

**Table K-1-1
Non-Hazardous Drilling and Extraction Well Liquid Investigation-Derived Waste Disposal in Q4 2018**

Collection Date	Well ID	Container Type^a	Number of Containers	Estimated Volume (Gallons)	Discharge Date	Effluent Discharge Location	Disposal Technician	Notes
10/23/2018	106S5 DM #1	Poly drum	1	45	11/30/2018	Golf Course	PF	Containment pad rain water
10/23/2018	106S5 DM #2	Poly drum	1	45	11/30/2018	Golf Course	PF	Containment pad rain water
10/23/2018	106S5 DM #3	Poly drum	1	25	11/30/2018	Golf Course	PF	Containment pad rain water
11/29/2018	KAFB-106S5-3	Poly drum	1	20	11/30/2018	Golf Course	PF	Water from roll off bin
11/30/2018	KAFB-106S5-4	Poly drum	2	55	11/30/2018	Golf Course	PF	Water from roll off bin
			Total	190				

ID = Identification

KAFB = Kirtland Air Force Base

PF = Pete Ferrari

^aPoly Drum = 55-gallon plastic drum sealed with plastic cover and locking-ring steel collar

^aStorage Tank = 20,000-gallon steel tank

**Table K-1-2
Non-Hazardous Drilling Liquid Investigation-Derived Waste Disposal in Q1 2019**

Collection Date	Well ID	Container Type^a	Number of Containers	Estimated Volume (Gallons)	Discharge Date	Effluent Discharge Location	Disposal Technician	Notes
12/10/2018	KAFB 106S4-DM-1	Steel drum	1	50	1/28/2019	GWTS	PF	Development water from 106S4
12/10/2018	KAFB 106S4-DM-2	Steel drum	1	38	1/28/2019	GWTS	PF	Development water from 106S4
11/7/2018	KAFB 106S9-2	Poly drum	1	40	1/28/2019	GWTS	PF	Water pumped from bin S9-2
11/7/2018	KAFB 106S9-2	Poly drum	1	35	1/28/2019	GWTS	PF	Water pumped from bin S9-2
11/15/2018	KAFB 106S4-3	Poly drum	1	20	1/28/2019	GWTS	PF	Water pumped from bin S4-3
11/21/2018	KAFB 106S2-2	Poly drum	1	20	1/28/2019	GWTS	PF	Water pumped from bin S2-2
Q1 Various	VZ-Hydroknife Bin	Tote	1	100	2/12/2019	GWTS	PF	Water from hydroknife activities
			Total	303				

ID = Identification

KAFB = Kirtland Air Force Base

PF = Pete Ferrari

^aPoly Drum = 55-gallon plastic drum sealed with plastic cover and locking-ring steel collar

**Table K-1-3
Non-Hazardous Liquid Drilling Investigation-Derived Waste Disposal in Q2 2019**

Collection Date	Well ID	Container Type ^a	Number of Containers	Estimated Volume (Gallons)	Discharge Date	Effluent Discharge Location	Disposal Technician	Notes
3/6/2019	KAFB-106247-DW-1	Steel drum	1	50	4/1/2019	Golf Course	PF	GWTS disposal
3/6/2019	KAFB-106247-DW-2	Steel drum	1	50	4/1/2019	Golf Course	PF	GWTS disposal
3/4/2019	KAFB-VZDP-water 1-5	Steel drum	5	250	4/1/2019	Golf Course	PF	GWTS disposal
Q1 Various	VZ Baker Tank Water	Baker Tank	1	7870	4/1/2019	Golf Course	PF	GWTS disposal
4/31/2019	Decon Pad Water BT #1	Poly drum	1	30	6/7/2019	Golf Course	PF	GWTS disposal
4/31/2019	Decon Pad Water BT #2	Poly drum	1	40	6/7/2019	Golf Course	PF	GWTS disposal
4/31/2019	Decon Pad Water BT #3	Poly drum	1	20	6/7/2019	Golf Course	PF	GWTS disposal
4/2/2019	KAFB BT pressure wash #1	Tote	1	85	4/10/2019	Golf Course	PF	Water pumped off tote for GWTS disposal
4/2/2019	KAFB BT pressure wash #2	Tote	1	95	4/10/2019	Golf Course	PF	Water pumped off tote for GWTS disposal
4/2/2019	KAFB-106247/VZDP pressure wash	Steel drum	1	35	6/12/2019	ACT	-	Off-site disposal, ACT Manifest #D247143
4/2/2019	KAFB BT pressure wash- Consolidated #1 and #2	Tote	1	85	6/12/2019	ACT	-	Off-site disposal, ACT Manifest #D247143
			Total	8,610				

ACT = Advanced Chemical Treatment

GWTS=Groundwater Treatment System

KAFB = Kirtland Air Force Base

PF= Pete Ferrari

^aBaker Tank = 21,000-gallon steel tank with locking steel access ports

^aSteel Drum = 55-gallon steel, opentop drum with steel cover and locking ring steel collar

^aPoly Drum = 55-gallon plastic drum sealed with plastic cover and locking-ring steel collar

^aTote = 275-gallon plastic container with aluminum protective frame

**Table K-2-1
Hazardous Waste Disposal, Q1 2019**

90-Day Entry Date ^a	90-Day Deadline ^a	Well Location ID	Matrix	Container Type	Estimated Volume (gals)	Disposal Date	Transporter	Disposal Facility	Manifest Number
12/21/2018	3/20/2019	KAFB-106S5-DM-1	water/sand	steel drum	48	2/11/2019	ACT	Advance Chemical Transport, 6133 Edith Blvd NE, Albuquerque, NM 87112	Development Water-Hazardous, Manifest# 0122670 FLE
12/21/2018	3/20/2019	KAFB-106S5-DM-2	water/sand	steel drum	50				
12/21/2018	3/20/2019	KAFB-106S3-DM-1	water/sand	steel drum	53				
12/21/2018	3/20/2019	KAFB-106S3-DM-2	water/sand	steel drum	55				
1/7/2019	4/6/2019	KAFB-106S2-DM-1	water/sand	steel drum	45				
1/7/2019	4/6/2019	KAFB-106S2-DM-2	water/sand	steel drum	50				
1/7/2019	4/6/2019	KAFB-106S9-DM-1	water/sand	steel drum	40				
1/7/2019	4/6/2019	KAFB-106S9-DM-2	water/sand	steel drum	45				
1/7/2019	4/6/2019	KAFB-106S9-DM-3	water/sand	steel drum	20				
					Total	406			

^a Date associated with original drums prior to consolidation.

GWM = Groundwater monitoring

ID = Identification

NA = not applicable. Small volume from this drum was non-hazardous. The liquid was consolidated with the hazardous waste

Steel Drum = 55 gallon steel drum with locking steel collar

**Table K-2-2
Hazardous Waste Disposal, Q2 2019**

90-Day Entry Date ^a	90-Day Deadline ^a	Well Location ID	Matrix	Source	Container Type	Estimated Volume (gallons)	Disposal Date	Transporter	Disposal Facility	Manifest Number
3/15/2019	6/12/2019	KAFB-106S1-DW-1	water/sand	Monitoring well drilling	steel drum	50	4/24/2019	ACT	Advanced Chemical Transport, 6133 Edith Blvd NE, Albuquerque, NM 87112	012267322 FLE
		KAFB-106S1-DW-2	water/sand	Monitoring well drilling	steel drum	50				
3/15/2019	6/12/2019	KAFB-106S8-DW-1	water/sand	Monitoring well drilling	steel drum	50	4/24/2019	ACT	Advanced Chemical Transport, 6133 Edith Blvd NE, Albuquerque, NM 87112	012267322 FLE
		KAFB-106S8-DW-2	water/sand	Monitoring well drilling	steel drum	40				
3/22/2019	6/19/2019	KAFB-106S7-DW-1	water/sand	Monitoring well drilling	steel drum	50	4/24/2019	ACT	Advanced Chemical Transport, 6133 Edith Blvd NE, Albuquerque, NM 87112	012267322 FLE
		KAFB-106S7-DW-2	water/sand	Monitoring well drilling	steel drum	48				
						Total				

ACT = Advanced Chemical Transport, Inc.

^a Date associated with original drums prior to consolidation.

GWM¹ = Groundwater monitoring. The consolidated purge water from Q2 2019 GWM activities did not meet hazardous waste criteria.

ID = Identification

KAFB = Kirtland Air Force Base

NA = not applicable

Steel Drum = 55 gallon steel drum with steel cover and locking steel collar

**Table K-3-1
Special Waste ¹ Drilling Solid Investigation-Derived Waste Disposal, Q1 2019**

IDW Yard Entry Date	EA Container ID	Matrix	Container Type	Estimated Volume (yd)	Disposal Date	Transporter	Disposal Location	Special Waste Manifest Number
12/13/2018	KAFB-106S2-2	Soil	15 yd HTRO	3	1/9/2019	ACT	WM	#078951
12/11/2018	KAFB-106S9-2	Soil	20-yd RO	6	1/9/2019	ACT	WM	#078952
1/23/2019	KAFB-106V1/V2-1	Soil	15 yd HTRO	12	1/25/2019	ACT	WM	#083304
1/23/2019	KAFB-106V1/V2-2	Soil	15 yd HTRO	10	2/20/2019	ACT	WM	#083304
1/23/2019	KAFB-106V1/V2-3	Soil	15 yd HTRO	12	3/13/2019	ACT	WM	#078955
				Total	43			

¹ = Petroleum contaminated soil that has TPH concentration greater than 100 mg/kg is considered a special waste (Subparagraph (i) of Paragraph (13) of Subsection S of 20.9.2.7 NMAC).

ACT = Advanced Chemical Transport Inc.

HTRO = Hard Top Roll Off

IDW = Investigation-Derived Waste

RO = Roll Off Bin

TPH = Total Petroleum Hydrocarbons

WM = Waste Management Landfill, Rio Rancho, New Mexico

Yd = Cubic Yard

**Table K-3-2
Special Waste ¹ Drilling Solid Investigation-Derived Waste Disposal, Q2 2019**

IDW Yard Entry Date	EA Container ID	Matrix	Container Type	Estimated Volume (yd)	Disposal Date	Transporter	Disposal Location	Manifest Number
Various	KAFB-VZDP-Mud-1 thru 5	Soil	55-gallon steel drum	1.2	4/3/2019	ACT	Advanced Chemical Treatment, 6133 Edith Blvd NE Albuquerque, NM 87107	D237576
				Total	1.2			

¹ = Petroleum contaminated soil that has TPH concentration greater than 100 mg/kg is considered a special waste (Subparagraph (i) of Paragraph (13) of Subsection S of 20.9.2.7 NMAC).

ACT = Advanced Chemical Transport Inc.

HTRO = Hard Top Roll Off

KAFB= Kirtland Air Force Base

RO = Roll Off Bin

Yd = Cubic Yard

**Table K-4-1
Non-Hazardous Drilling Solid Investigation-Derived Waste Disposal, Q4 2018**

IDW Yard Entry Date	EA Container ID	Matrix	Container Type	Estimated Volume (yd)	Disposal Date	Transporter	Disposal Location
10/9/2018	KAFB-106S5-1	soil	20-yd RO	16	10/31/2018	ACT	KAFB C&D Landfill
10/10/2018	KAFB-106S5-2	soil	20-yd RO	10	11/16/2018	ACT	KAFB C&D Landfill
10/24/1/8	KAFB-106S5-3	soil	20 yd RO	2	12/13/2018	ACT	KAFB C&D Landfill
10/17/2018	KAFB-106S4-1	soil	20-yd RO	17	11/16/2018	ACT	KAFB C&D Landfill
11/5/2018	KAFB-106S3-1	soil	20-yd RO	18	12/14/2018	ACT	KAFB C&D Landfill
11/5/2018	KAFB-106S9-1	soil	20-yd RO	16	11/16/2018	ACT	KAFB C&D Landfill
10/23/2018	KAFB-106S9-3	soil	20-yd RO	14	12/13/2018	ACT	KAFB C&D Landfill
				Total	93		

ACT = Advanced Chemical Transport Inc.
C&D = Construction and Demolition
RO = Roll Off Bin
Yd = Cubic Yard

**Table K-4-2
Non-Hazardous Drilling Solid Investigation-Derived Waste Disposal, Q1 2019**

IDW Yard Entry Date	EA Container ID	Matrix	Container Type	Estimated Volume (yd)	Disposal Date	Transporter	Disposal Location
10/4/2018	VZ-Hydroknife	mud/sand	25-yd HTRO	6	2/19/2019	ACT	Twin Enviro Services*
10/29/2018	KAFB-106S5-4	soil/mud	15-yd HTRO	7	2/22/2019	ACT	KAFB C&D
11/15/2018	KAFB-106S4-2	Soil	20-yd RO	5	1/4/2018	ACT	KAFB C&D
12/13/2018	KAFB-106S4-3	Soil	15 yd HTRO	3	1/8/2019	ACT	KAFB C&D
11/28/2018	KAFB-106S3-2	Soil	15 yd HTRO	5	1/8/2019	ACT	KAFB C&D
11/18/2018	KAFB-106S2-1	Soil	20-yd RO	16	1/8/2019	ACT	KAFB C&D
11/21/2018	KAFB-106S2-3	Soil	20-yd RO	12	1/8/2019	ACT	KAFB C&D
12/10/2018	KAFB-106S1-1	Soil	15-yd HTRO	14	1/14/2019	ACT	KAFB C&D
12/10/2018	KAFB-106S1-2	Soil	15 yd HTRO	2	1/23/2019	ACT	KAFB C&D
2/6/2019	KAFB-106S1-3	Soil	15 yd HTRO	13	3/15/2019	ACT	KAFB C&D
2/12/2019	KAFB-106S1-4	Soil	15 yd HTRO	13	3/15/2019	ACT	KAFB C&D
1/23/2019	KAFB-106S8-1	Soil	20-yd RO	9	3/13/2019	ACT	KAFB C&D
2/20/2019	KAFB-106S8-2	Soil	20-yd RO	15	3/12/2018	ACT	KAFB C&D
2/20/2019	KAFB-106S8-3	Soil	20-yd RO	8	3/13/2019	ACT	KAFB C&D
1/19/2019	KAFB-106S7-1	Soil	20-yd RO	12	2/20/2019	ACT	KAFB C&D
1/31/2019	KAFB-106S7-2	Soil	20-yd RO	13	2/20/2019	ACT	KAFB C&D
1/31/2019	KAFB-106S7-3	Soil	20-yd RO	6	3/12/2019	ACT	KAFB C&D
2/6/2019	KAFB-106247-1	Soil	20-yd RO	13	3/13/2019	ACT	KAFB C&D
Total				159			

ACT = Advanced Chemical Transport Inc.

C&D = Construction and Demolition

HTRO = Hard Top Roll Off

IDW = Investigation-Derived Waste

RO = Roll Off Bin

Yd = Cubic Yard

*Twin Enviro Services landfill in Penrose, CO under manifest number D231596

**Table K-4-3
Non-Hazardous Drilling Solid Investigation-Derived Waste Disposal, Q2 2019**

IDW Yard Entry Date	EA Container ID	Matrix	Container Type	Estimated Volume (yd)	Disposal Date	Transporter	Disposal Location	Manifest Number
3/1/2019	KAFB-106247-2	Soil	20-yd RO	10	4/10/2019	ACT	*Twin Enviro	D237652
3/1/2019	KAFB-106247-3	Soil	20-yd RO	10	4/10/2019	ACT	*Twin Enviro	D237653
3/5/2019	KAFB-106247-4	Soil	15-yd HTRO	2	4/10/2019	ACT	*Twin Enviro	D237651
			Total	22				

ACT = Advanced Chemical Transport Inc.

HTRO = Hard Top Roll Off

KAFB= Kirtland Air Force Base

RO = Roll Off Bin

Yd = Cubic Yard

*Twin Enviro Services landfill in Penrose, CO