

APPENDIX D

CHRONOLOGY OF TANK CONSTRUCTION

Major Milestones

The major milestones for construction of Tanks 38 through 51 covered by this Environmental Statement are shown in Table D-1.

Scheduled Start of Construction

These milestones are essentially those established for the original project authorizations.

The previous waste tank project, 75-1-a for Tanks 35, 36, and 37, was delayed by significant increases in cost problems due to unexpectedly large escalation rates for materials and labor. Congressional approval of changes in scope was required before beginning work. In addition, delays in obtaining steel increased construction time and further increased construction costs.

Design of improved safety features played a minor part in delaying Waste Tank Project 75-1-a. The safety feature under review was the design of an improved system to monitor for leaks in the secondary container. Several designs were investigated. The one eventually chosen consists of a channel grid system on top of the tank foundation slab with drainage to a sump for monitoring. This leak detection system provides good coverage and prompt response.

During the evaluation of leak monitoring concepts, Tank 35 was built without provision for leak detection from the secondary container and a gamma monitoring tube network was installed in Tanks 36 and 37. However, this latter system was rejected when it was found to be no more effective and much more expensive than the channel grid system ultimately selected for the FY-1976 and later tanks.

TABLE D-1

E | Dates of Major Milestones (Waste Tank Construction)

<u>Tank No.</u>	<u>Project</u>	<u>Construction Starting Date</u>	<u>Date of Site Preparation, Excavation, and Base Slab Completion</u>	<u>Date of Primary and Second Tank Erection and Stress Relief</u>	<u>Roof Pour</u>	<u>Construction Completion</u>
38	1618 FY-1976	3/76	10/6/76	11/18/77	6/20/78	8/80
39	1618 FY-1976	3/76	10/27/76	1/6/78	7/6/78	8/80
40	1618 FY-1976	3/76	11/10/76	4/21/78	10/3/78	8/80
41	1618 FY-1976	3/76	10/20/76	5/31/78	11/2/78	8/80
42	1618 FY-1976	3/76	10/13/76	3/8/78	8/10/78	8/80
43	1618 FY-1976	3/76	11/3/76	9/13/78	2/15/79	8/80
44	1747 FY-1977	12/76	4/13/77	9/29/78	1/31/79	3/80
45	1747 FY-1977	12/76	4/10/77	8/1/78	2/9/79	3/80
46	1747 FY-1977	12/76	4/4/77	7/11/78	1/17/79	3/80
47	1747 FY-1977	12/76	3/30/77	6/22/78	12/19/78	3/80
48	1828 FY-1978	12/77	5/17/78	7/20/79	1/80	3/81
49	1828 FY-1978	12/77	5/31/78	8/22/79	2/80	3/81
50	1828 FY-1978	12/77	6/6/78	11/1/79	3/80	3/81
51	1828 FY-1978	12/77	6/13/78	12/1/79	4/80	3/81