



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

APR 14 1988

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Mr. John S. Thornton, Manager
Registrations,
Research and Development
Mobay Corporation
Agricultural Chemicals Division
P.O. Box 4913
Kansas City, Missouri 64120-0013

Dear Mr. Thornton:

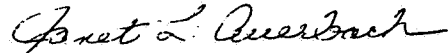
Enclosed is a copy of the Agency's review of Mobay's interim report submitted January 12, 1988, concerning a one-year air monitoring study of homes treated with the termiticide product PRYFON 6® (EPA reg. no. 3125-339). This submission was your response to EPA's data call-in notice of October 28, 1987, which required, among other things, the submission of a proposed protocol for conducting an air monitoring study. The January 12 submission reported data from a monitoring study already in progress, and requested that the procedures specified in the interim report serve as the required protocol.

The Agency has reviewed the interim report (MRID number 404714) and concluded that the study design is acceptable as a response to the data call-in notice; the procedures set forth in the study may serve as the protocol. Since the report includes only interim (90 day) data, the Agency has not reached any conclusions at this time concerning exposure (or risks) associated with PRYFON 6® as a termiticide.

The Agency has determined that certain quality assurance information must be submitted along with the final report of this study in order for the study to be fully acceptable. Specifically, the Agency needs documentation of the limits of detection for isofenfos reported in the study, and also on the storage stability of samples.

If you have any questions concerning this matter, please contact Jim Roelofs of my staff (telephone 557-0064).

Sincerely,



Janet L. Auerbach, Chief
Special Review Branch
Registration Division

Enclosure

cc: William H. Miller, RD/PM-16
Michael Firestone, HED/EAB

1.0 INTRODUCTION

In October 1987, the Agency issued a Data-Call-In Notice (DCI) requiring air monitoring data from homes treated with the termiticide PRYFON 6. PRYFON 6 is registered as an emulsifiable concentrate (EC) containing 65 percent isofenphos as the active ingredient. Mobay Corporation, the registrant for this termiticide, has responded with a study measuring airborne concentrations of isofenphos in homes treated with the termiticide (MRID No. 404714). The registrant has requested that the interim report of the first 90 days of the one year study serve as the protocol required by the DCI.

Isofenphos is applied to form a continuous chemical barrier in the soil around and under the structure. The emulsion is typically applied by soil injection (rodding), injection into holes drilled in the slab (subslab injection), or treatment of shallow trenches dug around the structure.

2.0 DESCRIPTION OF STUDY

Nine homes, three each of slab, basement, and crawlspace construction, were treated with an emulsion containing PRYFON 6. The treatment mixture was prepared by adding the formulation with water to form a 0.75 percent emulsion. The amounts of finished emulsion applied to each house are presented in Appendix A.

The three slab homes were treated by soil injection into the soil around the structure. The areas under the foundation for two of these homes were treated by injection through holes created by drilling at an angle through the slab from outside the foundation. The soil beneath the foundation of the third slab house was treated by injection through holes drilled directly in the slab from inside the living space. In the crawlspace and basement construction homes the treatments were made by soil injection outside the structure and by subslab injection through holes drilled in the slab from inside the structure. All drill holes were filled with quick drying cement after completion of the application.

Air samples were collected from the living room, kitchen, and a first floor bedroom of each of the homes before treatment, during application, 24 hours after treatment, and at intervals of 7, 30, and 90 days post treatment. Air in the crawlspaces and basements of appropriate homes were also sampled at all intervals except before treatment.

Airborne concentrations of isofenphos were determined by drawing air, at a known rate using personal sampling pumps, through tubes containing XAD-2 resin as the trapping medium. The sampling pumps were calibrated before and after sampling. Two co-locational samples were collected in each room at each interval. The

samples were collected near the center of the room with the heating/air conditioning running whenever possible. Temperature and Relative humidity were also recorded.

The XAD-2 tubes were desorbed with t-butyl methyl ether and isofenphos, defined as the sum of the levels of the parent compound and its oxygen analog, was quantified by gas chromatography using a nitrogen-phosphorus detector. The sampling times and corresponding estimations of detection limits are presented in Table 1. The actual detection limits varied somewhat depending on the volume of air sample collected.

Table 1. Sampling Times, Volumes Sampled, and Approximate Detection Limits for Sampling of Indoor Air for Isofenphos.

Sampling Interval	Sample Time	Air Volume (L)	Approximate Detection Limit (ug/m ³)
Pre-Treatment	8 Hrs	480	0.04
During Applic.	4 Hrs	240	0.08
Immediately After Applic.	8 Hrs	480	0.04
After 24 Hrs	8 Hrs	480	0.04
After 7 Days	8 Hrs	480	0.04
After 30 Days	8 Hrs	480	0.04
After 90 Days	8 Hrs	480	0.04

3.0 RESULTS

The reported air concentration for all samples are presented in Appendix B. Although there were some samples with higher values than others taken in the home, there were no significant differences between the levels found in the different rooms on the first floor of the homes (Kruskal-Wallis, $p < 0.05$). There was no appreciable difference between the levels found on the first floor of the three construction types. Levels detected in the crawlspaces and basements tended to be somewhat higher although this trend was not evident in all basement homes. The concentrations in these areas tended to decrease over time unlike the concentrations observed in the first floor rooms which remained constant at or near the level of detection. The mean values for first floor rooms and basements are presented in Table 2. The concentrations of isofenphos found in the laundry room of one home which experienced an overrun during treatment are also presented in Table 2.

Table 2. Mean Concentrations of Isophenphos in the Indoor Air of Homes Treated With
PRYFON 6 for Subterranean Termite Control.

Construction Type	House No.	Pre-Treatment	Mean Isophenphos Concentration (ug/m ³) at Interval	Post Application Interval				
				During Application	Immediately	24 Hrs	7 Days	30 Days
Slab	1	ND	0.064	0.036	0.042	0.046	0.023	0.023
	2	ND	0.092	0.099	0.047	0.023	0.023	0.023
	3	ND	0.036	0.083	0.023	0.025	0.023	0.023
	MEAN	--	0.064	0.073	0.037	0.031	0.023	0.023
Crawlspace (First Floor)	4	ND	0.11	0.15	0.048	0.033	0.022	0.022
	6	ND	0.084	0.033	0.023	0.023	0.029	0.021
	8	ND	0.065	0.053	0.023	0.023	0.023	0.023
	MEAN	--	0.086	0.079	0.031	0.026	0.025	0.022
Crawlspace (in Crawlspace)	4	ND	1.6	0.36	0.31	0.34	0.26	0.29
	6	ND	0.50	1.2	0.54	0.45	0.41	0.079
	8	ND	0.20	0.33	0.27	0.13	0.093	0.080
	MEAN	--	0.77	0.63	0.37	0.31	0.25	0.15
Crawlspace (Laundry Room)	4	--	0.76	0.68	0.74	0.17	0.13	0.22
Basement (First Floor)	5	ND	0.049	0.033	0.023	0.072	0.021	0.022
	7	ND	0.057	0.024	0.022	0.023	0.026	0.18
	9	ND	0.065	0.025	0.022	0.024	0.023	0.023
	MEAN	--	0.042	0.027	0.022	0.040	0.023	0.075
Basement (in Basement)	5	ND	0.049	0.056	0.023	0.023	0.022	0.022
	7	ND	0.18	0.085	0.098	0.067	0.054	0.035
	9	ND	0.054	0.025	0.023	0.024	0.023	0.022
	MEAN	--	0.094	0.055	0.048	0.038	0.033	0.026

4.0 Estimation of Exposures

In order to estimate the potential respiratory exposures of individuals occupying homes treated isofenphos a number of assumptions were required:

- 1) An average 60 kg resident is in the home for 15 hours per day, 10 hours at rest and 5 performing light tasks. The respiratory volumes for a person at rest and performing light tasks are 0.27 and 0.96 m³ per hour, respectively (EPA Pesticide Assessment Guidelines - Subdivision U, 1987). The total daily respiratory volume is therefore 7.5 m³.
- 2) The concentrations in the home remain constant at the levels determined 90 days after treatment. There was no indication of decline in airborne concentrations after this time.
- 3) It was assumed that the exposures to isofenphos are represented by the highest concentration found in the living space (including basements) at a given sampling interval. EAB realizes that this may overestimate exposures to some extent but, in lieu of additional replicates, has taken a conservative approach and used the highest measured values for this assessment.
- 4) Air concentrations reported as none detected were evaluated by using an air concentration equal to the limit of detection in the exposure calculations.

The potential daily exposure of a resident was calculated using the following equation:

$$\text{Exposure (ug/kg/day)} = \frac{\text{Maximum Concentration (ug/m}^3\text{)}}{1} \times 7.5 \text{ m}^3/\text{day} \times 1/60 \text{ kg bw}$$

The estimated daily exposures of residents to isofenphos are presented in Table 3.

4.0 Conclusions

The registrant has submitted an interim report of an ongoing study and has requested that this study serve as the protocol required by the DCI. The study has only 3 replicates for each of the three construction types. Despite this weakness EAB agrees that prior submission of a protocol, while desirable, is not necessary for this study and accepts the study design as an appropriate response to the DCI. However, the interim report, as currently submitted, is incomplete. Quality assurance information, including the documentation of the limits of detection and storage stability were not reported in this submission. This data must be submitted with the final report

for this study. Until these data are submitted, the estimates of exposure provided in this review must be considered to be interim and any risk evaluations derived from them must be interpreted cautiously.

Table 3. Estimates of Respiratory Exposure of Residents to Isofenphos in Homes Treated with PRYFON 6 for Subterranean Termite Control.

Construction Type	House No.	Respiratory Exposure (ug/kg/day)			
		On Day of Treatment	After Application		After 30 Days
Slab	1	6.8×10^{-3}	2.0×10^{-2}	2.9×10^{-3}	2.9×10^{-3}
	2	8.4×10^{-3}	3.0×10^{-3}	2.9×10^{-3}	2.9×10^{-3}
	3	2.9×10^{-3}	4.8×10^{-3}	2.9×10^{-3}	2.9×10^{-3}
	MEAN	6.0×10^{-3}	9.3×10^{-3}	2.9×10^{-3}	2.9×10^{-3}
Crawlspace	4	1.3×10^{-2}	1.1×10^{-2}	2.8×10^{-3}	2.9×10^{-3}
	6	3.4×10^{-3}	2.9×10^{-3}	5.8×10^{-3}	2.6×10^{-3}
	8	3.8×10^{-3}	2.9×10^{-3}	3.0×10^{-3}	3.0×10^{-3}
	MEAN	6.7×10^{-3}	5.6×10^{-3}	3.9×10^{-3}	2.8×10^{-3}
ement	5	2.9×10^{-3}	3.0×10^{-3}	2.8×10^{-3}	2.8×10^{-3}
	7	1.3×10^{-2}	9.6×10^{-3}	1.0×10^{-2}	9.3×10^{-2}
	9	1.1×10^{-2}	3.4×10^{-3}	2.9×10^{-3}	3.0×10^{-3}
	MEAN	9.0×10^{-3}	5.3×10^{-3}	5.2×10^{-3}	3.3×10^{-2}

David Jaquith

David Jaquith
Special Review Section 2
Exposure Assessment Branch
Hazard Evaluation Division (TS-769C)

Appendix A. Application Parameters for Homes Treated with
PRYFON 6 Termiticide.

CONSTRUCTION TYPE	NO.	DATE OF TREATMENT USED (gal)	AMOUNT OF EMULSION
SLAB	1	06/08/87	150
SLAB	2	06/08/87	195
SLAB	3	06/08/87	150
CRAWLSPACE	6	06/11/87	225
CRAWLSPACE	4	06/11/87	200
CRAWLSPACE	8	06/16/87	100
BASEMENT	5	06/11/87	100
BASEMENT	7	06/16/87	200
BASEMENT	9	06/16/87	200

Appendix B. Air Concentrations of Isofenphos Measured in Homes Treated with PRYFON 6 for Subterranean Termite Control. Values are in ug per cubic meter.

CONSTRUCTION TYPE	HOUSE NO.	DATE OF TREATMENT	REPLICATE	INTERVAL	KITCHEN	LIVING ROOM	BEDROOM
SLAB	1	06/08/87	1	Background	ND	ND	ND
SLAB	1	06/08/87	2	Background	ND	ND	ND
SLAB	1	06/08/87	1	During Treat.	0.065	0.075	0.067
SLAB	1	06/08/87	2	During Treat.		0.056	0.57
SLAB	1	06/08/87	1	Immed. After	0.049	0.031	0.031
SLAB	1	06/08/87	2	Immed. After		0.033	0.037
SLAB	1	06/08/87	1	After 24 Hrs.	0.042	0.037	0.026
SLAB	1	06/08/87	2	After 24 Hrs.	0.055	0.070	0.025
SLAB	1	06/08/87	1	After 7 Days	0.16	0.021	0.022
SLAB	1	06/08/87	2	After 7 Days	0.021	0.024	0.029
SLAB	1	06/08/87	1	After 30 Days	0.023	0.023	0.023
SLAB	1	06/08/87	2	After 30 Days	0.023	0.023	0.023
SLAB	1	06/08/87	1	After 90 Days	0.023	0.023	0.022
SLAB	1	06/08/87	2	After 90 Days	0.023	0.023	0.022
SLAB	2	06/08/87	1	Background	ND	ND	ND
SLAB	2	06/08/87	2	Background	ND	ND	ND
SLAB	2	06/08/87	1	During Treat.	0.13	0.042	0.092
SLAB	2	06/08/87	2	During Treat.	0.13	0.063	0.095
SLAB	2	06/08/87	1	Immed. After	0.21	0.061	0.049
SLAB	2	06/08/87	2	Immed. After	0.11	0.093	0.069
SLAB	2	06/08/87	1	After 24 Hrs.	0.061	0.054	0.030
SLAB	2	06/08/87	2	After 24 Hrs.	0.067	0.044	0.023
SLAB	2	06/08/87	1	After 7 Days		0.023	0.022
SLAB	2	06/08/87	2	After 7 Days	0.023	0.022	0.024
SLAB	2	06/08/87	1	After 30 Days	0.023	0.023	0.023
SLAB	2	06/08/87	2	After 30 Days	0.023	0.023	0.023
SLAB	2	06/08/87	1	After 90 Days	0.023	0.023	0.023
SLAB	2	06/08/87	2	After 90 Days	0.023	0.023	0.023

Appendix B. (Continued) Air Concentrations of Isofenphos Measured in Homes Treated with
PRYFON 6 for Subterranean Termite Control. Values are in ug per cubic meter.

CONSTRUCTION TYPE	HOUSE NO.	DATE OF TREATMENT	REPLICATE	INTERVAL	KITCHEN	LIVING ROOM	BEDROOM
SLAB	3	06/08/87	1	Background	ND	ND	ND
SLAB	3	06/08/87	2	Background	ND	ND	ND
SLAB	3	06/08/87	1	During Treat.	0.036	0.036	0.036
SLAB	3	06/08/87	2	During Treat.	0.036	0.036	0.036
SLAB	3	06/08/87	1	Immed. After	0.026	0.026	0.026
SLAB	3	06/08/87	2	Immed. After	0.026	0.37	0.026
SLAB	3	06/08/87	1	After 24 Hrs.	0.023	0.023	0.023
SLAB	3	06/08/87	2	After 24 Hrs.	0.023	0.023	0.023
SLAB	3	06/08/87	1	After 7 Days	0.023	0.023	0.023
SLAB	3	06/08/87	2	After 7 Days	0.038	0.022	0.023
SLAB	3	06/08/87	1	After 30 Days	0.023	0.023	0.023
SLAB	3	06/08/87	2	After 30 Days	0.023	0.023	0.023
SLAB	3	06/08/87	1	After 90 Days	0.023	0.023	0.023
SLAB	3	06/08/87	2	After 90 Days	0.023	0.023	0.023

Appendix B. (Continued) Air Concentrations of Isofenphos Measured in Homes Treated with PRYFON 6 for Subterranean Termite Control. Values are in ug per cubic meter.

CONSTRUCTION TYPE	HOUSE NO.	DATE OF TREATMENT	REPLICATE	INTERVAL	KITCHEN	LIVING	BEDROOM	CRAWL SPACE	LAUNDRY
CRAWLSPACE	4	06/11/87	1	Background	ND	ND	ND	ND	
CRAWLSPACE	4	06/11/87	2	Background	ND	ND	ND	1.7	
CRAWLSPACE	4	06/11/87	1	During Treat.	0.045	0.28	0.039	1.4	
CRAWLSPACE	4	06/11/87	2	During Treat.	0.042	0.22	0.040	0.31	
CRAWLSPACE	4	06/11/87	1	Immed. After	0.036	0.064	0.031	0.41	0.76
CRAWLSPACE	4	06/11/87	2	Immed. After	0.035	0.72	0.031	0.23	0.68
CRAWLSPACE	4	06/11/87	1	After 24 Hrs.	0.10	0.023	0.022	0.39	0.74
CRAWLSPACE	4	06/11/87	2	After 24 Hrs.	0.052	0.023	0.069	0.35	0.16
CRAWLSPACE	4	06/11/87	1	After 7 Days	0.087	0.022	0.022	0.32	0.17
CRAWLSPACE	4	06/11/87	2	After 7 Days	0.024	0.022	0.022	0.28	0.13
CRAWLSPACE	4	06/11/87	1	After 30 Days	0.021	0.022	0.022	0.24	0.13
CRAWLSPACE	4	06/11/87	2	After 30 Days	0.022	0.022	0.023	0.17	0.17
CRAWLSPACE	4	06/11/87	1	After 90 Days	0.022	0.022	0.023	0.40	0.27
CRAWLSPACE	4	06/11/87	2	After 90 Days	0.022	0.022	0.023		
CRAWLSPACE	6	06/11/87	1	Background	ND	ND	ND	ND	
CRAWLSPACE	6	06/11/87	2	Background	ND	ND	ND	0.52	
CRAWLSPACE	6	06/11/87	1	During Treat.	0.046	0.24	0.043	0.47	
CRAWLSPACE	6	06/11/87	2	During Treat.	0.046		0.046	1.2	
CRAWLSPACE	6	06/11/87	1	Immed. After	0.033		0.031	1.2	
CRAWLSPACE	6	06/11/87	2	Immed. After	0.033		0.033	0.42	
CRAWLSPACE	6	06/11/87	1	After 24 Hrs.	0.023	0.023	0.023	0.66	
CRAWLSPACE	6	06/11/87	2	After 24 Hrs.	0.027	0.022	0.022	0.48	
CRAWLSPACE	6	06/11/87	1	After 7 Days	0.023	0.023	0.023	0.42	
CRAWLSPACE	6	06/11/87	2	After 7 Days	0.023	0.023	0.023	0.51	
CRAWLSPACE	6	06/11/87	1	After 30 Days	0.027	0.022	0.046	0.31	
CRAWLSPACE	6	06/11/87	2	After 30 Days	0.024	0.022	0.033	0.072	
CRAWLSPACE	6	06/11/87	1	After 90 Days	0.020		0.021	0.085	
CRAWLSPACE	6	06/11/87	2	After 90 Days	0.021	0.021	0.021		

Appendix B. (Continued) Air Concentrations of Isofenphos Measured in Homes Treated with
PRYFON 6 for Subterranean Termite Control. Values are in ug per cubic meter.

CONSTRUCTION TYPE	HOUSE NO.	DATE OF TREATMENT	REPLICATE	INTERVAL	KITCHEN	LIVING ROOM	BEDROOM	CRAWL- SPACE
CRAWLSPACE	8	06/16/87	1	Background	ND	ND	ND	
CRAWLSPACE	8	06/16/87	2	Background	ND	ND	ND	
CRAWLSPACE	8	06/16/87	1	During Treat.	0.064	0.064	0.063	0.16
CRAWLSPACE	8	06/16/87	2	During Treat.	0.067	0.067	0.063	0.24
CRAWLSPACE	8	06/16/87	1	Immed. After	0.030	0.067	0.024	0.33
CRAWLSPACE	8	06/16/87	2	Immed. After	0.074	0.055	0.066	
CRAWLSPACE	8	06/16/87	1	After 24 Hrs.	0.030	0.022	0.022	0.33
CRAWLSPACE	8	06/16/87	2	After 24 Hrs.	0.022	0.022	0.022	0.21
CRAWLSPACE	8	06/16/87	1	After 7 Days	0.023	0.023	0.023	0.14
CRAWLSPACE	8	06/16/87	2	After 7 Days	0.023	0.023	0.023	0.12
CRAWLSPACE	8	06/16/87	1	After 30 Days	0.024	0.023	0.024	0.12
CRAWLSPACE	8	06/16/87	2	After 30 Days	0.023	0.023	0.023	0.066
CRAWLSPACE	8	06/16/87	1	After 90 Days	0.024	0.023	0.023	0.06
CRAWLSPACE	8	06/16/87	2	After 90 Days	0.024	0.023	0.023	0.10

Appendix B. (Continued) Air Concentrations of Isofenphos Measured in Homes Treated with
PRYFON 6 for Subterranean Termite Control. Values are in ug per cubic meter.

CONSTRUCTION TYPE	HOUSE NO.	DATE OF TREATMENT	REPLICATE	INTERVAL	KITCHEN	LIVING	BEDROOM	BASEMENT
BASEMENT	5	06/11/87	1	Background	ND	ND	ND	ND
BASEMENT	5	06/11/87	2	Background	ND	ND	ND	ND
BASEMENT	5	06/11/87	1	During Treat.	0.049	0.049	0.049	0.049
BASEMENT	5	06/11/87	2	During Treat.	0.049	0.049	0.049	0.049
BASEMENT	5	06/11/87	1	Immed. After	0.033	0.033	0.033	0.050
BASEMENT	5	06/11/87	2	Immed. After	0.033	0.033	0.033	0.062
BASEMENT	5	06/11/87	1	After 24 Hrs.	0.023	0.022	0.023	0.022
BASEMENT	5	06/11/87	2	After 24 Hrs.	0.023	0.023	0.022	0.023
BASEMENT	5	06/11/87	1	After 7 Days	0.022	0.024	0.022	0.023
BASEMENT	5	06/11/87	2	After 7 Days	0.022	0.022	0.022	0.023
BASEMENT	5	06/11/87	1	After 30 Days	0.022	0.022	0.018	0.022
BASEMENT	5	06/11/87	2	After 30 Days	0.022	0.022	0.018	0.022
BASEMENT	5	06/11/87	1	After 90 Days	0.022	0.022	0.018	0.022
BASEMENT	5	06/11/87	2	After 90 Days	0.022	0.022	0.022	0.022
BASEMENT	5	06/11/87	1	After 90 Days	0.020	0.023	0.022	0.022
BASEMENT	7	06/16/87	1	Background	ND	ND	ND	ND
BASEMENT	7	06/16/87	2	Background	ND	ND	ND	ND
BASEMENT	7	06/16/87	1	During Treat.	0.057	0.057	0.057	0.14
BASEMENT	7	06/16/87	2	During Treat.	0.057	0.057	0.057	0.21
BASEMENT	7	06/16/87	1	Immed. After	0.023	0.023	0.023	0.079
BASEMENT	7	06/16/87	2	Immed. After	0.023	0.023	0.030	0.091
BASEMENT	7	06/16/87	1	After 24 Hrs.	0.021	0.022	0.022	0.095
BASEMENT	7	06/16/87	2	After 24 Hrs.	0.022	0.022	0.022	0.10
BASEMENT	7	06/16/87	1	After 7 Days	0.023	0.023	0.023	0.056
BASEMENT	7	06/16/87	2	After 7 Days	0.023	0.022	0.023	0.077
BASEMENT	7	06/16/87	1	After 30 Days	0.026	0.024	0.024	0.081
BASEMENT	7	06/16/87	2	After 30 Days	0.025	0.034	0.024	0.026
BASEMENT	7	06/16/87	1	After 90 Days	0.74	0.22	0.026	0.035
BASEMENT	7	06/16/87	2	After 90 Days	0.035	0.035	0.035	0.035

Appendix B. (Continued) Air Concentrations of Isofenphos Measured in Homes Treated with
 PRYFON 6 for Subterranean Termite Control. Values are in ug per cubic meter.

CONSTRUCTION TYPE	HOUSE NO.	DATE OF TREATMENT	REPLICATE	INTERVAL	KITCHEN	LIVING	BEDROOM	BASEMENT
BASEMENT	9	06/16/87	1	Background	ND	ND	ND	ND
BASEMENT	9	06/16/87	2	Background	ND	ND	ND	ND
BASEMENT	9	06/16/87	1	During Treat.	0.052	0.052	0.091	0.055
BASEMENT	9	06/16/87	2	During Treat.	0.052	0.052	0.088	0.052
BASEMENT	9	06/16/87	1	Immed. After	0.025	0.025	0.027	0.025
BASEMENT	9	06/16/87	2	Immed. After	0.025	0.025	0.025	0.025
BASEMENT	9	06/16/87	1	After 24 Hrs.	0.022	0.022	0.022	0.022
BASEMENT	9	06/16/87	2	After 24 Hrs.	0.023	0.022	0.022	0.023
BASEMENT	9	06/16/87	1	After 7 Days	0.023	0.024	0.027	0.024
BASEMENT	9	06/16/87	2	After 7 Days	0.023	0.023	0.024	0.024
BASEMENT	9	06/16/87	1	After 30 Days	0.023	0.023	0.023	0.023
BASEMENT	9	06/16/87	2	After 30 Days	0.023	0.023	0.023	0.023
BASEMENT	9	06/16/87	1	After 90 Days	0.022	0.024	0.022	0.022
BASEMENT	9	06/16/87	2	After 90 Days	0.022	0.024	0.022	0.022