UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUL 10 1980

OFFICE OF ENFORCEMENT

US EPA RECORDS CENTER REGION 5
506992

Dr. Bernie Daniel
Health Effects Research
Laboratory
26 West St. Clair
Cincinnati, Ohio 45268

Dear Dr. Daniel:

Enclosed are several lists of polycyclic aromatic hydrocarbons found in drinking water and industrial wells in the St. Louis Park Minnesota area. I asked my technical person to use moderately contaminated wells. As we discussed on the telephone on July 2, 1980, it would be very helpful if you could review these lists and comment on the synergistic (or antagonistic) effects of these particular combinations of chemicals.

Any comments that you could make about the effect that these particular concentrations could have on public health would also by very useful to us. Thank you for your time and attention in this matter.

Very Truly yours,

Maureen A. Brennan

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Enclosure (1)

cc: Dennis Devlin
Frank Biros
Robert Leininger
Erica Dolgin

006297

RECEIVED
JUL 15 1980
ENFORCEMENT DIVISION
EPA-REGION V

St. Louis Park Well #4 Sample Date: 1-9-80

2-methylnaphthalene	200 ng/l
Acenaphthalene	530 ng/l
Biphenyl	99 ng/l
Anthracene	<1.5 ng/l
Phenanthrene	120 ng/l
Pyrene	<14 ng/l
1,2,6,7-tetrahydropyrene	<15 ng/l
Fluorene	120 ng/l
Fluoranthene	6.8 ng/l
1,2-benzanthracene	<6.6 ng/l
Chrysene	4.0 ng/l
Benzo(a) pyrene	<8.5 ng/l
9,10-benzphenanthrene	<2.0 ng/l
Benzo(e) pyrene	<7.3 ng/l
Perylene	<2.0 ng/l
Benzo(ghi) fluoranthene	<14.0 ng/l
Benzo(k) fluoranthene	<2.5 ng/l
Benzo(j) fluoranthene	<8.7 ng/l
o-phenylenepyrene	<3.6 ng/l
1,2,3,4-dibenzanthracene	<7.5 ng/l

St Louis Park Well #10 Sample Date:
Depth: 500 ft

Anthracene	54 ng/l
Pyrene	486 ng/l
Fluoranthene	152 ng/l
Benzo(a) pyrene	63 ng/l
Benzo(g,h,i) perylene	4.4 ng/l
o-phenylenepyrene	<1.2 ng/l
Naphthacene	80 ng/l

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St. Louis Park Well #15
Depth 503 ft

Anthracene	240 ng/l
Pyrene	1221 ng/l
Fluoranthene	292 ng/l
Benzo(a) pyrene	1.5 ng/l
Benzo(g,h,i) perylene	6.8 ng/l
o-phenylenepyrene	2.0 ng/l
Naphthacene	160 ng/l

St Louis Park Industrial Well Sample Date: 2-9-7[illegible]

2-methylnaphthalene	840 ng/l
Acenaphthalene	<130 ng/l
Biphenyl	300 ng/l
Anthracene	< 7.7 ng/l
Phenanthrene	150 ng/l
Pyrene	< 80 ng/l
1,2,6,7-tetrahydropyrene	< 99 ng/l
Fluorene	1400 ng/l
Fluoranthene	9.2 ng/l
1,2-benzanthracene	260 ng/l
Chrysene	< 43 ng/l
Benzo (a) pyrene	0.80 ng/l
9,10-benzphenanthrene	94 ng/l
Benzo(e) pyrene	< 79 ng/l
Perylene	< 1.5 ng/l
Benzo(g,h,i) perylene	52 ng/l
Benzo(k) fluoranthene	26 ng/l
Benzo(j) fluoranthene	< 1.7 ng/l
o-phenylenepyrene	16 ng/l
1,2,3,4-dibenzanthracene	< 47 ng/l
Benzo (b) fluoranthene	2.9 ng/l