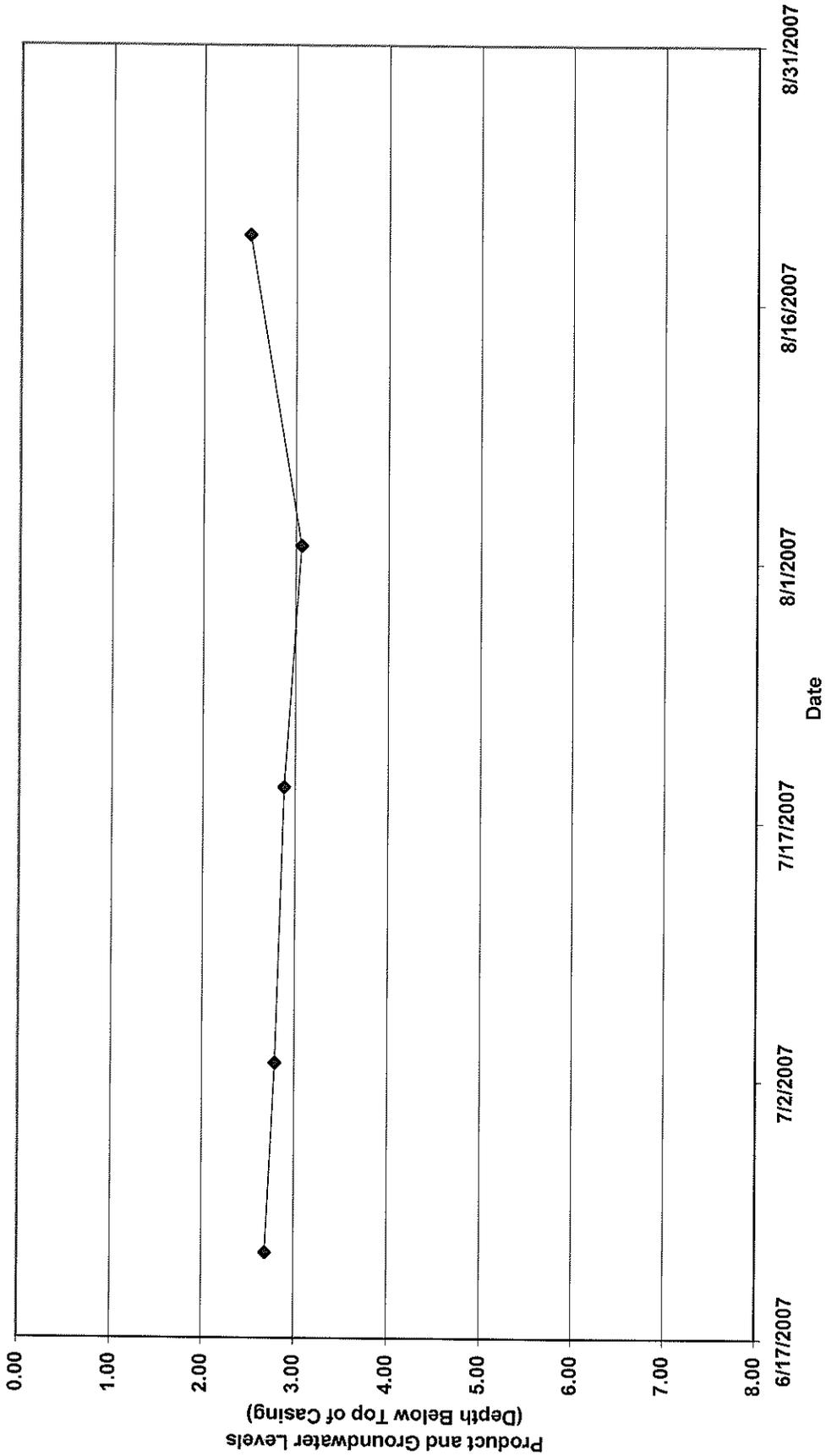
PZ-8

DEPTH TO LIQUIDS VS. TIME

AMTRAK - Locomotive/Wheel Shop Area

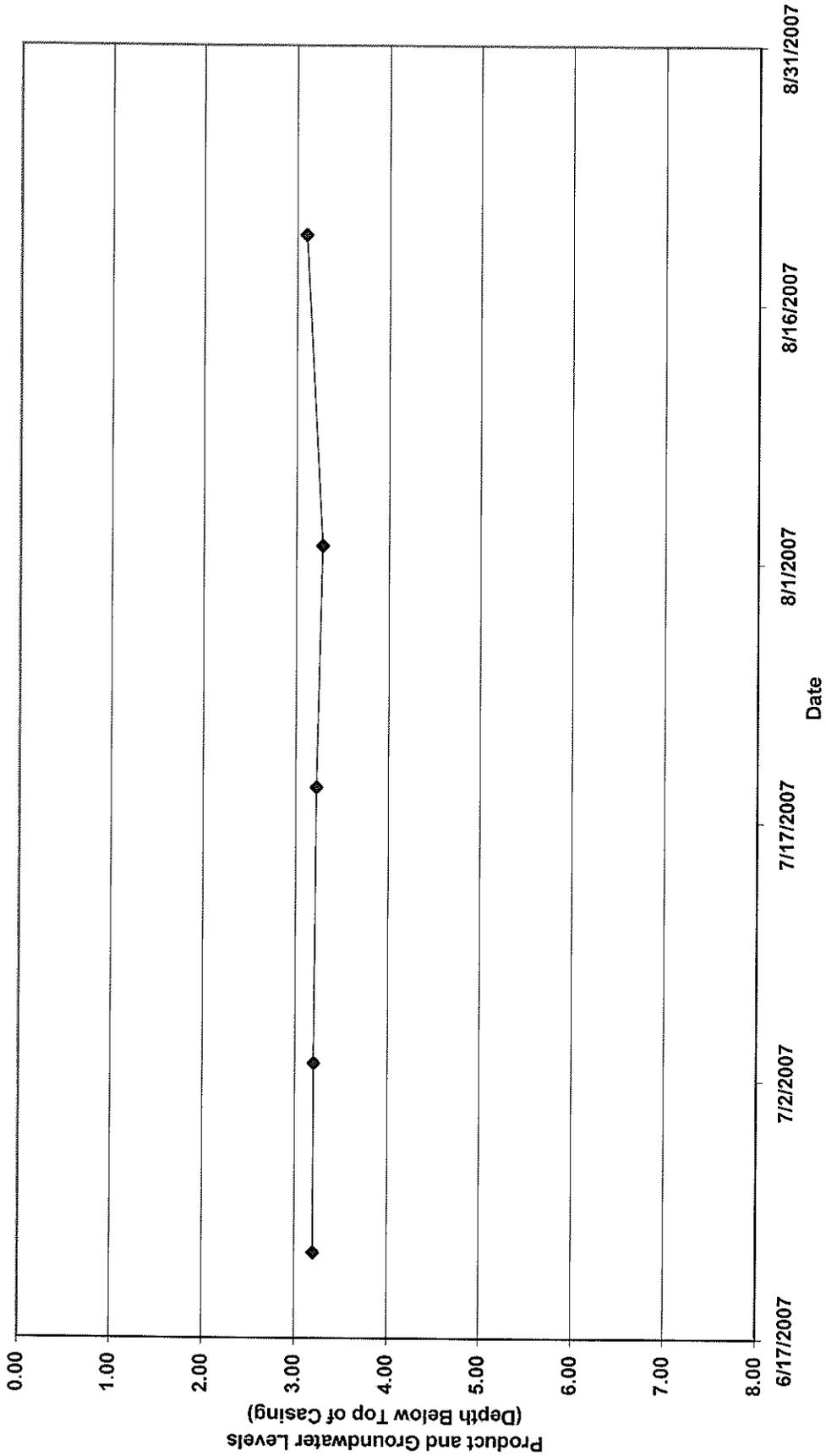


PZ-9
DEPTH TO LIQUIDS VS. TIME
AMTRAK - Locomotive/Wheel Shop Area



◆ Groundwater Level
■ Product Level

PZ-10
DEPTH TO LIQUIDS VS. TIME
AMTRAK - Locomotive/Wheel Shop Area



◆ Groundwater Level
■ Product Level

APPENDIX C
LABORATORY DATA



ANALYTICAL RESULTS

Prepared for:

SECOR International, Inc.
102 Pickering Way
Suite 200
Exton PA 19341

484-875-3075

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1046422. Samples arrived at the laboratory on Wednesday, July 11, 2007. The PO# for this group is 620T.01253.02.

Client Description

PZ-3 Grab Oil Sample
PZ-8 Grab Oil Sample

Lancaster Labs Number

5100666
5100667

1 COPY TO SECOR International, Inc.
ELECTRONIC SECOR International, Inc.
COPY TO

Attn: Steve Baggett
Attn: John Burchette

Questions? Contact your Client Services Representative
Loran A Carter at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Valerie L. Tomayko".

Valerie L. Tomayko
Group Leader



Lancaster Laboratories Sample No. G5 5100666

PZ-3 Grab Oil Sample
Amtrak Former Fueling Facility

Collected: 07/03/2007 16:50

Account Number: 11289

Submitted: 07/11/2007 16:45

SECOR International, Inc.

Reported: 07/24/2007 at 08:49

102 Pickering Way

Discard: 07/24/2008

Suite 200

Exton PA 19341

PZ3--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method Detection Limit	Units	
00174	PCBs in Oil					
04815	PCB-1016	12674-11-2	N.D.	1,000.	ug/kg	1
04816	PCB-1221	11104-28-2	N.D.	600.	ug/kg	1
04817	PCB-1232	11141-16-5	N.D.	800.	ug/kg	1
04818	PCB-1242	53469-21-9	N.D.	500.	ug/kg	1
04819	PCB-1248	12672-29-6	N.D.	1,300.	ug/kg	1
04820	PCB-1254	11097-69-1	17,000.	600.	ug/kg	1
04821	PCB-1260	11096-82-5	25,000.	1,000.	ug/kg	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00174	PCBs in Oil	SW-846 8082	1	07/21/2007 12:54	Jamie L Brillhart	1
00815	Oil Sample PCB's Cleanup Ext.	SW-846 3580A	1	07/12/2007 18:10	Wanda F Oswald	1



Lancaster Laboratories Sample No. G5 5100667

PZ-8 Grab Oil Sample
Amtrak Former Fueling Facility

Collected: 07/03/2007 17:00

Account Number: 11289

Submitted: 07/11/2007 16:45
Reported: 07/24/2007 at 08:49
Discard: 07/24/2008

SECOR International, Inc.
102 Pickering Way
Suite 200
Exton PA 19341

PZ8--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method Detection Limit	Units	
00174	PCBs in Oil					
04815	PCB-1016	12674-11-2	N.D.	1,000.	ug/kg	1
04816	PCB-1221	11104-28-2	N.D.	600.	ug/kg	1
04817	PCB-1232	11141-16-5	N.D.	800.	ug/kg	1
04818	PCB-1242	53469-21-9	N.D.	500.	ug/kg	1
04819	PCB-1248	12672-29-6	N.D.	1,300.	ug/kg	1
04820	PCB-1254	11097-69-1	8,600.	600.	ug/kg	1
04821	PCB-1260	11096-82-5	22,000.	1,000.	ug/kg	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00174	PCBs in Oil	SW-846 8082	1	07/21/2007 13:15	Jamie L Brillhart	1
00815	Oil Sample PCB's Cleanup Ext.	SW-846 3580A	1	07/12/2007 18:10	Wanda F Oswald	1



Quality Control Summary

Client Name: SECOR International, Inc.
 Reported: 07/24/07 at 08:49 AM

Group Number: 1046422

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	
Batch number: 071930015A	Sample number(s): 5100666-5100667								
PCB-1016	N.D.	1,000.	ug/kg	96		109	50-139	13	50
PCB-1221	N.D.	600.	ug/kg						
PCB-1232	N.D.	800.	ug/kg						
PCB-1242	N.D.	500.	ug/kg						
PCB-1248	N.D.	1,300.	ug/kg						
PCB-1254	N.D.	600.	ug/kg						
PCB-1260	N.D.	1,000.	ug/kg	100	100	67-143	0	50	

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

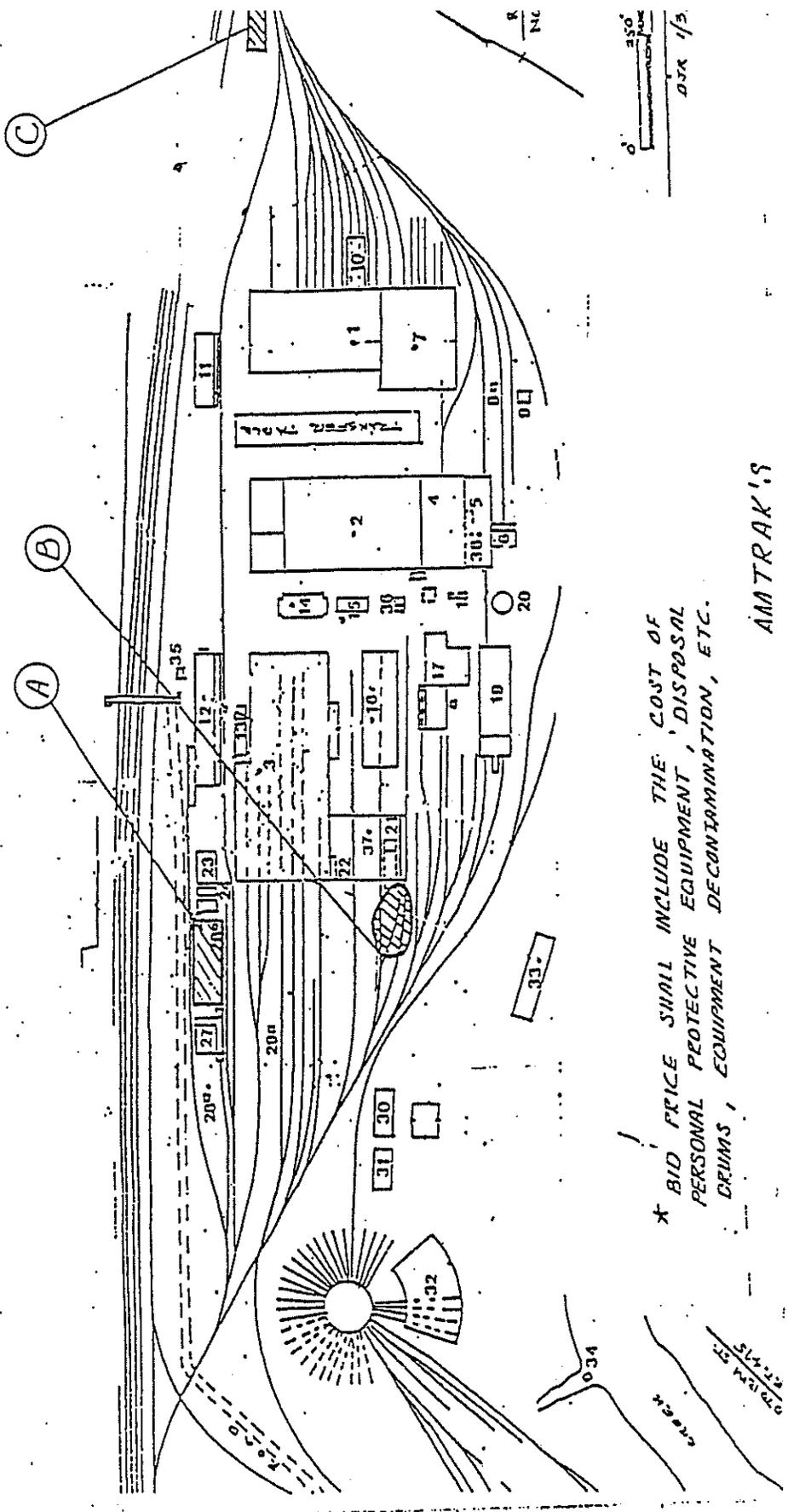
Analysis Name: PCBs in Oil
 Batch number: 071930015A

	<u>Tetrachloro-m-xylene</u>	<u>Decachlorobiphenyl</u>
5100666	87	92
5100667	86	96
Blank	102	125*
LCS	100	119
LCSD	100	125*
Limits:	54-137	50-121

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

PCB CONTAMINATED SITE	APPROX. SIZE	S:	REMOVAL SITES	PCB CONCENTRATION RANGE
A	60' x 120' x 2'		VOLUME ESTIMATED	12 - 253 ppm
B	60' x 125' x 2'		2000 CU. YDS.	19 - 1475 ppm
C	60' x 200' x 2'		1 TO BE REMOVED	76.7 - 477 ppm

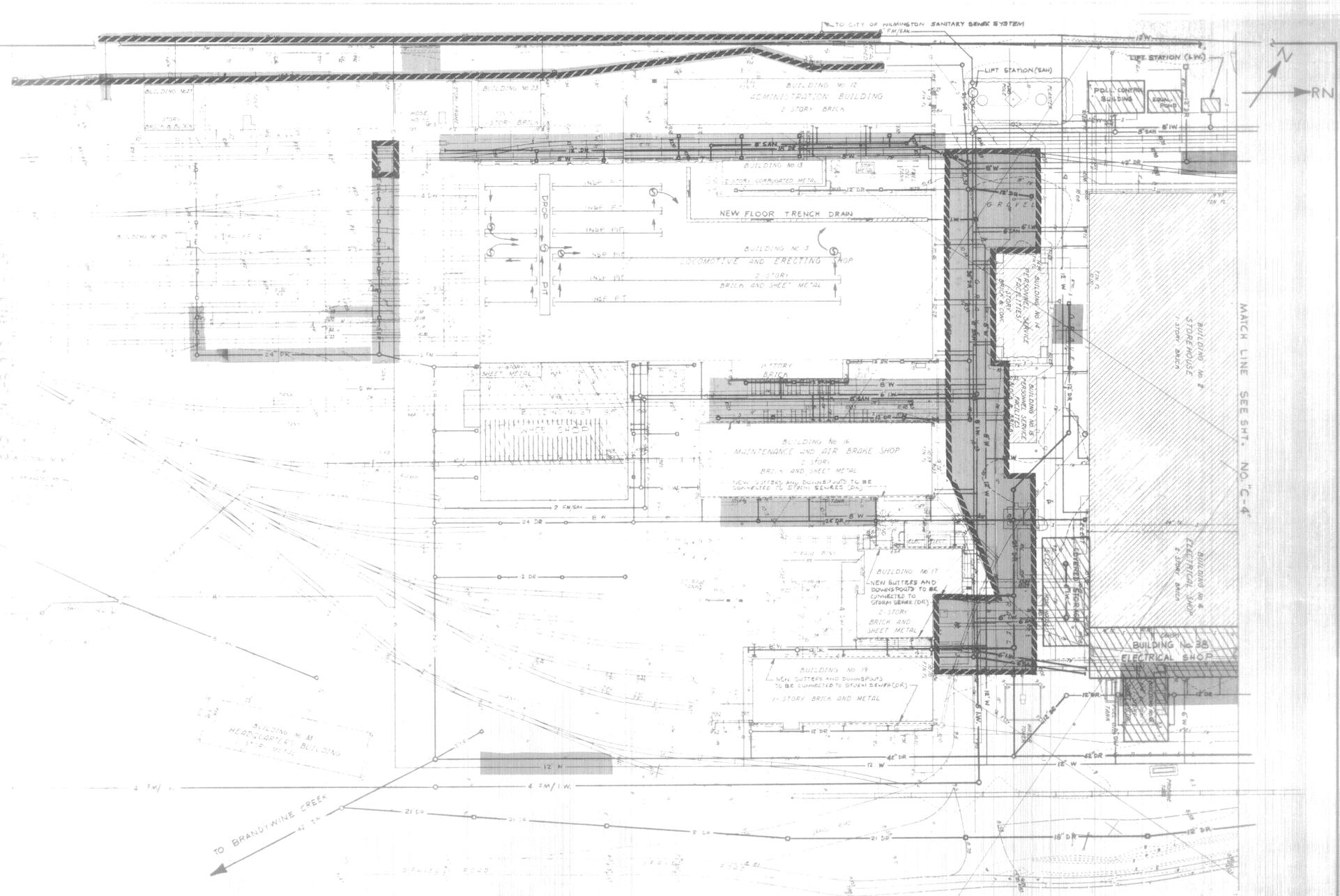
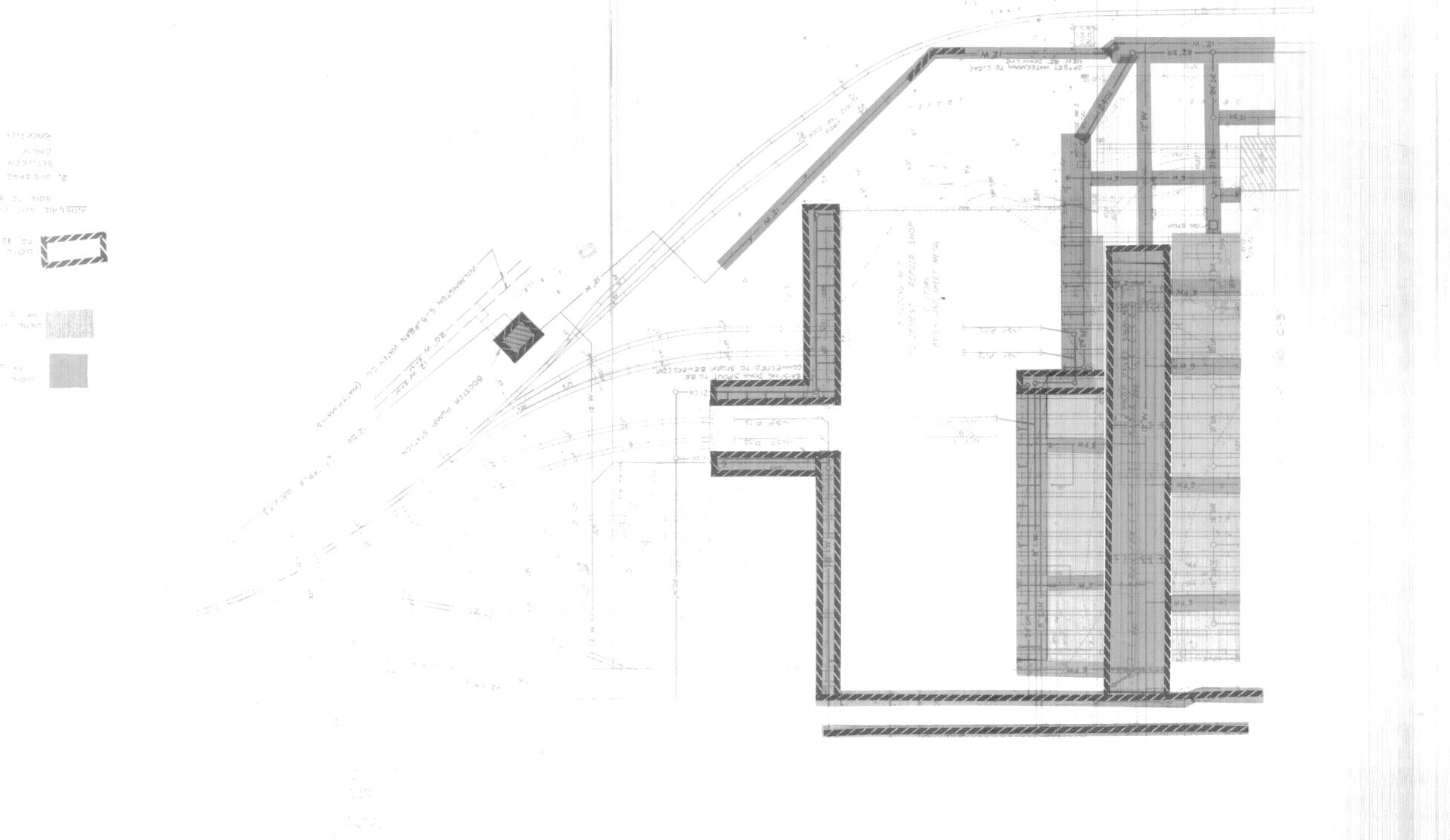


* BID PRICE SHALL INCLUDE THE COST OF PERSONAL PROTECTIVE EQUIPMENT, DISPOSAL DRUMS, EQUIPMENT DECONTAMINATION, ETC.

AMTRAK'S

DESIGNED	DATE	REVISIONS	DESCRIPTION	DATE BY REV	REFERENCE DRAWINGS
CHECKED	IN CHARGE				
DRAWN					
SEAL					

FEDERAL RAILROAD ADMINISTRATION, DEPARTMENT OF TRANSPORTATION
 OFFICE OF THE CHIEF ENGINEER
 NATIONAL RAILROAD PASSENGER CORP.
 WASHINGTON, D.C.



DESIGNED	DATE	REVISIONS	DESCRIPTION	DATE BY REV	SCALE	DRAWING NO.	REV.	SHEET NO.
DRAWN					1" = 50'	35-1434		C-3
CHECKED								
IN CHARGE								
DATE								

NORTH EAST CORRIDOR IMPROVEMENT PROJECT
 FEDERAL RAILROAD ADMINISTRATION, DEPARTMENT OF TRANSPORTATION
WILMINGTON SERVICE FACILITY
 OFFICE OF THE CHIEF ENGINEER
 NATIONAL RAILROAD PASSENGER CORP.
 WASHINGTON, D.C.

APPENDIX B

Discharge Monitoring Report Summary (DMR) Results for Outfall 002
(2000 through 2007)
Amtrak Wilmington Rail Yard Facility
Wilmington, Delaware

Date	Oil & Grease mg/l	pH SU	Surfactants mg/l	PCBs ug/l	Trichloroethene mg/l
Permit Limit	10mg/l*	6.0-9.0	**	See Note 1	**
03/2000	ND	6.7	0.02	ND	0
06/2000	NA	NA	NA	NA	NA
07/2000	4	7.2	0.03	NA	NA
10/2000	NA	NA	NA	NA	NA
01/2001	NA	NA	NA	NA	NA
02/2001	NA	NA	NA	NA	NA
03/2001	3	6.3	<0.01	<0.0005 (2)	0.290
04/2001	NA	NA	NA	NA	NA
05/2001	NA	NA	NA	NA	NA
06/2001	NA	NA	NA	NA	NA
07/2001	NA	NA	NA	NA	NA
08/2001	NA	NA	NA	NA	NA
09/2001	2	6.5	<0.01	NA	NA
10/2001	NA	NA	NA	NA	NA
11/2001	NA	NA	NA	NA	NA
12/2001	NA	NA	NA	NA	NA
01/2002	NA	NA	NA	NA	NA
03/2002	2	6.7	<0.01	<0.0005 (2)	0.088
04/2002	NA	NA	NA	NA	NA
05/2002	NA	NA	NA	NA	NA
06/2002	NA	NA	NA	NA	NA
07/2002	NA	NA	NA	NA	NA
08/2002	<2	6.9	0.03	NA	NA
09/2002	NA	NA	NA	NA	NA
10/2002	NA	NA	NA	NA	NA
11/2002	NA	NA	NA	NA	NA
12/2002	NA	NA	NA	NA	NA
06/2003	NA	NA	NA	NA	NA
07/2003	NA	NA	NA	NA	NA
08/2003	NA	NA	NA	NA	NA
10/2003	NA	NA	NA	0.75	NA
11/2003	NA	NA	NA	1.9	NA
12/2003	NA	NA	NA	0.58	NA
2/2004	NA	NA	NA	NA	<0.5
3/2004	3	8.1	<0.01	0.85	0.023
4/2004	NA	NA	NA	<5.0	NA
5/2004	NA	NA	NA	<0.5	NA
6/2004	NA	NA	NA	5.6	NA
7/2004	NA	NA	NA	<0.5	NA
8/2004	NA	NA	NA	<0.5	NA
9/2004	NA	NA	NA	NA	NA
10/2004	NA	NA	NA	<0.5	NA
12/2004	NA	NA	NA	NA	NA
01/2005	NA	NA	NA	NA	NA
02/2005	NA	NA	NA	NA	NA
03/2005	<2.0	7.5	0.32	5.2	0.0725
04/2005	NA	NA	NA	1.8	NA
05/2005	NA	NA	NA	2.9	NA
06/2005	NA	NA	NA	<0.5	NA
07/2005	NA	NA	NA	<1.1	NA
08/2005	NA	NA	NA	NA	NA
09/2005	NA	NA	NA	<0.5	NA
10/2005	2	6.8	0.18	2	NA
11/2005	NA	NA	NA	<0.5	NA
12/2005	NA	NA	NA	<0.5	NA
01/2006	19	7.1	<0.1	1.85	0.035
02/2006	6.0 avg	NA	NA	<0.5	NA
03/2006	NA	6.5	NA	<0.5	NA
04/2006	NA	6.5	NA	<0.5	NA
08/2006	NA	NA	NA	NA	NA
09/2006	<5.0	7.3	0.2	NA	NA
12/1/2006	NA	NA	NA	0.893885 (3)	NA
01/2007	6	7.3	0.1	NA	0.117
04/2007	NA	NA	NA	NA	NA
7/11/2007	NA	NA	NA	0.807375 (3)	NA
11/2007	2	5.2	0.13	NA	NA

Notes

* 10mg/l is the average permit limit, and 15mg/l is the instantaneous maximum daily limit. The values reported in the table are average value

** None specified in the permit.

NA= Not Analyzed

All samples are grab samples.

(1) The PCB standard prior to May 1, 2006 was no detections at a detection limit of 0.5 ug/l for PCB aroclors, the current permit requires the analyses of 209 PCB congeners and does not specify a limit

(2) The detection limit may have not been accurately entered on the DMR

(3) Result is for 209 congeners per the NPDES Permit and PMP for the site