



### SOIL CLASSIFICATION CHART

| MAJOR DIVISIONS      |  |   | SYMBOLS   |        | TYPICAL DESCRIPTIONS   |   |
|----------------------|--|---|---|--------|--|---|
|                      |  |   | GRAPH   | LETTER |  |   |
| COARSE GRAINED SOILS | GRAVEL AND GRAVELLY SOILS                                    | CLEAN GRAVELS<br><br>(LITTLE OR NO FINES)               |   | GW     | WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES  |   |
|                      |  | GRAVELS WITH FINES<br><br>(APPRECIABLE AMOUNT OF FINES) |   | GP     | POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES  |   |
|                      |  |   |   | GM     | SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES   |   |
|                      |  |   |   | GC     | CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES  |   |
|                      | MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE     | SAND AND SANDY SOILS                                    | CLEAN SANDS<br><br>(LITTLE OR NO FINES)               |        | SW   | WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES               |
|                      |  |   | SANDS WITH FINES<br><br>(APPRECIABLE AMOUNT OF FINES) |        | SM   | SILTY SANDS, SAND - SILT MIXTURES                                   |
| FINE GRAINED SOILS   | SILTS AND CLAYS  |   |   | SC     | CLAYEY SANDS, SAND - CLAY MIXTURES   |   |
|                      |  |   |   | 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   |   |        | MH   | INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS |
|                      |  |   |   |        | CH   | INORGANIC CLAYS OF HIGH PLASTICITY                                  |
| HIGHLY ORGANIC SOILS |  |   |   | OH     | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS  |   |
|                      |  |   |   | 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)
- Tvt - Vincenttown Formation
- Tht - Hornerstown Formation
- Knv - Navesink Formation
- Kml - Mount Laurel Formation
- Kw - Wenonah Formation
- Kmt - Marshelltown 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-8  
FIGURE 2.5.4.7-2B

REV 1

