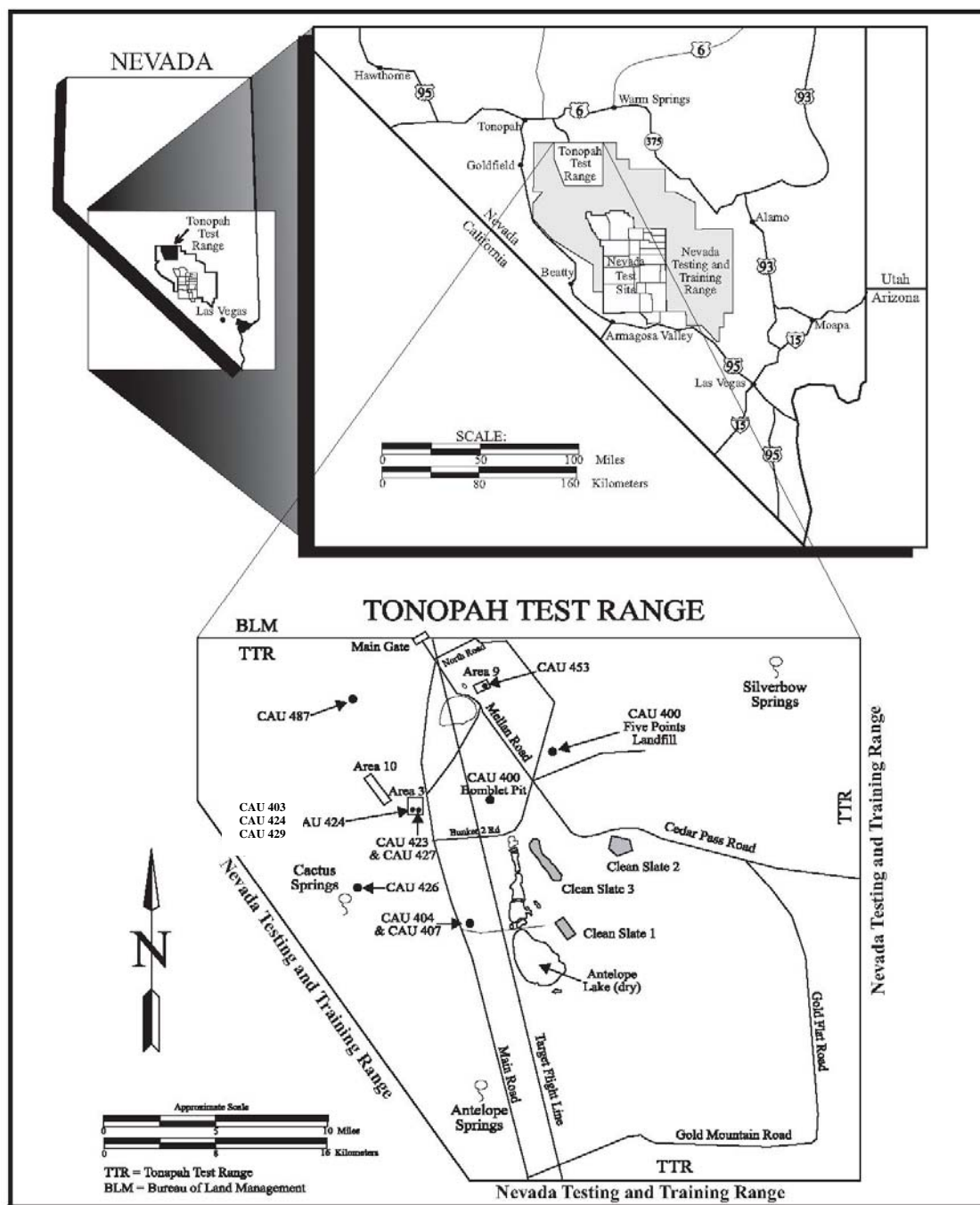


Tonopah Test Range

Environmental Restoration Corrective Action Sites



Location of Use Restrictions and Post-Closure Inspection Sites

Summary

Corrective Action Sites (CASs) and Corrective Action Units (CAUs) at the Tonopah Test Range (TTR) may be placed into three categories: Clean Closure/No Further Action, Closure in Place, or Closure in Progress.

CASs and CAUs where contaminants were either not detected or were cleaned up to within regulatory action levels are summarized below:

Clean Closure/No Further Action					
CAU	CAU Description	Status	CAS	CAS Description	Location
400	Bomblet Pit and Five Points Landfill, TTR	Closed	TA-19-001-05PT	Ordnance Disposal Pit	Five Points Intersection
400	Bomblet Pit and Five Points Landfill, TTR	Closed	TA-55-001-TAB2	Ordnance Disposal Pit	Bunker 2 Road
401	Closed Area 3 Gas Station UST Site, TTR	Closed	03-02-003-0357	UST, Gas	First Gas Station, Area 3
402	Area 3 Bldg. 0353 UST Site, TTR	Closed	03-02-001-0353	UST, Diesel	Bldg. 0353
405	Area 3 Septic Systems, TTR	Closed	03-05-002-SW03	Septic Waste System	Area 3
405	Area 3 Septic Systems, TTR	Closed	03-05-002-SW04	Septic Waste System	Area 3
405	Area 3 Septic Systems, TTR	Closed	03-05-002-SW07	Septic Waste System	Area 3
406	Area 3 Bldg. 03-74 and Bldg. 03-58 UDPs, TTR	Closed	03-51-002-0374	Heavy Duty Shop UDP, Sumps	Bldg. 0374
406	Area 3 Bldg. 03-74 and Bldg. 03-58 UDPs, TTR	Closed	03-51-003-0358	UPS Building UDP	UPS Building, Area 3
409	Other Waste Sites, TTR	Closed	RG-24-001-RGCR	Battery Dump Site	Cactus Repeater
409	Other Waste Sites, TTR	Closed	TA-53-001-TAB2	Septic Sludge Disposal Pit	Bunker 2
409	Other Waste Sites, TTR	Closed	TA-53-002-TAB2	Septic Sludge Disposal Pit	Bunker 2
410	Area 9 Underground Vault and Disposal Trench, TTR	Closed	09-21-001-09MG	Former Bunker or Underground Vault	East of Area 9 Magazines
410	Area 9 Underground Vault and Disposal Trench, TTR	Closed	09-21-001-TA09	Disposal Trenches	Area 9
410	Area 9 Underground Vault and Disposal Trench, TTR	Closed	TA-19-002-TAB2	Debris Mound	Bunker 2

UDP = underground discharge point

UST = underground storage tank

Clean Closure/No Further Action (continued)					
CAU	CAU Description	Status	CAS	CAS Description	Location
410	Area 9 Underground Vault and Disposal Trench, TTR	Closed	TA-21-003-TANL	Disposal Trench	NEDS Lake
410	Area 9 Underground Vault and Disposal Trench, TTR	Closed	TA-21-002-TAAL	Disposal Trench	South Antelope Lake
425	Area 9 Main Lake Construction Debris Disposal Area, TTR	Closed	09-08-001-TA09	Construction Debris Disposal Area	Area 9/Main Lake
428	Area 3 Septic Waste Systems 1 and 5, TTR	Closed	03-05-002-SW01	Septic Waste System No. 1	Area 3
428	Area 3 Septic Waste Systems 1 and 5, TTR	Closed	03-05-002-SW05	Septic Waste System No. 5	Area 3
429	Area 3 Bldg. 03-55 and Area 9 Bldg. 09-52 UDPs, TTR	Closed	09-51-001-0952	Mobile Photographic Lab UDPs	Area 9
430	DU Artillery Round #1, TTR	Closed	TA-55-003-0960	DU Artillery Round	South of Area 9
461	Test Area JTA Sites, TTR	Closed	TA-52-002-TAML	DU Impact Site	Main Lake
461	Test Area JTA Sites, TTR	Closed	TA-52-003-0960	DU Artillery Round #2	South of Area 9
461	Test Area JTA Sites, TTR	Closed	TTR-001	1987 W-79 JTA	Unknown – South of Area 9
485	Cactus Spring Ranch Pu and DU Site, TTR	Closed	TA-39-001-TAGR	Cactus Spring Ranch, Soil Contamination	West of Target Areas
486	Double Tracks Rad Safe Area, Nellis Range 71 North	Closed	71-23-001-71DT	Double Tracks Rad Safe Area	Nellis Range 71 North
489	WWII UXO Sites, TTR	Closed	RG-55-001-RGMN	WWII Ordnance Site	Mellan Airstrip
489	WWII UXO Sites, TTR	Closed	RG-55-002-RGHS	WWII Ordnance Site	H-Site Road
489	WWII UXO Sites, TTR	Closed	RG-55-003-RG36	WWII Ordnance Site	Gate 36E
490	Station 44 Burn Area, TTR	Closed	RG-56-001-RGBA	Fire Training Area	Station 44
490	Station 44 Burn Area, TTR	Closed	03-56-001-03BA	Fire Training Area	Area 3
490	Station 44 Burn Area, TTR	Closed	03-58-001-03FN	Sandia Service Yard	Area 3
490	Station 44 Burn Area, TTR	Closed	09-54-001-09L2	Solid Propellant Burn Site	Area 9
495	Unconfirmed JTA Sites, TTR	Closed	TA-55-006-09SE	Buried Artillery Round	Test Area
495	Unconfirmed JTA Sites, TTR	Closed	TA-55-007-09SE	Buried Artillery Round	Test Area
499	Hydrocarbon Spill Site, TTR	Closed	RG-25-001-RD24	Hydrocarbon Spill Site	Radar 24 Site

DU = depleted uranium
 JTA = Joint Test Assembly
 Pu = plutonium
 UXO = unexploded ordnance

CASs and CAUs where contaminants and/or waste have been closed in place are summarized below. The following table also summarizes the contaminant that has been closed at each site, if land-use restrictions are present, and if post-closure inspections are required:

Closure In Place							
CAU	CAU Description	COC	UR	PCI	CAS	CAS Description	Location
403	Area 3 Second Gas Station UST, TTR	Hydrocarbon	Yes		03-02-004-0360	USTs	Second Gas Station
404	Roller Coaster Lagoons and Trench, TTR	Haz	Yes	Yes	TA-03-001-TARC	Roller Coaster Lagoons	NW of Antelope Lake
404	Roller Coaster Lagoons and Trench, TTR	Haz	Yes	Yes	TA-21-001-TARC	Roller Coaster North Disposal Trench	NW of Antelope Lake
407	Roller Coaster Rad Safe Area, TTR	Rad	Yes	Yes	TA-23-001-TARC	Roller Coaster Rad Safe Area	Northwest of Antelope Lake
423	Area 3 UDP, Bldg. 0360, TTR	Hydrocarbon	Yes	Yes	03-02-002-0308	UDP	Bldg. 0360
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-001-A301	Landfill Cell A3-1	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A302	Landfill Cell A3-2	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A303	Landfill Cell A3-3	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A304	Landfill Cell A3-4	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A305	Landfill Cell A3-5	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A306	Landfill Cell A3-6	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A307	Landfill Cell A3-7	Area 3 Landfill Complex
424	Area 3 Landfill Complex, TTR	Sanitary	Yes	Yes	03-08-002-A308	Landfill Cell A3-8	Area 3 Landfill Complex

PCI = post-closure inspections

UR = use restriction

Closure In Place (continued)							
CAU	CAU Description	COC	UR	PCI	CAS	CAS Description	Location
426	Cactus Spring Waste Trenches, TTR	Rad	Yes	Yes	RG-08-001-RGCS	Waste Trenches	Cactus Spring Ranch
427	Area 3 Septic Waste Systems 2 and 6, TTR	Hydrocarbon	Yes	Yes	03-05-002-SW02	Septic Waste System No. 2	Area 3
427	Area 3 Septic Waste Systems 2 and 6, TTR	Hydrocarbon	Yes	Yes	03-05-002-SW06	Septic Waste System No. 6	Area 3
429	Area 3 Bldg. 03-55 and Area 9 Bldg. 09-52 UDPs, TTR	Haz	Yes		03-51-001-0355	Photo Shop UDPs, Drains	Photo Shop Area 3
453	Area 9 UXO Landfill, TTR	Ordnance	Yes	Yes	09-55-001-0952	Area 9 Landfill	Area 9
487	Thunderwell Site, TTR	Debris	Yes	Yes	RG-26-001-RGRV	Thunderwell Site	Thunderwell Site

CASs and CAUs where closure activities are in progress are summarized below. All CAUs and CASs where closure activities are in progress will be clean closed.

Closure In Progress					
CAU	CAU Description	Status	CAS	CAS Description	Location
408	Bomblet Target Area, TTR	Remediation	TA-55-002-TAB2	Bomblet Target Areas	Antelope Lake
484	Antelope and NEDS Lakes Waste Sites, TTR	Remediation	TA-52-001-TANL	NEDS Detonation Area	NEDS Lake
484	Antelope and NEDS Lakes Waste Sites, TTR	Remediation	TA-52-004-TAAL	Metal Particle Dispersion Test	Antelope Lake
484	Antelope and NEDS Lakes Waste Sites, TTR	Remediation	TA-52-005-TAAL	JTA DU Sites	Antelope Lake
484	Antelope and NEDS Lakes Waste Sites, TTR	Remediation	TA-54-001-TANL	Rocket Propellant Burn Area	NEDS Lake
484	Antelope and NEDS Lakes Waste Sites, TTR	Remediation	RG-52-007-TAML	Davis Gun Site – Mellan	Test Range
484	Antelope and NEDS Lakes Waste Sites, TTR	Remediation	TA-52-006-TAPL	DU Surface Debris	Colimbo Detonation Area, NEDS Lake
496	Buried Rocket Site – Antelope Lake, TTR	Remediation	TA-55-008-TAAL	Buried Rocket	Antelope Lake

Closed-In-Place CAU Description

This section provides a summary of the CAUs and CASs where contamination above action levels has been closed in place. Environmental Restoration activities at these CAUs include post-closure inspections and maintenance/repairs at the post-closure sites. A rough order of magnitude (ROM) cost for clean closure to pre-use conditions is included for each CAU.

CAU 400: Bomblet Pit and Five Points Landfill (TTR)

- CAS TA-19-001-05PT: Ordnance Disposal Pit (Five Points Landfill)
- CAS TA-55-001-TAB2: Ordnance Disposal Pit (Bomblet Pit)

Contaminants/Waste Present

No residual contaminants and/or waste are present at the site.

Current Site Conditions

Both CASs are currently fenced and are being monitored to access revegetation. Fencing will be removed after vegetation has been established similar to that in adjacent undisturbed areas.

Clean Closure ROM Cost

N/A

CASs

CAS TA-19-001-05PT (Five Points Landfill) is located approximately 1.2 miles north of Five Points Intersection along Perimeter Road. Ordnance debris was removed from this site and the area was graded, contoured, and revegetated. The area is currently fenced until vegetation can be documented as being substantially established. Fencing will be removed after vegetation is documented as being established and approval has been received from the Nevada Department of Environmental Protection. The site was clean closed and the only post-closure requirement is for reestablishment of vegetation at the site.



CAU 400 CAS TA-19-001-05PT (Five Points Landfill)

CAU 400: Bomblet Pit and Five Points Landfill (TTR) (continued)

CAS TA-55-001-TAB2 (Bomblet Pit) is located approximately one mile northwest of Bunker 2 Road. The Bomblet Pit and five associated excavations were used for the disposal of debris from an antipersonnel and antivehicular bomblet (or cluster bomb unit) test at TTR. Ordnance debris was removed from the excavations and the areas were backfilled, graded, and revegetated. The area is currently fenced until vegetation can be documented as being substantially established. Fencing will be removed after vegetation is documented as being established and approval has been received from the Nevada Department of Environmental Protection. The site was clean closed and the only post-closure requirement is for reestablishment of vegetation at the site.



CAU 400 CAS TA-55-001-TAB2 (Bomblet Pit)

CAU 403: Area 3 Second Gas Station UST (TTR)

- CAS 03-02-004-0360: Area 3 Second Gas Station

Contaminants/Waste Present

Hydrocarbon-impacted soil above the action level of 100 milligrams per kilogram (mg/kg) was closed in place at this site.

Current Site Conditions

Land-use restrictions have been implemented for this site; however, post-closure inspections are not required.

Clean Closure ROM Cost

~\$5M

CASs

CAS 03-02-004-0360 (Second Gas Station) is located within the TTR Area 3 compound. An underground storage tank was removed from this site and hydrocarbon-impacted soil was closed in place because the contaminated soil extended under adjacent building foundations.



Vicinity of former CAU 403 Area 3 Second Gas Station

CAU 404: Roller Coaster Lagoons and Trench (TTR)

- CAS TA-03-001-TARC: Roller Coaster Lagoons
- CAS TA-21-001-TARC: Roller Coaster N. Disposal Trench

Contaminants/Waste Present

Pesticides (Dichlorodiphenyldichloroethane [DDD], Dichlorodiphenyldichloroethylene [DDE], and Dichlorodiphenyldichloroethane [DDT]) were detected above the U.S. Environmental Protection Agency Region IX Preliminary Remediation Goals in both the east and west sewage lagoons.

The North Disposal Trench contains solid waste and debris from the Roller Coaster Man Camp and debris from subsequent cleanup activities on the TTR. No contaminants were detected above regulatory levels in the North Disposal Trench.

Current Site Conditions

Both CASs have land-use restrictions and are inspected annually to ensure the engineered cover and fencing have not been compromised.

Clean Closure ROM Cost

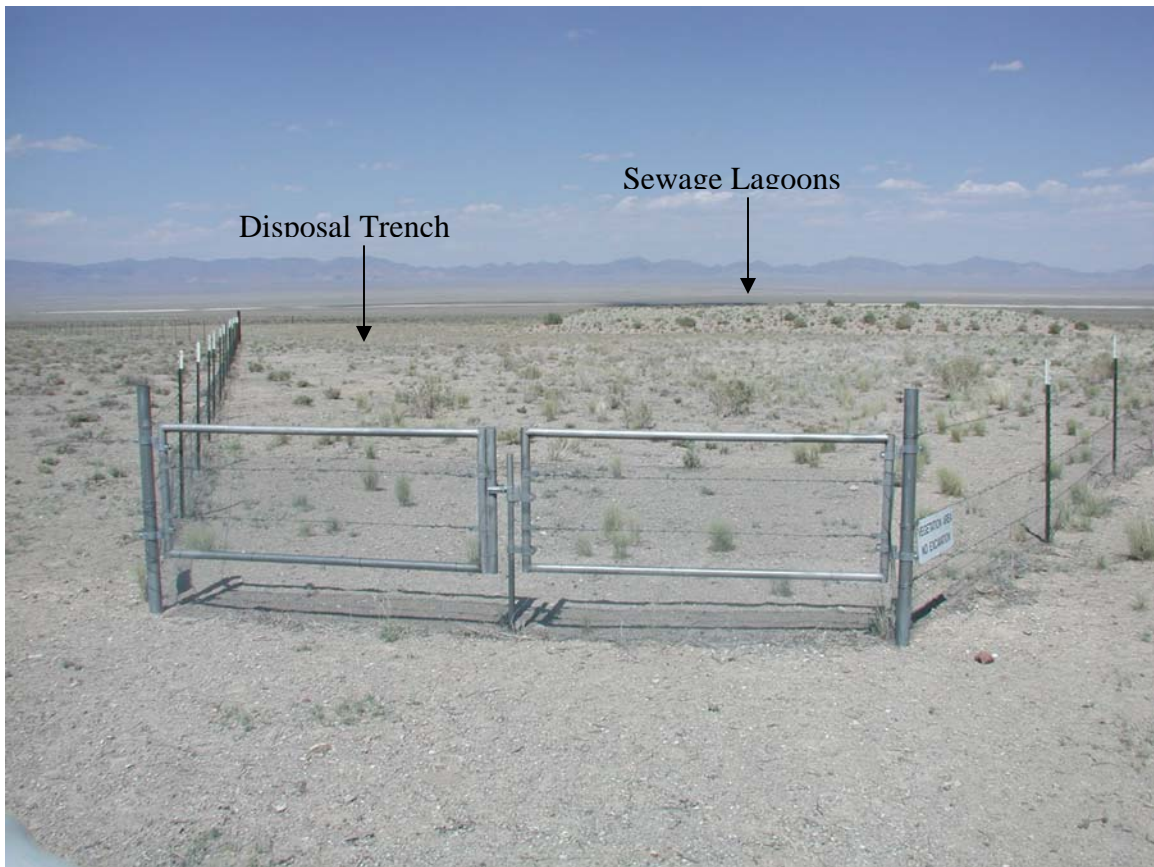
~\$15M

CASs

Both CAS TA-03-001-TARC (Roller Coaster Lagoons) and CAS TA-21-001-TARC (Roller Coaster N. Disposal Trench) are located within the same fenced area situated approximately one mile north of the intersection of Main Road South and Brownes Lake Road.

The sewage lagoons received liquid sanitary waste from the Operation Roller Coaster Man Camp in 1963 and debris from subsequent range and construction cleanup activities. The debris and ordnance were subsequently removed and properly disposed; however, pesticides were detected above regulatory action levels in soil samples from the bottom of the lagoons.

The North Disposal Trench was excavated in 1963 and received debris from the Roller Coaster Man Camp and subsequent range and construction cleanup activities. Investigation results indicated that no contaminants were detected in soil samples collected beneath the waste in the trench.



CAU 404 CAS TA-03-001-TARC (Roller Coaster Lagoons) and CAS TA-21-001-TARC (Roller Coaster N. Disposal Trench)

CAU 407: Roller Coaster RadSafe Area (TTR)

- CAS TA-23-001-TARC: Roller Coaster RadSafe Area

Contaminants/Waste Present

During the removal of radioactive-impacted soil from this CAS, several pieces of concrete were removed which were determined to be transuranic waste. The waste was removed and disposed offsite. The remaining contamination was closed in place.

Current Site Conditions

An engineered cover was constructed over the area containing radioactive-impacted debris and soil and the area was fenced and posted as an “Underground Radioactive Material” area. The CAS has a land-use restriction and is inspected annually to ensure the engineered cover, postings, and fencing have not been compromised.

Clean Closure ROM Cost

~\$75M

CASs

CAS TA-23-001-TARC (Roller Coaster RadSafe Area) is located at the intersection of Main Road South and Brownes Lake Road.

The CAS TA-23-001-TARC (Roller Coaster RadSafe Area) was used during Operation Roller Coaster in 1963 to decontaminate vehicles, equipment, and personnel from the Clean Slate tests.



CAU 407: Roller Coaster RadSafe Area

CAU 423: Area 3 Underground Discharge Point, Building 0360 (TTR)

- CAS 03-02-002-0308: Underground Discharge Point

Contaminants/Waste Present

Hydrocarbon-impacted piping and waste within an underground discharge point are present at this site.

Current Site Conditions

Use restrictions have been implemented for the piping and underground discharge point. The use restriction is marked by a posting at the underground discharge point. The land-use restriction is inspected annually to ensure the area has not been compromised.

Clean Closure ROM Cost

~\$0.25M

CASs

CAS 03-02-002-0308 (Underground Discharge Point) consists of the underground discharge point and associated discharge piping extending from Building 03-60 (Auto Maintenance Shop) in Area 3. The piping carried waste oil and other shop products to the underground discharge point. The underground discharge point consists of a buried corrugated metal culvert pipe that extends to a depth of approximately 20 feet below ground surface.



CAU 423 CAS 03-02-002-0308 (Underground Discharge Point)

CAU 424: Area 3 Landfill Complexes (TTR)

- CAS 03-08-001-A301: Landfill Cell A3-1
- CAS 03-08-002-A302: Landfill Cell A3-2
- CAS 03-08-002-A303: Landfill Cell A3-3
- CAS 03-08-002-A304: Landfill Cell A3-4
- CAS 03-08-002-A305: Landfill Cell A3-5
- CAS 03-08-002-A306: Landfill Cell A3-6
- CAS 03-08-002-A308: Landfill Cell A3-8

Contaminants/Waste Present

The CAU 424 landfill cells contain sanitary, construction, and hydrocarbon waste

Current Site Conditions

All CASs have land-use restrictions and are marked by above-ground concrete monuments and signs indicating the presence of buried waste.

Clean Closure ROM Cost

~\$80M

CASs

CAU 424 consists of eight landfill areas each of which is a separate CAS. All of the CAU 424 landfill cells are located in the vicinity of Area 3. Each landfill CAS is comprised of one or more buried waste cells which received waste from daily operations at the Area 3 compound from approximately 1957 to approximately 1993. Waste contained within the landfill cells is poorly documented due to the unregulated disposal practices commonly associated with operation practices at the time of waste disposition. Process knowledge and characterization data support the assumption that no hazardous waste is present.

CAS 03-08-001-A301 (Landfill Cell A3-1) consists of five waste cells. Investigation of the site identified sanitary waste and hydrocarbon as the only contaminant present.

CAS 03-08-002-A302 (Landfill Cell A3-2) consists of one waste cell. Investigation of the site identified sanitary waste and hydrocarbon as the only contaminant present. A diesel storage tank was uncovered during the investigation but was not removed.

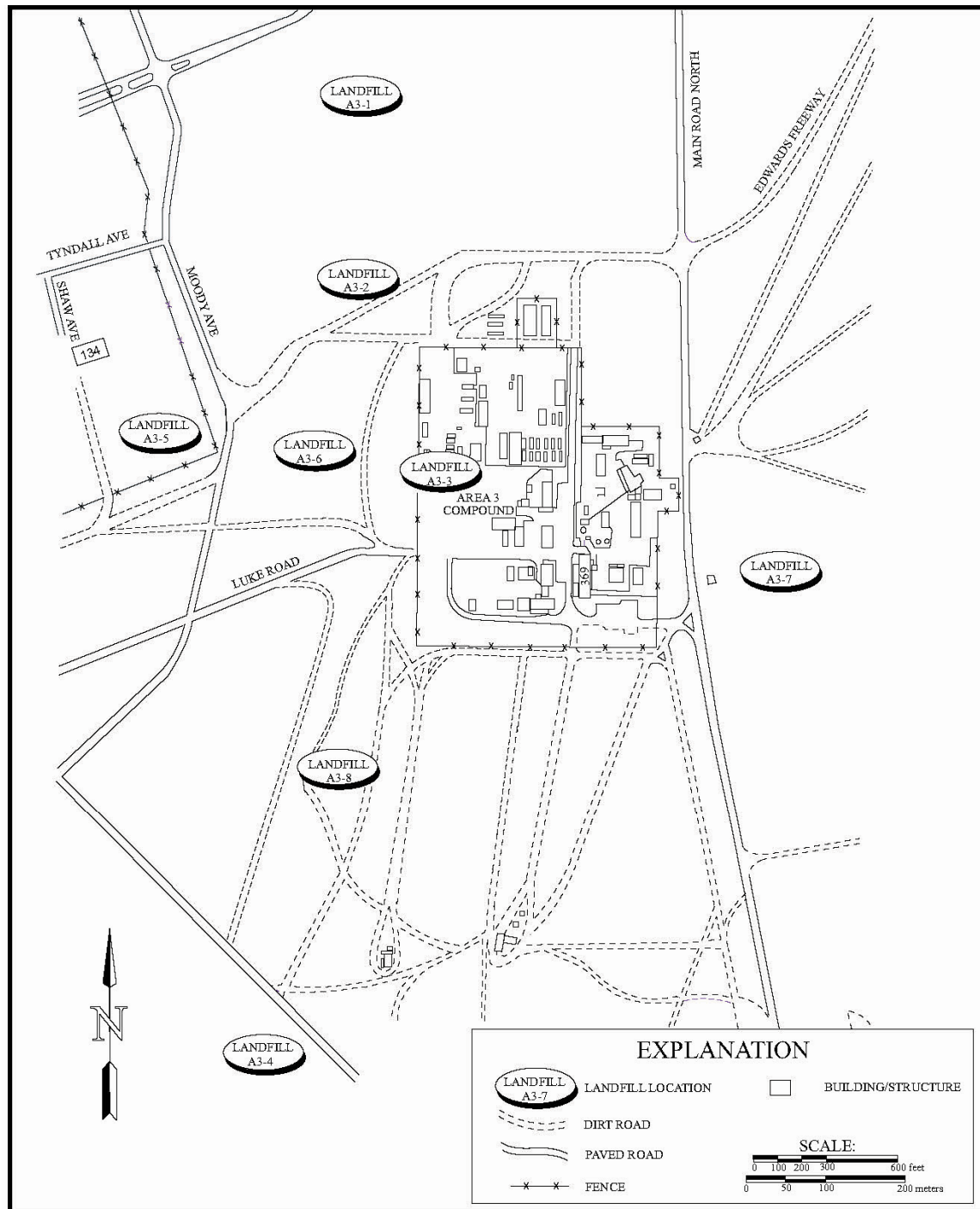
CAS 03-08-002-A303 (Landfill Cell A3-3) consists of three waste cells. Sanitary debris was the only material found during the investigation of this site.

CAS 03-08-002-A304 (Landfill Cell A3-4) consists of two buried waste cells. Sanitary debris was the only material found during the investigation of this site.

CAS 03-08-002-A305 (Landfill Cell A3-5) consists of one buried waste cell. Sanitary debris was the only material found during the investigation of this site.

CAS 03-08-002-A306 (Landfill Cell A3-6) consists of two buried waste cells. Sanitary debris was the only material found during the investigation of this site.

CAS 03-08-002-A308 (Landfill Cell A3-8) consists of two buried waste cells. Sanitary debris was the only material found during the investigation of this site.



CAU 424 Area 3 Landfill Complex Location Map



CAU 424 Land-Use Restriction Surface Monuments

CAU 426: Cactus Spring Waste Trenches (TTR)

- CAS RG-08-001-RGCS: Waste Trenches

Contaminants/Waste Present

Sanitary waste was the only material confirmed to be present within the waste trenches during the characterization activities. Investigation activities confirmed the presence of wood, glass, metal, animal bone fragments, and paint chips.

Current Site Conditions

The waste trenches are covered by an engineered cover and the site is fenced.

Clean Closure ROM Cost

~\$2M

CASs

CAU 426 consists of one CAS (RG-08-001-RGCS) comprised of four waste trenches located at Cactus Spring. The trenches were excavated to receive solid waste generated in support of Operation Roller Coaster, primarily the Double Tracks Test in 1963. The Double Tracks Test involved the use of live animals to assess the biological hazards associated with the non-nuclear detonation of plutonium-containing devices.



CAU 426 CAS RG-08-001-RGCS Cover and Fencing

CAU 427: Area 3 Septic Waste Systems 2, 6 (TTR)

- CAS 03-05-002-SW02: Septic Waste System
- CAS 03-05-002-SW06: Septic Waste System

Contaminants/Waste Present

Hydrocarbon-impacted septic waste was the only contamination/waste detected during characterization of the site.

Current Site Conditions

Leachfields and septic tanks are marked by at-grade monuments and are covered by red rock to aid in location during post-closure site inspections. The CAU is inspected annually to document the integrity of the site.

Clean Closure ROM Cost

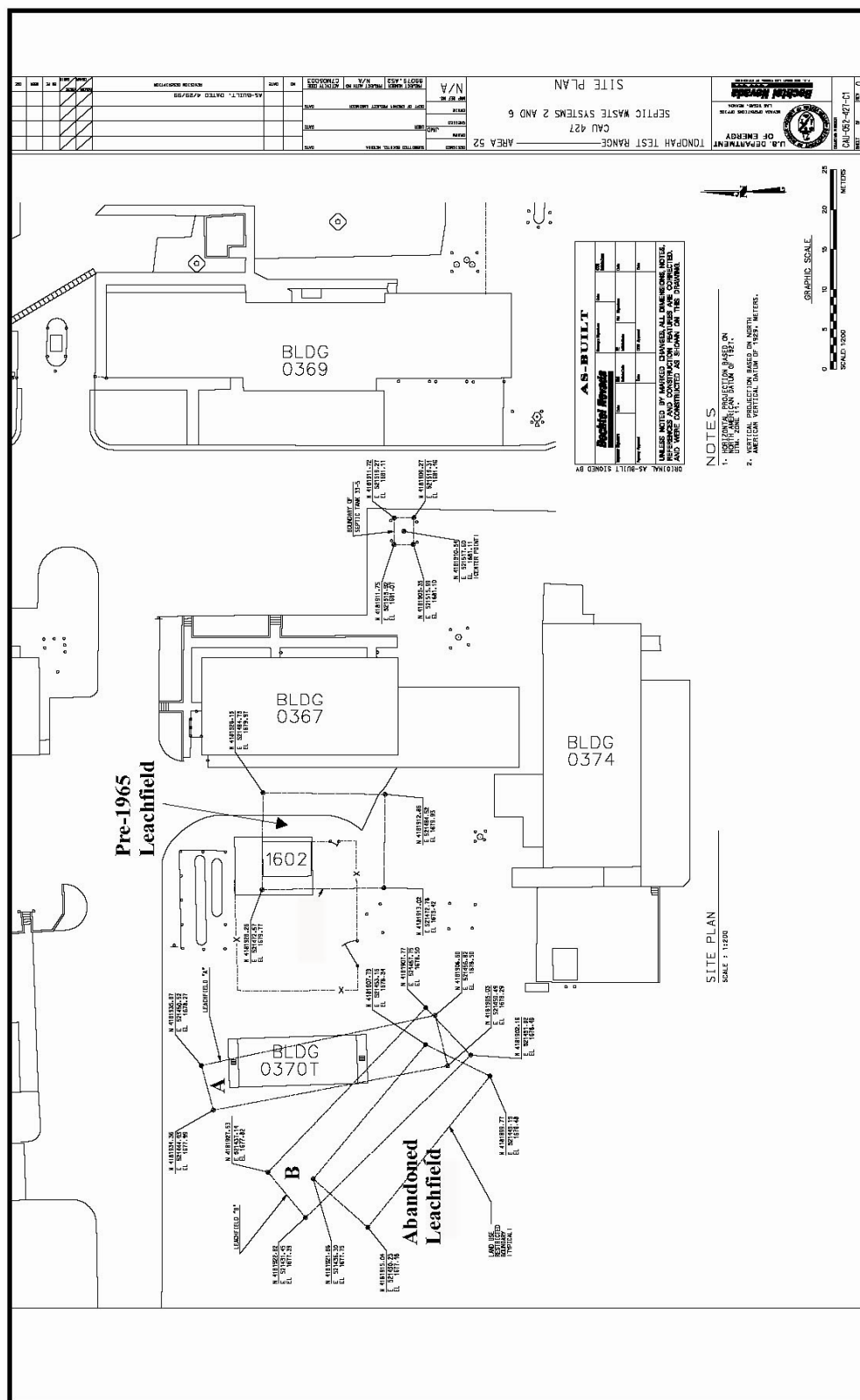
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CASs

CAU 427 CASs are located within the Area 3 compound. The septic waste systems associated with CAS 03-05-002-SW02 and CAS 03-05-002-SW06 were installed to receive sanitary waste and industrial liquid waste generated from site maintenance and other daily operations conducted at the Area 3 compound from approximately 1960 through 1990.



CAU 427 Septic System At-Grade Monuments



CAU 429: Area 3 Building 03-55 & Area 9 Building 09-52 Underground Discharge Points (TTR)

- CAS 03-51-001-0355: Photo Shop UDP, Drains
- CAS 09-51-001-0952: Mobile Photographic Lab UDPs

Contaminants/Waste Present

Silver (5,909 mg/kg) was the only contaminant present above action levels.

Current Site Conditions

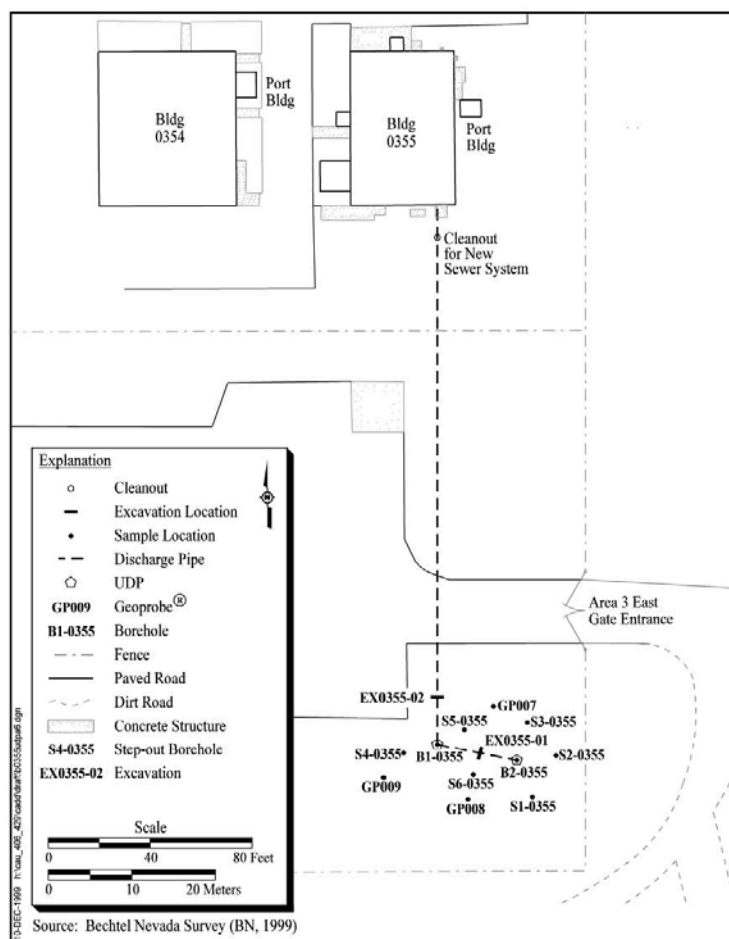
CAS 03-51-001-0355 (Photo Shop UDP, Drains) was closed in place with land-use restrictions. No post-closure inspections are required at this site.

Clean Closure ROM Cost

~\$5M

CASs

Contamination above action levels was detected at only CAS 03-51-001-0355 (Photo Shop UDP, Drains). This site is located in the Area 3 compound.



CAU 429 CAS 03-51-001-0355, Area 3 Photoshop UDP Location



Vicinity of CAU 429 Area 3 Photoshop UDP

CAU 453: Area 9 UXO Landfill (TTR)

- CAS 09-55-001-0952: Area 9 Landfill

Contaminants/Waste Present

Waste at this CAS consists of UXO and UXO debris.

Current Site Conditions

The Area 9 UXO landfill (CAS 09-55-001-0952) is closed with land-use restrictions and is fenced. The landfill cells are marked by above-ground concrete monuments. The CAU is inspected annually to document the integrity of the site.

Clean Closure ROM Cost

~\$20M

CASs

CAU 453 consists of CAS 09-55-001-0952, which is comprised of three waste cells located north of the Area 9 compound. The landfill cells were active from the early 1960s through 1993, and received waste generated from daily operations at Area 9 and from range clean up of weapons testing debris. The buried contents of the landfill cells were not investigated due to the potential of live UXO.



CAU 453 CAS 09-55-001-0952 Landfill Monuments and Fencing

CAU 487: Thunderwell Site (TTR)

- CAS RG-26-001-RGRV: Thunderwell Site

Contaminants/Waste Present

Buried non-impacted metal debris is the only waste present at the Thunderwell Site

Current Site Conditions

Two locations at CAU 487 CAS RG-26-001-RGRV (Thunderwell Site) containing buried metal debris related to the Thunderwell tests have land-use restrictions and are marked by above-ground concrete monuments. The CAU is inspected annually to document the integrity of the site.

Clean Closure ROM Cost

~\$0.25M

CASs

CAU 487 CAS RG-26-001-RGRV (Thunderwell Site) is located southeast of the intersection of Avenue 57 and Avenue 25, approximately 5 miles north of Area 3. The site was the location of a series of reentry vehicle explosive tests conducted from 1957 until the early 1960s. Geophysical surveys of the site located two primary locations of large buried debris which were closed in place. Numerous buried vertical metal tubes, approximately 6 feet in diameter, are also present at the site.



CAU 487 CAS RG-26-001-RGRV (Thunderwell Site) Monuments

Active CAU Description

This section provides a summary of the CAUs and CASs where Environmental Restoration activities are currently being conducted. All currently active CAUs are planned for clean closure of any waste or contamination above action levels.

CAU 408: Bomblet Target Area (TTR)

- CAS TA-55-002-TAB2: Bomblet Target Areas

Contaminants/Waste Present

Contaminants and/or waste are expected to consist of submunition ordnance, explosive residue, and DU located at former test locations.

Current Site Conditions

This CAU is currently in the active closure phase and field activities are anticipated to be completed by the end of fiscal year 2007.

CASs

CAS TA-55-002-TAB2 (Bomblet Target Areas) consists of six separate locations where submunition testing was conducted. These locations include Mid Target, BLU-63 area, SAC Target, South Antelope Lake, and Tomahawk Targets 1 and 2. The sites in CAU 408 are planned to be clean closed and cleared of submunition.

CAU 484: Antelope and NEDS Lakes Waste Sites (TTR)

- CAS TA-52-001-TANL NEDS Detonation Area
- CAS TA-52-004-TAAL Metal Particle Dispersion Test
- CAS TA-52-005-TAAL Joint Test Assembly DU Sites
- CAS TA-54-001-TANL Containment Tank and Steel Structure
- CAS RG-52-007-TAML Davis Gun Penetrator Test
- CAS TA-52-006-TAPL Depleted Uranium Site

Contaminants/Waste Present

Contaminants and/or waste at the CAU 484 locations consists of DU and miscellaneous debris.

Current Site Conditions

Closure activities are currently in progress at CAU 484 locations and all sites will be clean closed. Closure activities will be completed by July 2007.

CASs

CAS TA-52-001-TANL (NEDS Detonation Area) consists of DU contamination which has resulted from the NEDS test series on NEDS Lake.

CAS TA-52-004-TAAL (Metal Particle Dispersion Test) consists of DU contamination which has resulted from the Metal Particle Dispersion tests on north Antelope Lake where a DU-containing JTA device was detonated.

CAS TA-52-005-TAAL (Joint Test Assembly DU Sites) consists of DU rings which were lost during testing on Antelope Lake.

CAS TA-54-001-TANL (Containment Tank and Steel Structure) consists of three non-impacted metal structures on the north end of NEDS Lake.

CAS RG-52-007-TAML (Davis Gun Penetrator Test) consists of Davis Gun testing locations on Antelope, Brownes, Pedro, and Main Lakes; and Antelope Tuff 1, Antelope Tuff 2, Sidewinder Tuff, Myers Ridge, and Mt Helen (Nellis Range 75).

CAS TA-52-006-TAPL (Depleted Uranium Site) consists of DU contamination which has resulted from the Colimbo test on NEDS Lake where a W80 cruise missile was detonated over the lake bed.

CAU 496: Buried Rocket (TTR)

- CAS TA-55-008-TAAL Buried Rocket

Contaminants/Waste Present

DU-impacted debris and soil were removed from the site. The site has been clean closed and no residual waste or contamination is present.

Current Site Conditions

Closure activities have been recently completed (removal of rocket debris and DU-impacted debris and soil). The closure report will be completed by June 2007.

CASs

CAS TA-55-008-TAAL (Buried Rocket) was located on Mid Lake and was confirmed to be an M-50 Honest John rocket. Radiological surveys identified DU in the vicinity of the rocket impact location. All DU contamination was removed and clean closure has been verified with radiological surveys and laboratory analysis of soil samples.