become available. Where necessary special arrangements are being made ahead of time to facilitate sample collection efforts.

All waste site surveys for the first half of CY 1984 were completed as scheduled. The levels observed were similar to those seen in recent past surveys. Work will begin on the second-half surveys as time permits.

Special water samples were collected from the four major irrigation waste-ways which flow into the Columbia River across from the Hanford Site. Several samples from each location were obtained for numerous radiological and nonradiological water quality parameters.

With the exception of one quarterly trip, all road surveys were completed as scheduled during May and June between numerous trips to the shop for various repairs. The microprocessor unit is now being further fine tuned and once reinstalled will greatly enhance our capabilities. A recommendation was made for a new chart recorder which can handle multiple inputs (multiple probes) and improve our recording capabilities. Work has begun on defining specifications and reviewing vendor literature for a new recorder.

All monthly and quarterly railroad surveys were completed as scheduled during June. As with the road monitor, a new recorder is greatly needed. New units are expected to be obtained by the end of the fiscal year. Scheduling of the railroad surveys continues to be somewhat difficult and hit or miss on manpower availability. Present plans are to meet with the railroad activity planner to establish a routine schedule for the surveys. With the recent increases in our survey frequencies and the amount of rail traffic this is essential if the surveys are to be completed on schedule.

Efforts have begun to have the trip sheets for the surface surveillance program computerized which will minimize the chance of missing samples that are not collected every trip. Modifications are required in our computer schedule headers prior to getting the information we want in the format we need. These trip sheets will be generated in a manner similar to that now used for sample labels. The new system should also facilitate tracking the progress of sample collection.

As always, some routine samples were not collected as scheduled due to their lack of availability or equipment malfunctions during the sample period. These samples are summarized in the monthly report of P. J. Blumer and, as such, will not be repeated here.

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