



SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS				
			GRAPH	LETTER					
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES				
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES				
				GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES				
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES				
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES				
				SM	SILTY SANDS, SAND - SILT MIXTURES				
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES				
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY				
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS				
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY				
	MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS			
					CH	INORGANIC CLAYS OF HIGH PLASTICITY			
					OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS			
				HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

LEGEND:

- HF - Artificial and Hydraulic Fill
- Qal - Alluvium
- Tkwu - Kirkwood Formation (upper)
- Tkwl - Kirkwood Formation (lower)
- Tvt - Vincentown Formation
- Tht - Hornerstown Formation
- Knv - Navesink Formation
- Kml - Mount Laurel Formation
- Kw - Wenonah Formation
- Kmt - Marshalltown Formation
- Ket - Englishtown Formation
- Kwb - Woodbury Formation
- Kmv - Merchantville Formation
- Kmg - Magothy Formation
- Kp3 - Potomac Formation
- WOH - Weight of Hammer
- Vs - Shear Wave Velocity
- Vp - Compression Wave Velocity
- LON, SHN - Long/Short Normal Transitivity
- NGAM - Natural Gamma
- SPR - Single Point Resistance
- N-Value - Standard Penetration Resistance, Blows per Foot (bpf)
- Stabilized Water Level

PSEG Power, LLC

PSEG SITE ESPA
Part 2, Site Safety Analysis Report

Boring Profile - NB-1
FIGURE 2.5.4.1-11C

REV 1

