DEAR Mr. Pott

Enclosed you will Find our Radiological field Survey of your North LAKELAND Property. a TOTAL of 333 measurements were taken on the basis of a one tenth mile grid System, Terrain permitting. The Following TABLE is A Breakdown by Areas of this Survey. All measurements are in microroentgens per hour (μR/hr). They were TAKEN with a Ludlum 125 microR meter that was calibrated with a Ruten Stokes pressurized Ion chamber.

LOCATION	number of Readings	Exposure Rate (μ MEAN	RANGE
A) North of I-4 on SR 33	44	8	4 to 18
B) South of I-4 on SR 33	81	9	4 to 29
C) LK. Parker - old Combee Rd. - LK Parker Dr.	169	8	4 to 21
D) Adjacent to Power PLANT	39	8	4 to 29

Normal Background for This Area of Central florida is approximately 4 to 7 μR/hr, with A mean of 5 μR/hr. Exposure Rates exceeding this Range are indicative of elevated Soil Radium Content. Exposure Rates From this Property Ranged from 4 to 29 μR/hr. In Comparing these Rates to measurements relating outdoor gamma Exposure Rates to Indoor Radon Daughter working levels (WL) the following conclusions may be Drawn.

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have Indoor Radon Daughter Concentrations that

1. For location A approximately 10 percent of the Structures built on this Section will exceed .02 working levels (wl, 5 percent will exceed .03 wl

2. For Location B approximately 11 percent will exceed .02 wl and 6 percent will exceed .03 wl.

3. For Location C approximately 10 percent will exceed .02 wl and 5 percent will exceed .03 wl.

4. For Location D approximately 10 percent will exceed .02 wl and 5 percent will exceed .03 wl

These approximations should be valid for Slab on Grade Single family Structures Built on Reclaimed Phosphate lands and are based on a mean gamma Exposure Rate for this type of Structure. These Percentages Could be reduced Significantly by:

(1) Avoiding building in the areas that have higher gamma exposure rates. (*)

(2) Using a type of Construction that inhibits the passage of Radon gas into the living area of the structure.

(3) By incorporating into the home a device that either dilutes or reduces the amount of Radon GAS or Radon daughter Products.

Current E.P.A. Recomendations for a Control

level are 0.02 working levels while the State of Florida Recomendations are 0.03 wl.

I have enclosed two publications that should give you sufficent Background and technical Information to help you make decisions Concerning your property. I will also be available for any questions that you may have pertaining to this matter.

Sincerely

Since the Correlation between outside gamma Exposure Rates and Indoor Working levels is Not a perfect Relationship this method would ~~[illegible]~~ Not be the optimum method for reducing working levels inside the structure.