**Section 816.520 Poz-O-Tec Monofills**

Any monofill receiving solely FGD sludges and coal combustion wastes produced by coal combustion power generating facilities shall be exempt from the requirements of 35 Ill. Adm. Code 811.105 (solely as it relates to the placement of wastes at the lowest part of the active face), 811.306, 811.307, 811.308, 811.309, 811.313 (solely as it relates to soil cover), 811.314(b)(3)(C) (solely to the extent that it may preclude Poz-O-Tec materials from being used as a landfill cap) and 811.321 (relating solely to waste placement), provided that:

a) The FGD sludges and coal combustion wastes have been processed into Poz-O-Tec materials;

b) The permeability of the liner constructed of Poz-O-Tec material is demonstrated to be less than or equal to 1 x 10-7 cm/sec after placement and curing based upon a geometric average of those cylinders tested for permeability which were formed from a single sample in accordance with Section 816.530(b);

c) The Poz-O-Tec material has an unconfined compressive strength of greater than or equal to 150 psi using an arithmetic average of the strength testing results obtained in accordance with Section 816.530;

d) The base of the monofill is constructed at least five feet above the average historical groundwater table;

e) A monofill liner and low permeability cap is constructed from the Poz-O-Tec materials as described in Section 816.510;

f) A drainage layer is constructed atop the monofill liner which has a permeability greater than or equal to 1 x 10-3 cm/sec which extends over the entire liner system of the monofill;

g) The material is placed in such a manner that it will form a monolithic block through placement of the material in one to two foot lifts, which are compacted, rolled to smooth and graded and sloped such that any rainfall rapidly runs off the upper surface without puddling;

h) At all times a berm is maintained around three sides of the landfill mass and the grading is such that the run-off is directed toward the open side where it is collected for reuse or treated (if necessary) and discharged pursuant to an NPDES permit;

i) The material testing procedures specified in Section 816.530 are implemented;

j) Construction of the full scale monofill may commence immediately upon completion of the test pad;

k) An acceptable groundwater impact assessment pursuant to 35 Ill. Adm. Code 811.371(b), 812.316, 813.304, or 815.203, as appropriate for the given facility, is prepared; and

l) Owners or operators using the Poz-O-Tec materials in accordance with this Section shall comply with the Illinois Environmental Protection Act [415 ILCS 5] and 35 Ill. Adm. Code 811, to the extent those provisions are not otherwise addressed herein.