WAG 9

APPENDIX J

SCREENING OF RADIOACTIVE LIQUID STORAGE TANKS WITHIN WAG-9 FOR INCLUSION INTO THE COMPREHENSIVE RI/FS

for OPERABLE UNIT 9-04: COMPREHENSIVE RI/FS FINAL WORK PLAN

Prepared By
Argonne National Laboratory-West

Table of Contents

for

Appendix J

Table 1 . . . . . J-1

Table 2 . . . . . J-5

Table 3 . . . . . J-10

Table 4 . . . . . J-17

Table 5 . . . . . J-18

Table 1.	Determination of Whether or Not a CERCLA Hazardous Substance Is Present at a Radiological liquid Tanks		
Facility and Tank Number (column 1)	**Description of Tank and the associated process(es)** (column 2)	**CERCLA hazardous substance(s) contained within the Tank** (column 3)	**Is a CERCLA hazardous substance(s) present in the Tank?** (column 4)
720-1	A 1,000 gallon radioactive retention tank inside building 720 installed in 1972. Used to collection of potentially radiologically contaminated liquids from sink drains.	Not currently	Potentially
752	Old radiological water evaporator. Built in 1965 the evaporator was used to evaporate all contaminated liquid wastes at ANL-W. These wastes consisted of laboratory analysis water and decon shower and sink water. The system has not been used since 1983.	No	Potentiallly
752-0	A 1,500 gallon condensate tank for evaporator system. Installed in 1965 and used until 1983. The tank currently holds approximately 70 gallons of non-hazardous radioactive liquid that will be disposed of at the radioactive liquid waste facility.	Yes	Yes
755-00	Two 300 gallon hot waste tanks installed in 1965. These tanks were used to collect wastes from the laboratory analysis. These tanks are currently half full with non-hazardous radioactive liquids that will be disposed of at the radioactive liquid waste facility.	Yes	Yes
752-1	A 2,800 gallon metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	No, tanks have been taken off line.	No
752-2	A 2,800 gallon metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	No, tanks have been taken off line.	No
752-3	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	Not Currently	Potentially
752-4	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	Not Currently	Potentially

Table 1.	Determination of Whether or Not a CERCLA Hazardous Substance Is Present at a Radiological liquid Tanks		
Facility and Tank Number (column 1)	**Description of Tank and the associated process(es)** (column 2)	**CERCLA hazardous substance(s) contained within the Tank** (column 3)	**Is a CERCLA hazardous substance(s) present in the Tank?** (column 4)
752-5	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	Not Currently	Potentially
765-1	A 1,500 gallon metal retention tank inside building 765. Tank was used to store radiologically contaminated liquids from wash water associated with the IBC and washing of subassemblies inside the FCF facility. Tank was removed in 1988.	No, tank has been removed 1988.	No, tank has been removed.
765-2	A 500 gallon steel retention tank inside bermed area in building 765. Tank was used to store radiologically contaminated liquids from washing of subassemblies inside the FCF facility. Tank was removed in 1993.	No, tank has been removed 1993.	No, tank has been removed.
765-4	A 365 gallon steel retention tank inside bermed area of building 765. Tank was used to store radiologically contaminated liquids as an intermediate holding tank while tank 765-3 was being sampled. Tank was removed in 1993..	No, tank has been removed 1993.	No, tank has been removed.
765-5	A 53 gallon steel retention tank inside bermed area of building 765. Tank was used to store radiologically contaminated liquids from old IBC hold up tank operations conducted inside the FCF facility. Tank was removed in 1993.	No, tank has been removed 1993.	No, tank has been removed.
765-6	A 3,000 gallon stainless steel retention tank underground below trucklock area of building 765 installed in 1970. Tank was used to store runoff water from snow melt from trucks, mop water, and some condensate water from air conditioners inside the FCF facility.	Not currently	Potentially
765-TK-4270	A 1,000 gallon stainless steel liquid retentiaon tank installed in 1993. Tank is in a bermed area inside the building. Used to contain radioactive liquids from washing of sub assemblies and in the future will be used to contain decon spray water.	Not currently	Potentially
765-TK-4250	A 60 gallon stainless steel IBC wash holding tank installed in 1993. Tank is in a bermed area inside the building.	Not currently	Potentially

Table 1.	Determination of Whether or Not a CERCLA Hazardous Substance Is Present at a Radiological liquid Tanks		
Facility and Tank Number (column 1)	**Description of Tank and the associated process(es)** (column 2)	**CERCLA hazardous substance(s) contained within the Tank** (column 3)	**Is a CERCLA hazardous substance(s) present in the Tank?** (column 4)
765-TK-4300	A 135 gallon stainless steel hold up tank installed in 1993. Tank will be used as a hold up tank for liquid decon fluids. The tank is in a bermed area and has not been used yet.	No	Potentially in the future.
765-TK-4310	A 250 gallon stainless steel liquid retentiaon tank installed in 1993. This shielded tank will be used to collect fluids from the decon liquid process. The tank is in a bermed area and has has not been used yet.	No	Potentially in the future.
765-TK-4330	A 250 gallon stainless steel liquid retentiaon tank installed in 1993. This tank will be used as a decon distilate collection tank. The tank is in a bermed area and has not been used yet.	No	Potentially in the future.
768-1	A 490 gallon metal tank installed in locker room of building 768. The tank was installed in 1975 to collect decon shower water.	Not currently	Potentially
774-1	A 565 gallon metal tank in bermed area in basement of 774 installed in 1966. The tanks were installed to collect decon water from shower and sinks in 774.	Not currently	Potentially
774-2	A 565 gallon metal tank in bermed area in basement of 774 installed in 1966. This is a backup tank for 774-1 used collect decon water from shower and sinks in 774.	No, tank has not been used yet.	No
785-1	A 1,500 gallon metal tank installed in 1974. Tank used to collect water from spray chamber, decon shower and sink water.	Not currently	Potentially
785-2	A 1,500 gallon metal tank used to collect water from eye wash testing, condensate from air conditioners, and janitorial sink.	Not currently	Potentially
787-1	A 167 gallon metal tank installed in 1970. Tank is used to collect decon water from sink and shower.	Not currently	Potentially
793-1	A 4,000 gallon metal tank inside pit installed in 1972. Tank is used to collect liguids from enclosed water wash system and decon shower and drains.	Not currently	Potentially

Table 1.	Determination of Whether or Not a CERCLA Hazardous Substance Is Present at a Radiological liquid Tanks		
Facility and Tank Number (column 1)	**Description of Tank and the associated process(es)** (column 2)	**CERCLA hazardous substance(s) contained within the Tank** (column 3)	**Is a CERCLA hazardous substance(s) present in the Tank?** (column 4)
798-1	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Yes	Yes
798-2	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Yes	Yes
798-3	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Yes	Yes
798-4	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Yes	Yes
798-5	A 300 gallon metal collection tank installed in 1983 used to hold liquids from process catch tankemergency shower, and bathroom sink. After results of liquid are returned the liquid is pumped to one of the four 1,500 gallon tanks for treatment.	Not currently	Potentially

Table 2. Determination of Tank Operational Status

Facility and Tank Number (column 1)	Describe past operational history of the Tank (column 2)	Describe the current and future mission of the tank (column 3)	Describe the expected remaining operational life of the tank (column 4)	Is the Tank still in use? (column 5)
720-1	A 1,000 gallon radioactive retention tank inside building 720 installed in 1972. Used to collection of potentially radiologically contaminated liquids from sink drains.	Same as column 2 until operations cease in facility.	The tank is expected to remain in place and used as long as not leak is detected. All leaks would be contained in the bermed area or building.	Yes
752	Old radiological water evaporator. Built in 1965 the evaporator was used to evaporate all contaminated liquid wastes at ANL-W. These wastes consisted of laboratory analysis water and decon shower and sink water. The system has not been used since 1983.	No future mission.	The evaporator, associated piping, 1,500 gallon condensate tank, and 2-300 gallon hot waste tanks will be D&D sometime in the future.	Yes
752-0	A 1,500 gallon condensate tank for evaporator system. Installed in 1965 and used until 1983. The tank currently holds approximately 70 gallons of non-hazardous radioactive liquid that will be disposed of at the radioactive liquid waste facility.	No future mission.	The evaporator, associated piping, 1,500 gallon condensate tank, and 2-300 gallon hot waste tanks will be D&D sometime in the future.	Yes
755-00	Two 300 gallon hot waste tanks installed in 1965. These tanks were used to collect wastes from the laboratory analysis. These tanks are currently half full with non-hazardous radioactive liquids that will be disposed of at the radioactive liquid waste facility.	No future mission.	The evaporator, associated piping, 1,500 gallon condensate tank, and 2-300 gallon hot waste tanks will be D&D sometime in the future.	Yes
752-3	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	Same as column 2 until operations cease in facility.	The tank is glass lined and expected to remain useful and used by ANL-W indefinitely.	Yes

Table 2. Determination of Tank Operational Status

Facility and Tank Number (column 1)	Describe past operational history of the Tank (column 2)	Describe the current and future mission of the tank (column 3)	Describe the expected remaining operational life of the tank (column 4)	Is the Tank still in use? (column 5)
752-4	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	Same as column 2 until operations cease in facility.	The tank is glass lined and expected to remain useful and used by ANL-W indefinitely.	Yes
752-5	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	Same as column 2 until operations cease in facility.	The tank is glass lined and expected to remain useful and used by ANL-W indefinitely.	Yes
765-6	A 3,000 gallon stainless steel retention tank underground below trucklock area of building 765 installed in 1970. Tank was used to store runoff water from snow melt from trucks, mop water, and some condensate water from air conditioners inside the FCF facility.	Same as column 2 until operations cease in facility.	The tank is expected to be used as long a the facility needs.	Yes
765-TK-4270	A 1,000 gallon stainless steel liquid retention tank installed in 1993. Tank is in a bermed area inside the building. Used to contain radioactive liquids from washing of sub assemblies and in the future will be used to contain decon spray water.	Same as column 2 until operations cease in facility.	The tank is expected to be used as long as the FCF has a mission.	Yes
765-TK-4250	A 60 gallon stainless steel IBC wash holding tank installed in 1993. Tank is in a bermed area inside the building.	Same as column 2 until operations cease in facility.	The tank is expected to be used as long as the FCF has a mission.	Yes

Table 2. Determination of Tank Operational Status

Facility and Tank Number (column 1)	Describe past operational history of the Tank (column 2)	Describe the current and future mission of the tank (column 3)	Describe the expected remaining operational life of the tank (column 4)	Is the Tank still in use? (column 5)
765-TK-4300	A 135 gallon stainless steel hold up tank installed in 1993. Tank will be used as a hold up tank for liquid decon fluids. The tank is in a bermed area and has not been used yet.	Same as column 2 until operations cease in facility.	The tank will be used after the Environmental Assessment is completed and operations can commence.	Yes
765-TK-4310	A 250 gallon stainless steel liquid retention tank installed in 1993. This shielded tank will be used to collect fluids from the decon liquid process. The tank is in a bermed area and has not been used yet.	Same as column 2 until operations cease in facility.	The tank will be used after the Environmental Assessment is completed and operations can commence.	Yes
765-TK-4330	A 250 gallon stainless steel liquid retention tank installed in 1993. This tank will be used as a decon distillate collection tank. The tank is in a bermed area and has not been used yet.	Same as column 2 until operations cease in facility.	The tank will be used after the Environmental Assessment is completed and operations can commence.	Yes
768-1	A 490 gallon metal tank installed in locker room of building 768. The tank was installed in 1975 to collect decon shower water.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
774-1	A 565 gallon metal tank in bermed area in basement of 774 installed in 1966. The tanks were installed to collect decon water from shower and sinks in 774.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
785-1	A 1,500 gallon metal tank installed in 1974. Tank used to collect water from spray chamber, decon shower and sink water.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
785-2	A 1,500 gallon metal tank used to collect water from eye wash testing, condensate from air conditioners, and janitorial sink.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes

Table 2. Determination of Tank Operational Status

Facility and Tank Number (column 1)	Describe past operational history of the Tank (column 2)	Describe the current and future mission of the tank (column 3)	Describe the expected remaining operational life of the tank (column 4)	Is the Tank still in use? (column 5)
787-1	A 167 gallon metal tank installed in 1970. Tank is used to collect decon water from sink and shower.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
793-1	A 4,000 gallon metal tank inside pit installed in 1972. Tank is used to collect liquids from enclosed water wash system and decon shower and drains.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
798-1	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
798-2	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
798-3	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes
798-4	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	Same as column 2 until operations cease in facility.	The tank will be used as long as the it is structurally sound and the facility has a mission.	Yes

Table 2. Determination of Tank Operational Status

Facility and Tank Number (column 1)	Describe past operational history of the Tank (column 2)	Describe the current and future mission of the tank (column 3)	Describe the expected remaining operational life of the tank (column 4)	Is the Tank still in use? (column 5)
798-5	A 300 gallon metal collection tank installed in 1983 used to hold liquids from process catch tank emergency shower, and bathroom sink. After results of liquid are returned the liquid is pumped to one of the four 1,500 gallon tanks for treatment.	Same as column 2 until operations cease in facility.	The tank is expected to remain in place and used as long as not leak is detected. All leaks would be contained in the bermed area or building.	Yes

Table 3. Determination of Whether a Release Is Possible from the Tank				
Facility and Tank Number (column 1)	**Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment** (column 2)	**Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment** (column 3)	**Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment** (column 4)	**Is a release or potential release possible from this tank under current operating conditions** (column 5)
720-1	A 1,000 gallon radioactive retention tank inside building 720 installed in 1972. Used to collection of potentially radiologically contaminated liquids from sink drains.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
752	Old radiological water evaporator. Built in 1965 the evaporator was used to evaporate all contaminated liquid wastes at ANL-W. These wastes consisted of laboratory analysis water and decon shower and sink water. The system has not been used since 1983.	The evaporator is inside of a building waiting to be D&D.	The evaporator is inside of a building waiting to be D&D.	No
752-0	A 1,500 gallon condensate tank for evaporator system. Installed in 1965 and used until 1983. The tank currently holds approximately 70 gallons of non-hazardous radioactive liquid that will be disposed of at the radioactive liquid waste facility.	The tank is inside of a building and contains only radioactive liquids. These liquids will be sent to the Radioactive Liquid Waste Treatment Facility for disposal.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 3. Determination of Whether a Release Is Possible from the Tank

Facility and Tank Number (column 1)	Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment (column 2)	Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment (column 3)	Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment (column 4)	Is a release or potential release possible from this tank under current operating conditions (column 5)
755-00	Two 300 gallon hot waste tanks installed in 1965. These tanks were used to collect wastes from the laboratory analysis. These tanks are currently half full with non-hazardous radioactive liquids that will be disposed of at the radioactive liquid waste facility.	The tank is inside of a building and contains only radioactive liquids. These liquids will be sent to the Radioactive Liquid Waste Treatment Facility for disposal.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
752-3	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
752-4	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 3. Determination of Whether a Release Is Possible from the Tank

Facility and Tank Number (column 1)	Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment (column 2)	Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment (column 3)	Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment (column 4)	Is a release or potential release possible from this tank under current operating conditions (column 5)
752-5	A 1,500 gallon glass lined metal retention tank inside building 752 installed in 1965. Used to collection of potentially radiologically contaminated liquids from analytical tests and decon sinks and showers in building 752.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
765-6	A 3,000 gallon stainless steel retention tank underground below trucklock area of building 765 installed in 1970. Tank was used to store runoff water from snow melt from trucks, mop water, and some condensate water from air conditioners inside the FCF facility.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
765-TK-4270	A 1,000 gallon stainless steel liquid retention tank installed in 1993. Tank is in a bermed area inside the building. Used to contain radioactive liquids from washing of sub assemblies and in the future will be used to contain decon spray water.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 3. Determination of Whether a Release Is Possible from the Tank

Facility and Tank Number (column 1)	Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment (column 2)	Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment (column 3)	Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment (column 4)	Is a release or potential release possible from this tank under current operating conditions (column 5)
765-TK-4250	A 60 gallon stainless steel IBC wash holding tank installed in 1993. Tank is in a bermed area inside the building.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
765-TK-4300	A 135 gallon stainless steel hold up tank installed in 1993. Tank will be used as a hold up tank for liquid decon fluids. The tank is in a bermed area and has not been used yet.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
765-TK-4310	A 250 gallon stainless steel liquid retention tank installed in 1993. This shielded tank will be used to collect fluids from the decon liquid process. The tank is in a bermed area and has not been used yet.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
765-TK-4330	A 250 gallon stainless steel liquid retention tank installed in 1993. This tank will be used as a decon distillate collection tank. The tank is in a bermed area and has not been used yet.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 3. Determination of Whether a Release Is Possible from the Tank

Facility and Tank Number (column 1)	Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment (column 2)	Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment (column 3)	Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment (column 4)	Is a release or potential release possible from this tank under current operating conditions (column 5)
768-1	A 490 gallon metal tank installed in locker room of building 768. The tank was installed in 1975 to collect decon shower water.	The tank is inside of a building and any spill would be contained within the building.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
774-1	A 565 gallon metal tank in bermed area in basement of 774 installed in 1966. The tanks were installed to collect decon water from shower and sinks in 774.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
785-1	A 1,500 gallon metal tank installed in 1974. Tank used to collect water from spray chamber, decon shower and sink water.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
785-2	A 1,500 gallon metal tank used to collect water from eye wash testing, condensate from air conditioners, and janitorial sink.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 3. Determination of Whether a Release Is Possible from the Tank				
Facility and Tank Number (column 1)	**Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment** (column 2)	**Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment** (column 3)	**Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment** (column 4)	**Is a release or potential release possible from this tank under current operating conditions** (column 5)
787-1	A 167 gallon metal tank installed in 1970. Tank is used to collect decon water from sink and shower.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
793-1	A 4,000 gallon metal tank inside pit installed in 1972. Tank is used to collect liquids from enclosed water wash system and decon shower and drains.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
798-1	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
798-2	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 3. Determination of Whether a Release Is Possible from the Tank				
Facility and Tank Number (column 1)	**Describe the scenairio(s) that would result in a potential release of CERCLA hazardous substance(s) to the environment** (column 2)	**Describe the factors/conditions controlling/preventing the release of CERCLA hazardous substance(s) to the environment** (column 3)	**Describe how the factors/conditions are being implemented to prevent the release of CERCLA hazardous substance(s) to the environment** (column 4)	**Is a release or potential release possible from this tank under current operating conditions** (column 5)
798-3	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
798-4	A 1,500 gallon metal collection tank installed in 1983. Tank is used to store liquids prior to being cooked off in radioactive liquid waste treatment facility.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No
798-5	A 300 gallon metal collection tank installed in 1983 used to hold liquids from process catch tank emergency shower, and bathroom sink. After results of liquid are returned the liquid is pumped to one of the four 1,500 gallon tanks for treatment.	The tank is inside of a building in a bermed area large enough to contain all the liquids from the tank.	All spills at the ANL-W facility are cleaned up using procedures outlined in the ANL-W Environment, Safety, and Health Manual section 2.5 Spill Prevention, Control, and Countermeasure Plan.	No

Table 4. Determination of Whether the Existing Characterization of the Tank Is Adequate for CERCLA Purposes				
Facility and Tank Number (column 1)	**Describe the characterization activities that have been conducted on this tank to assess the release or potential release of CERCLA substance(s) to the environment** (column 2)	**Describe and list the concentration of the CERCLA hazardous substance(s) that are being release or may potentially be released to the environment** (column 3)	**Describe the monitoring activities being conducted to assess the current release or potential release to the environment from the tank** (column 4)	**Is the release or potential release from this tank sufficiently characterized by the program(s) controlling the operation of the facility to meet CERCLA needs** (column 5)
NA	All tanks screened in Tables 1-3	NA	NA	NA

NA Not applicable

Table 5. Determination of Whether the Risk Associated with the Release or Potential Release from the Tanks Can Be Eliminated from Further Consideration				
Facility and Tank Number (column 1)	**Determine if the concentration on contaminant(s) being released or may potentially be released for the initial pathway is below acceptable CERCLA risk level concentrations** (column 2)	**Determine the concentration of contaminants for the secondary pathways being release or may potentially be released from the facility for evaluating the other pathways** (column 3)	**Determine if the concentration for the secondary pathways are below the acceptable CERCLA risk level concentrations** (column 4)	**Is the risk associated with the release or potential release sufficiently addressed by the program(s) controlling the facility operation to eliminate the facility from further consideration** (column 5)
NA	All tanks screened in Tables 1-4	NA	NA	NA

NA Not applicable