Monsanto

FROM (NAME & LOCATION) C. F. Buckley - WGK

DATE February 7, 1973

SUBJECT Status - PCB Environmental Control Program

REFERENCE

TO J. R. Savage - B2SL

cc G. L. Bratsch
W. C. Engman
P. E. Heisler
G. A. Hippe
P. B. Hodges - E1SF
A. E. Leisy/J. Grant
W. R. Richard - T3A
E. E. Stewart

Starting this month the status of the PCB environmental control program will be reported by the environmental control group at WGK. This report for Feb. 1, 1973 follows the same format as earlier reports.

I. PCB Level in Sewers

January losses at 3.3 #/day from the operating departments and the incinerator area are 83% higher than in December. The Waste Treatment influent losses of 12 #/day is 140% higher than last month but the loss in the effluent has remained low at 3 #/day.

A. Aroclor Department. PCB losses from the department increased to 3.25 #/day from 1.63#/day last month. This reflects an 18#/day loss for 3 days due to a mist eliminator failure, however the current level appears to have risen to 3-4#/day since air blowing had to be restarted because of corrosion problems.

B. Incinerator. Down all month and losses fell to 0.05 #/day.

C. Total Plant. Influent losses average 12#/day however the individual samples show a peak at 54#/day corresponding to a peak of 18 #/day from the department. A subsequent peak at 21 #/day was not related to a department loss. No conclusion regarding background levels can be made from January results.

D. Treatment Plant Effluent. This level of losses remained low at 3#/day spite of the higher influent load. 3# day is equivalent to about 0.003 ppb in the Mississippi River at average flow and about 0.002 ppb at the present river level.

DSW 353186

IN - 10 REV. 1/72

STLCOPCB4085377

II. Project Status

Project 3972 - "Rework North Basin Sewer". Project completed during month. Essentially all flows which could contain PCB's are flowing through one source where the effluent flow rate is measured and a composite sample obtained for analysis.

Project 3956 - "Alteration to HCl Distribution System", to eliminate possibility of sewering Dept. 246 HCl off-gas. EDC 5/1/73.

Project 4438 - "Reduce Water Flow to Sewer". Estimate approved 1/24/73 $5000 Capital, $9000 Expense. Will not only permit water reduction as related to chemical treatment of plant waste stream, it will also permit elimination of air blowing.

III. Program Status Re Engman/Bratsch 4/24/72

1. HCl Off-Gas

   a. Aroclor - Continuing to coordinate production with chlorosulfonic acid production to minimize sewering off-gas at Dept. 246.

   b. Design in progress to "Install PCB Off-Gas Scrubber", $73000 capital, $5000 expense.

2. Blow Tank Off-Gas

   Estimate approved to permit elimination of air blowing. See above re project 4438.

3. Aroclor DepartmentCatch Basin

   Project 3972 completed and put in service in January.

4. Incinerator Scrubber.

   No work planned.

5. Incinerator Catch Basin

   No activity to reduce losses. Incinerator idle during January for repairs.

DSW 353187

III. Program Status (Continued)

6. Rip Track Washes

No activity to reduce losses in January. From data at WTP Influent would indicate possible losses from this area. To review in February.

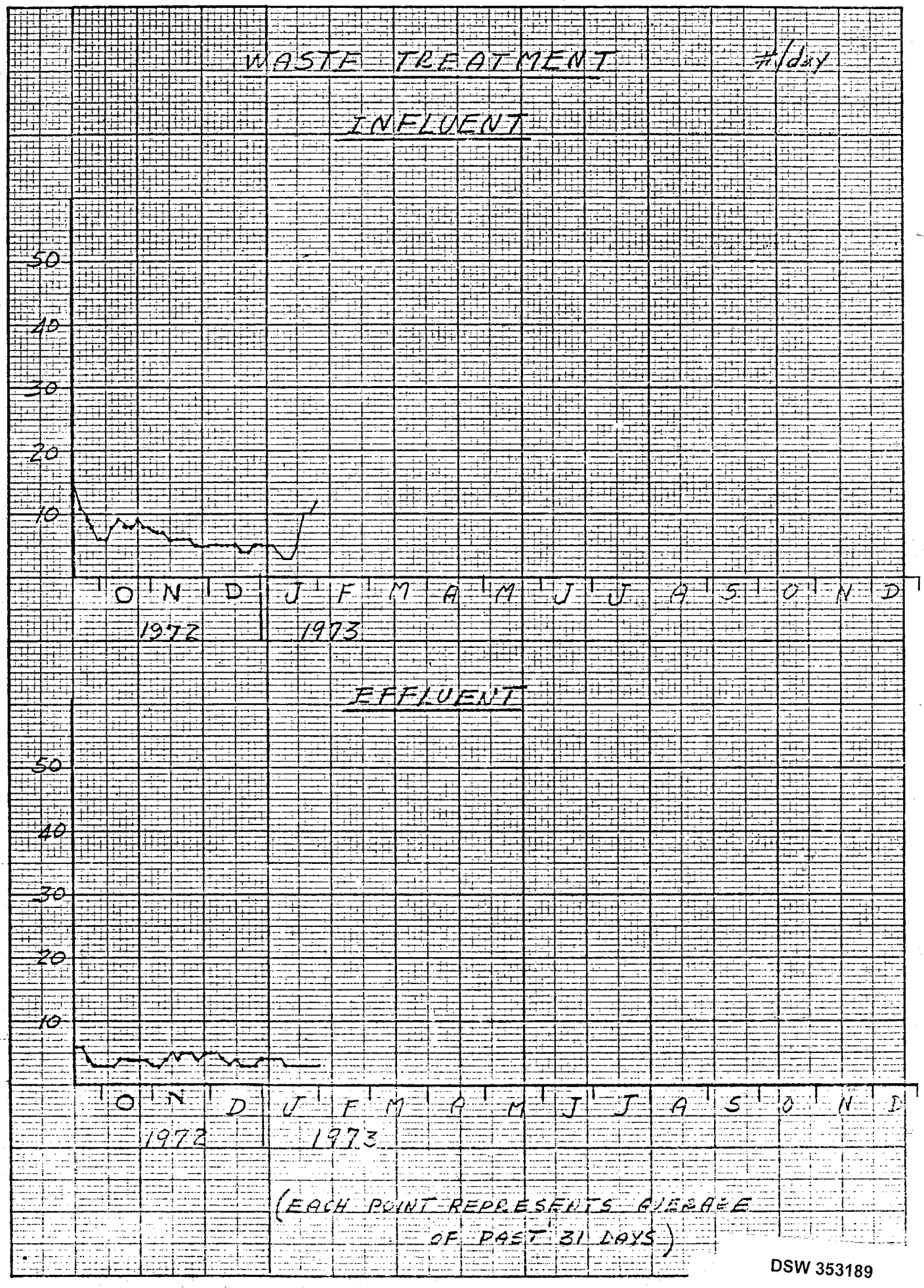
WGK Strategy

Plant strategy meeting to be held again when additional information is received from EPA with regard to specifics or with regard to formulation of government effluent standards with regard to PCB's.

C. F. Buckley

dy

DSW 353188



DSW 353189

KE 20 X 20 TO THE INCH 46 1240
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4085380