SCENARIO 1
Excavation is 10’ x 12’ to 8’ deep
S5 EPH = 5,300 ppm
S5 Contingents Pass
S1 through S4 EPH are all less than 1,000
EPH Average = 1,700 ppm

QUESTIONS
1). Can we request unrestricted use NFA using compliance averaging for EPH?
2). Do we have to delineate EPH at S5?
SCENARIO 2
Excavation extends to dwelling and is 12’ x 15’ to 10’ deep
S1 EPH = 5,800 ppm
S1 Naphthalene = 9 ppm
S2 through S5 EPH is less than 100 ppm
S2 through S5 Naphthalene was ND
EPH Average = 1,200 ppm
Naphthalene Average = 1.8 ppm

QUESTIONS
1). Can we request unrestricted use NFA using compliance averaging for EPH and Naphthalene?
2). Do we have to delineate EPH and/or naphthalene at S1?
QUESTIONS

1). Can we request unrestricted use NFA with de minimis quantity exception?
2). Do we have to delineate naphthalene at S1?
SCENARIO 4
Excavation extends to within 2 feet of dwelling
Excavation is 12’ x 15’ to 12’ deep
Soil is sandy
S1 EPH = 6,300 ppm
S1 Contingents pass
S2 through S5 EPH all less than 5,100 ppm
EPH Average = 5,400 ppm
Can’t dig closer to house without supporting house
Physical constraints prevent removing additional soil in other directions
Delineation of EPH around S1 shows volume of soil with EPH over 5,100 ppm is 12 cubic yards.

QUESTIONS

1). Can we request variance to request unrestricted use NFA with de minimis quantity exception?
SCENARIO 5
Excavation extends to within 2 feet of dwelling
Excavation is 12’ x 15’ to 12’ deep
Soil is sandy
S1 EPH = 6,300 ppm
S1 Contingents pass
S2 through S5 EPH all less than 5,100 ppm
EPH Average = 5,400 ppm
Can’t dig closer to house without supporting house
Excavation in other directions is possible

QUESTIONS

1). Can we dig out more soil in other directions until those locations have EPH concentrations low enough to bring average below 5,100 ppm and then request an unrestricted use NFA using compliance averaging?
SCENARIO 6
Excavation extends to within 2 feet of dwelling
Excavation is 12’ x 15’ to 12’ deep
Soil is sandy
S1 EPH = 6,300 ppm
S1 Contingents pass
S2 through S5 EPH all less than 5,100 ppm
EPH Average = 5,400 ppm
Can’t dig closer to house without supporting house
Excavation in other directions is not possible

1). If we collect the three additional samples shown and those EPH concentrations are low enough to bring EPH average below 5,100 ppm can we then request an unrestricted use NFA using compliance averaging?
SCENARIO 7 – USING 75/10 COMPLIANCE AVERAGING PROCEDURE

Excavation extends to within 2 feet of dwelling
Excavation is 12’ x 15’ to 12’ deep
Soil is sandy
S1 EPH = 6,300 ppm
S8 EPH = 5,200 ppm
S1 Contingents pass
S2 through S7 EPH all less than 5,100 ppm
EPH Average = 4,900 ppm
Can’t dig closer to house without supporting house
Excavation in other directions is not possible

QUESTIONS

1). Can we request an unrestricted use NFA using 75/10 compliance averaging since 75% of the samples are below 5,100 ppm EPH and no sample is more than 10X the standard?

2). If we collect 8 samples for naphthalene and two are above 8 ppm and average is above 8 ppm but no sample is higher than 20 ppm can we request an unrestricted use NFA using the 75/10 compliance averaging since 75% of the samples are below the standard and none exceeded the standard by more than 10X?