



UNITED
TECHNOLOGIES
PRATT & WHITNEY
AIRCRAFT

P. O. Box 2691
West Palm Beach, Florida 33402
305/840-2000

Government Products Division

June 8, 1983

Roy M. Duke
District Manager
Department of Environmental Regulation
P. O. Box 3858
West Palm Beach, FL 33402

Dear Mr. Duke:

As discussed in our meeting on June 3 a copy of our meeting minutes, PCB data tabulation, and fish data tabulation are forwarded. Much of the tabulated sample data used in the meeting has so far been transmitted by phone only from the laboratories to Pratt & Whitney and Dames & Moore. Consequently it could be prone to some transcription error and will be further verified once the formal laboratory data is received. Should there be changes, we will forward them to you.

Since the time of our meeting we have further researched our files, made corrections, and included additional data based on our research to ensure that the data tabulation dated June 8, 1983 attached to this transmittal is as complete and accurate as possible. We have also included some explanatory notes not contained in the table discussed at the meeting which should help clarify certain data points. We have included sufficient copies of the June 8, 1983 tabulated data for you to distribute to the meeting attendees and recommend that to minimize confusion you replace the meeting handout with the June 8, 1983 tabulation.

Based on the DER's request at the meeting a milestone schedule for as far in advance as we can currently reasonably project is included with this transmittal. As discussed in the meeting, should it be necessary to enter into a more formal agreement with the Department of Environmental Regulation (DER) and Palm Beach County Health Department (PBCHD) relative to this or any other schedule, we would appreciate the opportunity to have further discussions with you after our legal staff has had a chance to investigate the matter with the DER's and PBCHD's counsel.

Sincerely,

J. L. Seelinger, Manager
Utilities Operations/Environmental Affairs

JLS/pt 1316

Attachments

cc: M. O. Brown
F. J. Gargiulo
C. Gupton
R. J. Guthrie
R. H. Henson

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JUN 8 1983

Dept. of Environmental Reg.
West Palm Beach



Pratt & Whitney PCB Schedule - June 8, 1983

Note: Soil and Sediment are Handled Separately

<u>Milestone</u>	<u>Projected Completion Date</u>
1. Forward Dames & Moore report to DER and PBCHD.	Week of June 20
2. Put specification out to bid for cleanup design contractor and manager.	End of June 1983
3. Select clean up design contractor and manager.	End of August 1983
4. Resolve sediment contamination anomalies between data sets.	End of September 1983
5. Complete design plans for contaminated soil removal (projected date for completion to be determined by end of October 1983).	To be determined
6. Review contaminated soil removal design plans with regulatory agencies (projected completion date to be determined by end of October 1983).	To be determined
7. Commence removing contaminated soil (projected completion date to be determined by end of October 1983).	To be determined
8. Complete removing contaminated soil (projected completion date to be determined within 30 days after commencement of removal).	To be determined
9. Complete design plans for handling contaminated sediment (projected completion date to be determined by end of October 1983).	To be determined
10. Review contaminated sediment handling plans with regulatory agencies (projected completion date to be determined by end of October 1983).	To be determined
11. Commence contaminated sediment handling plan (projected completion date to be determined by end of December 1983).	To be determined
12. Complete contaminated sediment handling plan (a date for projecting completion date cannot be determined at this time.	To be determined

PCB Meeting Minutes of June 3, 1983

On June 3, 1983 Pratt & Whitney (P&W) and Dames & Moore met with the Florida Department of Environmental Regulation (DER) and Palm Beach County Health Department (PBCHD) to update the respective agencies on the new PCB sample data and the differences between that data and the data collected in 1981.

The meeting was attended by:

Pratt & Whitney

Ron Henson
Jim Seelinger

Department of Environmental Regulation

Roy Duke
John Guidry
Charles Ouseph
Jim Williams

Dames & Moore

Charles Gupton
Dave Hawkins
Dane Horna

Palm Beach County Health Department

Jim Barry
Frank Gargiulo
Dale Travis

Dames & Moore presented the differences in the 1983 sediment data from the 1981 data. Dames & Moore's conclusion was that the differences do not seem to be a function of laboratories but rather of sampling technique, i. e. drag sample, versus clamshell, versus core sample. Dames & Moore presented a tabulation of sample data with sample maps against which to correlate the data. Sample data from fish recently sampled on the P&W property was also reviewed.

The DER discussed formalizing the agreement between P&W and the regulatory agencies relative to P&W properly handling the PCB contamination situation. The DER and PBCHD suggested the P&W legal staff contact the DER and PBCHD counsel to explore methods of formalizing such an agreement other than through a consent order if P&W is interested in using other than a consent order to do this.

P&W and Dames & Moore will meet with DER and PBCHD representatives during the week of June 6 to discuss our plans for additional sediment and fish samples.

Summary of PCB
Concentration in Fish

<u>Area</u>	<u>No. of Fish</u>	<u>Average PCB Concentration</u>	<u>Range of Concentration in Fish Affected</u>	<u>Fraction of Fish Greater than 5 ppm</u>
Edible Portion of Surface Feeders in A, C & D	20	3.36 ppm	.12 ppm - 8.25 ppm	5 of 20
Edible Portion of Bottom Feeders in A, C & D	4	19.5 ppm	.34 ppm - 43.6 ppm	3 of 4
Carcasses in A, C & D	6	91.2 ppm	2.99 ppm - 359 ppm	5 of 6
Edible Portion of Surface Feeders in E Area	3	.083 ppm	0.0 ppm - .13 ppm	0 of 3
Edible Portion of Bottom Feeders in E Area	1	1.38 ppm	-	0 of 1
Carcasses in E Area	2	1.06 ppm	.52 ppm - 1.61 ppm	0 of 1

FISH SAMPLE DATA (Note 1)

Tag No.	Species	Location (Area)	Sample Wt. (Grams)	Fish Wt. (Grams)	(Note 2)	% Lipid
					Total PCB(PPM)	
1	Bass	A	404	1214	6.24	0.54%
2	Bass	A	206	561	4.63	0.38%
3	Bass	A	413	1298	2.80	0.50%
4	Bass	A	242	682	4.31	0.51%
5	Bass	A	164	414	8.25	1.13%
6	Bream	A	28	93	1.34	0.13%
7	Bream	A	19	57	5.12	1.25%
8	Bream	A	20	56	3.86	1.02%
9	Mudfish	A	400	1185	7.07	3.07%
10	Mudfish	A	615	1735	27.30	4.48%
11	Mudfish	E	304	699	1.38	2.33%
12	Bass	E	532	1437	0.13	1.82%
13	Bass	E	578	1700	0.00	1.98%
14	Bass	E	251	656	0.12	1.52%
15	Walking Catfish	C	96	341	43.6	0.81%
16	Bass	C	240	671	6.69	0.76%
17	Bass	C	258	651	0.76	0.07%
18	Bass	C	180	506	1.89	0.09%
19	Bass	C	106	300	2.46	0.09%
20	Bream	C	30	129	2.27	0.08%
21	Bream	C	21	74	5.40	0.43%
22	Bream	C	17	75	4.80	0.13%
23	Bass	D	392	1036	1.99	0.66%
24	Garfish	D	210	848	1.49	0.48%
25	Bass	D	308	788	2.07	0.77%
26	Mudfish	D	203	535	0.34	0.63%
27	Bream	D	67	202	0.75	0.41%
28	Bass	D	41	102	0.12(Note 2)	0.13%
1	Bass	A	730	--	78.9	7.70%
10	Mudfish	A	1019	--	58.9	10.2%
11	Mudfish	E	350	--	0.52	7.66%
13	Bass	E	1034	--	1.61	11.2%
15	Walking Catfish	C	212	--	359.0	6.36%
17	Bass	C	365	--	15.94	1.48%
23	Bass	D	599	--	31.47	6.60%
26	Mudfish	D	290	--	2.99	5.80%

453.6 grams = 1 lb.

Notes

- (1) Sample date for all specimens was 4/17/83.
- (2) Total PCB's equals the sum of the mixtures PCB 1254 and PCB 1016.

Fish Sample Data from 1981

	<u>Tag No.</u>	<u>Sample Date</u>	<u>Species</u>	<u>Location</u>	<u>Fish Wt. (gram)</u>	<u>% Lipid</u>
Edible	1	6/4/81	Bass	Canal behind Water Plant	281	2.9%
	2	6/4/81	Bass	Canal behind Water Plant	933	4.1%
	3	6/4/81	Bass	Canal behind Water Plant	519	2.8%
	1	6/10/81	Bass	Canal behind Water Plant	340	2.2%
	2	6/10/81	Bass	Canal behind Water Plant	325	3.1%
Carcass	1	6/4/81	Bass	Canal behind Water Plant	281	8.8%
	2	6/4/81	Bass	Canal behind Water Plant	933	10.2%
	3	6/4/81	Bass	Canal behind Water Plant	519	7.8%
	1	6/10/81	Bass	Canal behind Water Plant	340	5.0%
	2	6/10/81	Bass	Canal behind Water Plant	325	8.2%

	<u>Edible Portion</u>	<u>Carcass Portion</u>
	<u>PCB (PPM)</u>	<u>PCB (PPM)</u>
Bass #1	0.016	0.53
Bass #2	0.057	0.70
Bass #3	0.075	1.35
Bass #4	0.049	0.80
Bass #5	0.070	0.35

Note: A sample recording error prohibits correlating specific fish to the analysis data.