Table E-6
Predicted Maximum Metal Concentrations in salt Accumulating in the OEP

CONSTITUENT	Predicted Metal Concentrations in Salt (1) (mg/Kg)	Predicted Soluble Values of Salt Residue (2) (mg/L)
SULFATE	137,996	
NITRATE	1,486	
BARIUM	668	67
FLUORIDE	133	13(3)
LEAD	55	5.5
IRON	1	
BORON	4	
MAGNESIUM	65,200	
MANGANESE	9,877	
POTASSIUM	17,088	
ANTIMONY	4	0.04
ARSENIC	6	0.06
CHROMIUM	3	0.29
COBALT	2	0.19
COPPER	3	0.03
MERCURY	0	0.03
MOLYBDENUM	2	0.2
STRONTIUM	81,284	
ZINC	1,305	131
RADIUM 226	0.5 (pCi/g)	
RADIUM 228	8.1 (pCi/g)	
URANIUM 234	3.1 (pCi/g)	
URANIUM 235	0.11(pCi/g)	
URANIUM 238	0.24(pCi/g)	
THORIUM 228	0.55(pCi/g)	
THORIUM 230	0.07 (pCi/g)	
THORIUM 232	0.02 (pCi/g)	
GROSS ALPHA	57.9 (pCi/g)	
GROSS BETA	69.2 (pCi/g)	

(1) Assuming moisture content is approximately 20 % of the total wieght of the residuel solids. Assumes constituent is 100 % insoluble and precipitated with salt.
(2) Assumes 100 % solubility of the salt and a 10:1 citrate buffer to salt ratio.
(3) Inorganic fluorides are only slightly soluble in water, and would be expected to have a solubility of less than 10%.
mg/KG = Milligrams per Kilogram
pCi/g = Picocuries per Gram
mg/L = Milligrams per liter