



**SOIL CLASSIFICATION CHART**

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		<b>GW</b>	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		<b>GP</b>	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		<b>GM</b>	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		<b>SW</b>	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		<b>SP</b>	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		<b>SM</b>	SILTY SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		<b>ML</b>	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				<b>CL</b>	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				<b>OL</b>	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		<b>MH</b>	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				<b>CH</b>	INORGANIC CLAYS OF HIGH PLASTICITY
				<b>OH</b>	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				<b>PT</b>	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 2.5.4.7-1C

REV 1

(Reference: 2.5.4.1-8)

