

Appendix B

Detailed Alternative Descriptions, Assumptions, Waste Volumes, and Waste Stream Flowsheets

B.1 Introduction

This appendix contains four sets of information. The first set identifies waste streams by waste stream number. Basic information on the waste streams and facilities is contained in Section 2 of this environmental impact statement (EIS). The second set of information is a listing by waste type of processing assumptions for each waste stream. The third set of information is the volume of each waste stream expected to be received annually for each waste type. The fourth set of information is detailed flowsheets showing the disposition pathway for each waste stream for each alternative. For the presentation of waste volume numbers, the volumes have been rounded to the nearest whole cubic meter. It should be recognized that for some numbers, the number of significant figures exceeds the accuracy of the information. Occasional differences may be noted in the unit digit due to rounding.

B.2 Waste Stream Numbers

Figure B.1 is the same as Figure 2.1 (see Section 2 of Volume I) but includes the waste stream numbers that were used during the development of the HSW EIS to track individual waste streams. For each waste stream, a number is shown in the figure, such as (#2), and was the identification number assigned to that stream. This is the alphanumeric designation by which each waste stream was initially identified in the development of this EIS. Streams #7, #16, and #19 were dropped from consideration as separate waste streams in the EIS during its development. Stream #7, composed of greater than Class C Wastes (an NRC category no longer applicable to Hanford waste), was combined with Stream #3. Stream 16, composed of contaminated equipment and materials for decontamination, was eliminated from the scope of the EIS, and Stream #19, greater than Category 3 (GTC3) and transuranic (TRU) waste in the Low Level Burial Grounds (LLBGs), was combined with stream #20 when subsequent analyses determined these wastes to be low-level waste (LLW). It can also be noted that two waste streams were subdivided to allow more detailed analysis (#10 and #13).