



FINAL
April 2014

Closure Report

Contractor Debris Cleanup

Former Naval Air Facility Adak

Adak, Alaska

Department of the Navy
Naval Facilities Engineering Command
Northwest

1101 Tautog Circle, Suite 203
Silverdale, WA 98315



**FINAL
CLOSURE REPORT
CONTRACTOR DEBRIS CLEANUP
FORMER NAVAL AIR FACILITY ADAK
ADAK, ALASKA**

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CONTENTS

FIGURES.....	ii
TABLES	iv
ATTACHMENTS.....	iv
Section 1.0: INTRODUCTION	1
Section 2.0: TASKS.....	1
2.1 Task 1: 303 Main Road, Oil Water Separator MilVan and Storage Tank	3
2.2 Task 2: 146 Housing, Oil Water Separator MilVan and Storage Tank.....	6
2.3 Task 3: 102 McDonalds, Oil Water Separator MilVan and Storage Tank.....	8
2.4 Task 4: White Alice Site Tarp.....	11
2.5 Task 5: Container, Contractor Camp	14
2.6 Task 6: Container, Contractor Camp, TAC Building 1.....	14
2.7 Task 7: Container, Contractor Camp, TAC Building 2.....	15
2.8 Task 8: MilVan, Contractor Camp	15
2.9 Task 9: MilVan with Drums, Contractor Camp.....	15
2.10 Task 10: Sacks of Sand/Dirt, ROICC Building.....	17
2.11 Task 11: Plastic Sheeting, ROICC Building	18
2.12 Task 12: Drums, ROICC Building.....	18
2.13 Task 13: Airfield, Plastic Oil Water Separator and Plastic Storage Tank.....	20
2.14 Task 14: Yakatuck Building Outside Oil Recovery Tank, Inside 55-gallon Drum and Pumps.....	21
2.15 Task 15: Sewer Repair, Finger Bay Road	22
2.16 Task 16: 107 Old Boat Work Shop, Oil Water Separator MilVan and Storage Tank	25
2.17 Task 17: Drums, Pesticide Storage Area.....	28
2.18 Task 18: Trailers Three Each, Magazine Storage Area.....	29
2.19 Task 19: Drums in Bunker, Magazine Storage Area	30
2.20 Task 20: Sacks of Sand/Dirt, Outside of the ROICC Building	31
2.21 Task 21: Sacks of Sand/Dirt, on Contractor Pad.....	32
2.22 Task 22: Silva-Fiber (Thought to be Hay), on Contractor Pad	33
2.23 Task 23: Navy Equipment, NMCB Building.....	34
Section 3.0: CONCLUSIONS	36

FIGURES

Figure 1. Removal of the Storage Tank	4
Figure 2. Ripping Open the Top of the Storage Tank.....	5
Figure 3. Moving the Separator MilVan	5
Figure 4. Capped Incoming/Outgoing Pipes.....	6
Figure 5. Filling the Crawl Space	6
Figure 6. Removal of the MilVan	7
Figure 7. Removal of the Storage Tank	7
Figure 8. Ripping the Top of the Tank.....	8
Figure 9. Filling the Crawl Space	8
Figure 10. Removal of the MilVan.....	9

Figure 11. Removal of the Storage Tank	9
Figure 12. Ripping the Top of the Tank.....	10
Figure 13. Capped Incoming/Outgoing Pipes.....	10
Figure 14. Filling the Crawl Space	11
Figure 15. Soil-covered Tarps.....	12
Figure 16. Excavator Scraping Soil Away to Remove Tarps	12
Figure 17. Removal of Tarp in Pieces.....	13
Figure 18. Burning of the Tarp at the Scrapyard	13
Figure 19. Regrading of the Site	14
Figure 20. MilVan.....	16
Figure 21. Removal of the MilVan	16
Figure 22. Current View of Site.....	17
Figure 23. Removal of Super Sacks, Bentonite, and Vermiculite	17
Figure 24. Removal of Drums	18
Figure 25. Drum Contents Emptied into a Hole	19
Figure 26. Crushed Drums	19
Figure 27. Excavator Draining the Separator and Storage Tank	20
Figure 28. Cleaned Site.....	20
Figure 29. Tank Being Loaded into Dump Truck.....	21
Figure 30. Collection of Drums	21
Figure 31. Well Pump Removal Inside Building	22
Figure 32. Empty Inside Building.....	22
Figure 33. Hand Digging the Marked Locations	23
Figure 34. Location of Electrical Wires and Old Gas Line.....	23
Figure 35. Removal of Overburden from the Damaged Pipe	24
Figure 36. Hand Digging to Remove Soil Entering Pipe during Excavation	24
Figure 37. Patching the Damaged Pipe.....	25
Figure 38. Packing Dirt around the Seal	25
Figure 39. Removal of the MilVan	26
Figure 40. Removal of the Storage Tank	26
Figure 41. Ripped Storage Tank	27
Figure 42. Capped Incoming/Outgoing Pipes.....	27
Figure 43. Crawl Space Filled with Backfill.....	28
Figure 44. Crushing of Drums	28
Figure 45. Drums Removed.....	29
Figure 46. Removal of Storage Tanks and Black Boxes from White Trailers.....	30
Figure 47. Removal of External Components.....	30
Figure 48. Nine Drums	31
Figure 49. Nine Drums Removed	31
Figure 50. Super Sacks Outside the ROICC Building	32
Figure 51. Removal of Super Sacks.....	32
Figure 52. Removal of Super Sacks from Contractor Pad	33
Figure 53. Collection of Silva-Fiber	33
Figure 54. Transportation of Silva-Fiber	34
Figure 55. Work Room Storage	35
Figure 56. Storage Items Transferred to Scrapyard	35

TABLES

Table 1. Cleanup Tasks Conducted..... 1
Table 2. Drum Information 37

ATTACHMENTS

- Attachment 1. Completed DD Form 1348
- Attachment 2. Shed 1 Sample Logs
- Attachment 3. Shed 2 Sample Logs
- Attachment 4. MilVan Sample Logs
- Attachment 5. ROICC Building Sample Logs
- Attachment 6. Emerald Alaska Waste Disposal Report

Section 1.0: INTRODUCTION

Site walks were conducted on June 8-9, 2012 and September 25, 2012 by Navy representatives on Former Naval Air Facility Adak, Adak Island, Alaska, to identify multiple areas where previous Navy contractors left or abandoned surplus contract material (debris) or drums assumed to hold unknown contaminated waste, fuels or oils. From the site walks and follow-on teleconferences, a list of cleanup tasks was created by the Navy.

The objectives of these tasks were to: transfer recyclables and waste off-island; remove tank and treatment systems; remove the remediation system; remove unused sampling equipment; characterize the contents of drums from the identified areas; remove old contractor debris; and excavate, cap, and backfill a damaged sewer line.

Section 2.0: TASKS

Table 1 lists the tasks that were identified during the site walks, as well as additional tasks that were identified after the site walks, and issued to Battelle. Battelle utilized S&R Enterprises as a subcontractor for metal recycling and scrap disposal and Emerald Alaska as a subcontractor to perform waste characterization and disposal services.

Table 1. Cleanup Tasks Conducted

Task #	Task	Steps Taken
Task 1	303 Main Road, Oil Water Separator MilVan and Storage Tank	<ul style="list-style-type: none"> • Remove complete unit • Stub and cap the utilities • Grade as necessary to clean up the site • Complete DD Form-1348 for transfer of government property
Task 2	146 Housing, Oil Water Separator MilVan and Storage Tank	<ul style="list-style-type: none"> • Remove complete unit • Stub and cap the utilities • Grade as necessary to clean up the site • Complete DD Form-1348 for transfer of government property
Task 3	102 McDonalds, Oil Water Separator MilVan and Storage Tank	<ul style="list-style-type: none"> • Remove complete unit • Stub and cap the utilities • Grade as necessary to clean up the site • Complete DD Form-1348 for transfer of government property
Task 4	White Alice Site Tarp	<ul style="list-style-type: none"> • Remove the tarp and discard as trash • Grade the site to make it look presentable
Task 5	Contractor Camp – Container Outside of TAC Building 1	<ul style="list-style-type: none"> • Remove and discard the container
Task 6	Contractor Camp – TAC Building 1 – ID Drums	<ul style="list-style-type: none"> • Identify the contents of the drums • Remove any empty drums, crush and dispose • Identify containers of liquid which are not waste oil
Task 7	Contractor Camp – TAC Building 2 – ID Drums	<ul style="list-style-type: none"> • Identify the contents of the drums • Remove any empty drums, crush and dispose • Identify containers of liquid which are not waste oil
Task 8	MilVan, Contractor Camp – Sand Filled	<ul style="list-style-type: none"> • Remove sand/grout/bentonite • Discard and burn the scrap wood • Complete DD Form-1348 for transfer of government property for MilVan
Task 9	MilVan, Contractor Camp – ID Drums	<ul style="list-style-type: none"> • Identify the contents of the drums • Remove any empty drums, crush and dispose • Identify containers of liquid which are not waste oil • Complete DD Form-1348 for transfer of government property for MilVan
Task 10	ROICC Building – Sacks of Sand/Dirt	<ul style="list-style-type: none"> • Remove the sacks of dirt/clay • Spread contents • Discard sacks and debris

Table 1. Cleanup Tasks Conducted (Continued)

Task #	Task	Steps Taken
Task 11	ROICC Building – Plastic Sheeting	<ul style="list-style-type: none"> Remove the sheeting
Task 12	ROICC Building – ID Drums	<ul style="list-style-type: none"> Identify the contents of the drums Remove any empty drums, crush and dispose Identify containers of liquid which are not waste oil
Task 13	Airfield Oil Water Separator and Storage Tank	<ul style="list-style-type: none"> Remove complete unit Stub and cap the utilities Grade as necessary to clean up the site Complete DD Form-1348 for transfer of government property
Task 14	Yakatuck Building – Debris 1. Oil Recovery Tank 2. Pumps and plumbing	<ul style="list-style-type: none"> Pump any contents Characterize and dispose Remove tank and associated aboveground plumbing Complete DD Form-1348 for transfer of government property Remove and recycle/dispose Complete DD Form-1348 for transfer of government property
Task 15	Sewer Repair, Finger Bay Road	<ul style="list-style-type: none"> Dig out broken septic line Remove well pipe from septic Repair septic line Grade as necessary to clean up the site
Task 16	107 Old Boat Work Shop, Oil Water Separator MilVan and Storage Tank	<ul style="list-style-type: none"> Remove complete unit Stub and cap the utilities Grade as necessary to clean up the site Complete DD Form-1348 for transfer of government property
Task 17	Pesticide Storage Area – ID Drums	<ul style="list-style-type: none"> Remove the empty drums, crush and dispose Complete DD Form-1348 for transfer of government property
Task 18	Magazine Storage Area – 3 Trailers	<ul style="list-style-type: none"> Identify usable trailers Remove external tanks from usable trailers Dispose of unusable trailers Complete DD Form-1348 for transfer of government property for usable trailers
Task 19	Magazine Storage Area – ID Drums	<ul style="list-style-type: none"> Identify the contents of the drums Remove any empty drums, crush and dispose Complete DD Form-1348 for transfer of government property
Task 20	ROICC Building – Sacks of sand/dirt	<ul style="list-style-type: none"> Remove the sacks of dirt/clay Spread contents Discard sacks and debris
Task 21	Contractor Pad – Sacks of sand/dirt	<ul style="list-style-type: none"> Remove the sacks of dirt/clay Spread contents Discard sacks and debris

Table 1. Cleanup Tasks Conducted (Continued)

Task #	Task	Steps Taken
Task 22	Contractor Pad – Hay	<ul style="list-style-type: none"> • Remove the hay • Spread contents • Discard banding and debris
Task 23	NMCB Building – Contractor Debris	<ul style="list-style-type: none"> • Remove all contractor debris • Remove and destroy pumps • Remove and destroy monitoring equipment • Complete DD Form-1348 for transfer of government property for pumps and monitoring equipment

All tasks summarized in Table 1 were completed in their entirety, other than Tasks 1, 2, 3, and 16. Tasks 1, 2, 3, and 16 were completed as directed by this tasking, but the concrete footings and crawl spaces that supported the MilVans still remain in place. Even though the crawl spaces and footings were filled in and leveled with fill material, the concrete still remains and the removal of the concrete will need to be addressed in a separate task if the Navy wants it removed.

In December 2012, various items (e.g., metal tanks) and consolidated debris were transported off-island via barge for recycling or other proper disposal by S&R Enterprises.

All DD Form 1348s, transferring government equipment to the responsible party, are included in Attachment 1.

All drums that were classified as contaminated waste, oils or fuels from the contractor pad, TAC Buildings 1 and 2, the MilVans, and the ROICC building were consolidated into TAC Building 1. The complete listing of the preliminary results of the drum testing completed by Emerald Alaska are included in Attachments 2 through 5 (i.e., the contractor pad, TAC Building 1 results are in Attachment 2; the contractor pad, TAC Building 2 results are in Attachment 3; the contractor pad, MilVan results are in Attachment 4; and the results for the drums located in the ROICC building are in Attachment 5).

In May 2013, chemical wastes were transported off island via barge by Emerald Alaska and disposed at appropriate disposal facilities. Some incidental debris was also transported off island in May 2013 for disposal. The final report prepared by Emerald Alaska related to characterization, removal, and disposal of chemical wastes from the island that were associated with the tasks identified in Table 1 is included in Attachment 6.

2.1 Task 1: 303 Main Road, Oil Water Separator MilVan and Storage Tank

Equipment used: Excavator with shear, skid steer, bobcat, dump truck, and trailer to haul equipment

S&R Enterprises separated all external and internal/incoming and outgoing lines from the oil-water separator and removed the oil flow pipe to the storage tank. Using a skid steer equipped with a forklift attachment, the storage tank was removed (Figure 1) and transported to the S&R Enterprises scrapyards; the top was ripped open (Figure 2) to ensure that the tank could never be used again.

The local power company, TDK Power, shut off the power to the unit at the junction box, allowing S&R Enterprises to pull the power box and cut the power line below the ground surface. The power lines were capped and taped. A Category 5 data cable was also detached and capped below the ground surface, along with the well pump power lines from the separator MilVan.

S&R Enterprises utilized a container lift from the fish plant, which had the only equipment on the island with the power to lift and move the separator MilVan (Figure 3), to remove the oil-water separator unit. The unit was placed on a flatbed trailer and moved to the S&R Enterprises scrapyard (see Attachment 1, DD Form-1348 #17 and #18). Shipment of the MilVan and aboveground storage tank off island was included on the barge in December 2012.

Once the oil-water unit was removed, S&R Enterprises capped the 26 incoming and outgoing pipes (Figure 4) from the crawl space below the separator unit. Once the lines were capped, S&R Enterprises filled in the crawl space with fill material (Figure 5) to protect the lines and the public from falling or tripping on the exposed footing that supported the separator MilVan.



Figure 1. Removal of the Storage Tank



Figure 2. Ripping Open the Top of the Storage Tank



Figure 3. Moving the Separator MilVan



Figure 4. Capped Incoming/Outgoing Pipes



Figure 5. Filling the Crawl Space

2.2 Task 2: 146 Housing, Oil Water Separator MilVan and Storage Tank

Equipment used: Excavator with shear, skid steer, bobcat, dump truck, and trailer to haul equipment

S&R Enterprises separated all external and internal/incoming and outgoing lines from the oil-water separator and removed the oil flow pipe to the storage tank. The 146 separator MilVan is a 20-foot MilVan which allowed S&R Enterprises to use a skid steer equipped with a forklift attachment to remove the MilVan (Figure 6) and the associated storage tank (Figure 7). Both the MilVan and the storage tank were transported to the S&R Enterprises scrapyard, the storage tank top was ripped open (Figure 8) to

render it unserviceable, and the MilVan and storage tank were stored until being shipped off island in December 2012 (see Attachment 1, DD Form-1348 #19 and #20).

The local power company, TDK Power, shut off the power to the unit at the junction box, allowing S&R Enterprises to pull the power box and cut the power line below the ground surface. The power lines were capped and taped. A Category 5 data cable was also detached and capped below the ground surface, along with the well pump power lines from the separator MilVan.

Once the oil-water unit was removed, the nine incoming and outgoing pipes from the crawl space below the separator unit were capped. Once the lines were capped, S&R Enterprises filled in the crawl space with fill material (Figure 9) to protect the lines and the public from falling or tripping on the exposed footing that supported the separator MilVan.



Figure 6. Removal of the MilVan



Figure 7. Removal of the Storage Tank



Figure 8. Ripping the Top of the Tank



Figure 9. Filling the Crawl Space

2.3 Task 3: 102 McDonalds, Oil Water Separator MilVan and Storage Tank

Equipment used: Excavator with shear, skid steer, bobcat, dump truck, and trailer to haul equipment

S&R Enterprises separated all external and internal/incoming and outgoing lines from the oil-water separator and removed the oil flow pipe to the storage tank. The 102 separator MilVan is a 20-foot MilVan which allowed S&R Enterprises to use a skid steer equipped with a forklift attachment to remove the MilVan (Figure 10) and the associated storage tank (Figure 11). Both the MilVan and the storage tank were transported to the S&R Enterprises scrapyards, the storage tank top was ripped open (Figure 12)

to render it unserviceable, and the MilVan and storage tank were stored until being shipped off island in December 2012 (see Attachment 1, DD Form-1348 #21 and #22).

The local power company, TDK Power, shut off the power to the unit at the junction box, allowing S&R Enterprises to pull the power box and cut the power line below the ground surface. The power lines were capped and taped. A Category 5 data cable was also detached and capped below the ground surface, along with the well pump power lines from the separator MilVan.

Once the oil-water unit was removed, the nine incoming and outgoing pipes from the crawl space below the separator unit were capped (Figure 13). Once the lines were capped, S&R Enterprises filled in the crawl space with fill material (Figure 14) to protect the lines and the public from falling or tripping on the exposed footing that supported the separator MilVan.



Figure 10. Removal of the MilVan



Figure 11. Removal of the Storage Tank



Figure 12. Ripping the Top of the Tank



Figure 13. Capped Incoming/Outgoing Pipes



Figure 14. Filling the Crawl Space

2.4 Task 4: White Alice Site Tarp

Equipment used: Excavator, dump truck, and trailer to haul equipment

Several tarps, approximately 80 yards in length by 40 yards in width total, were laid out side by side/end to end, and covered with soil (Figure 15). The excavator was able to scrape the soil away and remove the tarp underneath (Figure 16). The tarp, due to age or length of time covered by the soil, was rotten and came out in pieces (Figure 17), but all pieces that were found were recovered and shipped to the S&R Enterprises scrapyard and burned (Figure 18) to ensure that no item recovered during this operation would be placed in the landfill. The site was regraded to return the site to the original condition (Figure 19). Three empty 55-gallon drums were also recovered from the site and crushed to prevent future use (see Attachment 1, DD Form-1348 #7); these drums were transported off island as scrap in December 2012.



Figure 15. Soil-covered Tarps



Figure 16. Excavator Scraping Soil Away to Remove Tarps



Figure 17. Removal of Tarp in Pieces



Figure 18. Burning of the Tarp at the Scrapyard



Figure 19. Regrading of the Site

2.5 Task 5: Container, Contractor Camp

Equipment used: Bobcat and dump truck

The liquid in the tank was sampled by Emerald Alaska and found to contain no harmful chemicals or contaminants. The plastic tank was punctured and drained on site, and the frame and tank were loaded onto the dump truck and hauled to the S&R Enterprises scrapyards where they were crushed to prevent future use and ultimately transported off island in December 2012.

2.6 Task 6: Container, Contractor Camp, TAC Building 1

Equipment used: Bobcat and dump truck

Five empty 55-gallon drums were removed and crushed to prevent future use (see Attachment 1, DD Form-1348 #3); these drums were transported off island as scrap in December 2012.

The following items were sampled by Emerald Alaska and found to contain chemicals or contaminants and not removed from the building (see Attachment 2, Shed 1 Sampling Logs):

- 1 × 85-gal Drum: Masons lime
- 1 × 55-gal Drum: Fuel-contaminated vermiculite
- 1 × 55-gal Drum: Fuel/oil-contaminated dirt and soil
- 1 × 55-gal Drum: Dried bentonite
- 1 × 55-gal Drum: Alkaline cleaner/degreaser
- 2 × 55-gal Drums: Uncrushed oil and fuel filters
- 3 × 55-gal Drums: Absorbent pads and rags
- 1 × 5-gal Bucket: Hydraulic oil
- 2 × 5-gal Buckets: Petroleum, oils, and lubricants contaminated water
- 2 × 5-gal Buckets: Alkaline cleaner/detergent

The drums/buckets listed above were removed from the island and disposed in May 2013 by Emerald Alaska (see Attachment 6).

2.7 Task 7: Container, Contractor Camp, TAC Building 2

Equipment used: Bobcat and dump truck

Ten empty 55-gallon drums were removed from in or around the building and crushed to prevent future use (see Attachment 1, DD Form-1348 #4); these drums were transported off site as scrap in December 2012.

The following items were sampled by Emerald Alaska and found to contain chemicals or contaminants.

- 1 × 55-gal Drum: Petroleum grease and water
- 1 × 30-gal Drum: Petroleum grease and water
- 1 × 30-gal Drum: Orange solvent
- 1 × 2-gal Bucket: Water/oil mixture
- 9 × 2-gal Buckets: Ammine-based epoxy
- 1 × 5-gal Bucket: Milky adhesive/additive
- 1 × 5-gal Bucket: Petroleum grease
- 1 × 5-gal Bucket: Unused turbine oil
- 2 × 5-gal Buckets: Petroleum, oils and lubricants contaminated water
- 3 × 5-gal Buckets: Petroleum, oils and lubricants contaminated water

These drums/buckets were labeled and removed from the building and consolidated into TAC Building 1 (see Attachment 3, Shed 2 Sampling Logs). The drums/buckets were removed from the island and disposed in May 2013 by Emerald Alaska (see Attachment 6).

2.8 Task 8: MilVan, Contractor Camp

Equipment used: Bobcat, excavator, and dump truck

S&R Enterprises used the bobcat to empty the MilVan, spreading the sand on the pad and removing the wood and bag material, then scooping the sand up and spreading the sand in holes in the road.

The bagged and open bentonite was removed and buried, and the empty bags were transported to the S&R Enterprises scrapyard and burned to ensure that no item recovered during this operation would be placed in the landfill.

The MilVan was moved to the S&R Enterprises scrapyard and crushed and stored until being shipped off island as scrap in December 2012 (see Attachment 1, DD Form-1348 #15).

2.9 Task 9: MilVan with Drums, Contractor Camp

Equipment used: Bobcat, skid steer, and dump truck

The MilVan was moved to the S&R Enterprises scrapyard (Figures 20 through 22) and crushed and stored until being shipped off island as scrap in December 2012 (see Attachment 1, DD Form-1348 #16).

The following items were sampled by Emerald Alaska and found to contain chemicals or contaminants.

- 1 × 55-gal Drum: RHEO Build 1000 (water reducing add mixture)

- 2 × 55-gal Drums: POZZLITH 322-N (concrete add mixture)
- 7 × 55-gal Drums: MB-VR (concrete add mixture)
- 9 × 55-gal Drums: Aqua resin cure
- 1 × 5-gal Bucket: Alkaline-based concrete add mixture
- 1 × 5-gal Bucket: Mortar resin

These drums/buckets were labeled and removed from the building and consolidated into TAC Building 1 (see Attachment 4, MilVan/Conex Sampling Logs). S&R Enterprises used the bobcat to transport and consolidate the containers in TAC Building 1. The drums/buckets were removed from the island and disposed in May 2013 by Emerald Alaska (see Attachment 6).



Figure 20. MilVan



Figure 21. Removal of the MilVan



Figure 22. Current View of Site

2.10 Task 10: Sacks of Sand/Dirt, ROICC Building

Equipment used: Bobcat, excavator, dump truck, and flatbed trailer

S&R Enterprises used the bobcat to push all super sacks, bentonite, and vermiculite to the edge of the building where the excavator (Figure 23) removed the bags and emptied the super sacks next to the building. The bentonite and vermiculite were buried on the far side of the road running next to the building. All emptied super sacks and bags were removed from the site, transported to the S&R Enterprises scrapyard, and burned to ensure that no item recovered during this operation would be placed in the landfill.

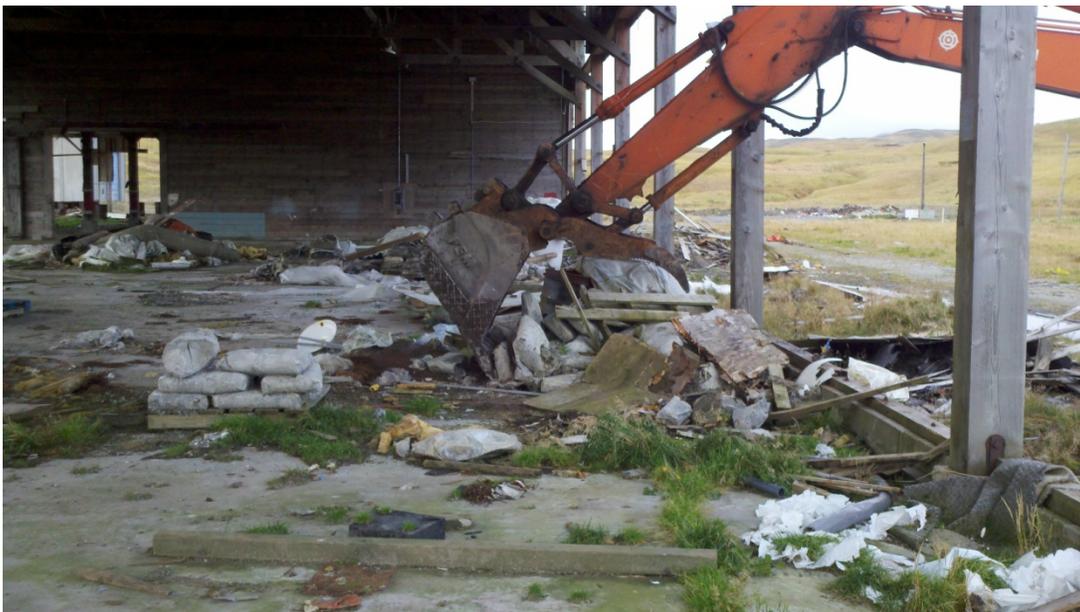


Figure 23. Removal of Super Sacks, Bentonite, and Vermiculite

2.11 Task 11: Plastic Sheeting, ROICC Building

Equipment used: Dump truck

The plastic sheeting was removed and placed in the dump truck, and transported to the S&R Enterprises scrapyard and burned to ensure that no item recovered during this operation would be placed in the landfill.

2.12 Task 12: Drums, ROICC Building

Equipment used: Bobcat, excavator, dump truck, and flatbed trailer

The following items were sampled by Emerald Alaska and found to contain chemicals or contaminants:

- Two 55-gal Drums: Petroleum, oils and lubricants contaminated water

These drums were removed from the building and consolidated into TAC Building 1 (see Attachment 5, ROICC Building Sampling Logs). The drums were removed from the island and disposed in May 2013 by Emerald Alaska (see Attachment 6).

The following drums were also tested and found *not* to contain any chemicals or contaminants:

- 1 × 85-gal Drum: Dirty rain water
- 1 × 85-gal Drum: Bentonite and water
- 2 × 85-gal Drums: Uncontaminated vermiculite and water
- 11 × 85-gal Drums: Uncontaminated vermiculite
- 1 × 55-gal Drum: Uncontaminated vermiculite
- 1 × 55-gal Drum: Bentonite and water
- 6 × 55-gal Drums: Uncontaminated bentonite

These drums were removed from the building (Figure 24), the contents were emptied into a hole (Figure 25) and the drums were crushed (Figure 26) to prevent future use (see Attachment 1, DD Form-1348 #8); the drums were transported off island as scrap in December 2012.



Figure 24. Removal of Drums



Figure 25. Drum Contents Emptied into a Hole



Figure 26. Crushed Drums

2.13 Task 13: Airfield, Plastic Oil Water Separator and Plastic Storage Tank

Equipment used: Excavator, dump truck, and trailer to haul equipment

S&R Enterprises used the excavator (Figure 27) to drain both the separator and the storage tank. Once drained, both were loaded into the dump truck along with all of the associated cables, wires, and piping (see Attachment 1, DD Form-1348 #25 & #26); these materials were transported off island as scrap in December 2012. All wires and cables were disconnected at the building and capped and the site cleaned (Figure 28).



Figure 27. Excavator Draining the Separator and Storage Tank



Figure 28. Cleaned Site

2.14 Task 14: Yakatuck Building Outside Oil Recovery Tank, Inside 55-gallon Drum and Pumps

Equipment used: Excavator, dump truck, and trailer to haul equipment

Using the excavator, S&R Enterprises ripped open the top of the tank (see Attachment 1, DD Form-1348 #27) and placed it in the dump truck (Figure 29); it was transported along with the inside 55-gallon drum (Figure 30, see Attachment 1, DD Form-1348 #28) filled with angle iron to the S&R Enterprises scrapyard. These materials were shipped off island in December 2012.

All well pumps located inside the building were removed and destroyed (Figures 31 and 32, see Attachment 1, DD Form-1348 #28), and were also transported off island as scrap in December 2012.



Figure 29. Tank Being Loaded into Dump Truck



Figure 30. Collection of Drums



Figure 31. Well Pump Removal Inside Building



Figure 32. Empty Inside Building

2.15 Task 15: Sewer Repair, Finger Bay Road

Equipment used: Service truck, air monitor, excavator, and trailer to haul equipment

S&R Enterprises applied for and received a dig permit within the city limits to repair the sewer. Brian Porter from TDK Power marked the location of buried power lines. The S&R Enterprises crew hand dug (Figure 33) the marked locations to locate the electrical wires and old gas line. Both items were located and positively identified (Figure 34) prior to the excavator digging on the broken septic pipe. The excavator operator removed all overburden from the damaged pipe (Figure 35), with help from hand digging around the electrical cables, old gas line, and secondary septic from the nearby housing unit.

Once the damaged pipe was exposed, S&R Enterprises used modified hand tools to remove soil/sediment that entered the pipe during excavation (Figure 36). Several patches were tried; the 12-inch corrugated pipe with a third of the circumference cut out worked as the best patch (Figure 37). The patch pipe was spread and slipped under the bottom hole in the damaged septic pipe, then wrapped around the top of the damaged pipe circling three quarters of the damaged septic pipe. Dirt was packed around the patch, sealing the patch pipe to the damaged pipe (Figure 38). The repair was left exposed overnight to check for leaks. The following morning no leaks were observed and the excavation was carefully refilled and leveled.



Figure 33. Hand Digging the Marked Locations



Figure 34. Location of Electrical Wires and Old Gas Line



Figure 35. Removal of Overburden from the Damaged Pipe



Figure 36. Hand Digging to Remove Soil Entering Pipe during Excavation



Figure 37. Patching the Damaged Pipe



Figure 38. Packing Dirt around the Seal

2.16 Task 16: 107 Old Boat Work Shop, Oil Water Separator MilVan and Storage Tank

Equipment used: Excavator with shear, skid steer, bobcat, dump truck, and trailer to haul equipment

S&R Enterprises separated all external and internal/incoming and outgoing lines from the oil-water separator and removed the oil flow pipe to the storage tank. The 107 separator MilVan is a 20-foot MilVan which allowed S&R Enterprises to use a skid steer equipped with a forklift attachment to remove the MilVan (Figure 39) and the associated storage tank (Figure 40). Both the MilVan and the storage tank were transported to the S&R Enterprises scrapyard, the storage tank top was ripped open (Figure 41)

to render it unserviceable, and the MilVan and storage tank were stored until being shipped off island in December 2012 (see Attachment 1, DD Form-1348 #23 and #24).

The local power company, TDK Power, shut off the power to the unit at the junction box, allowing S&R Enterprises to pull the power box and cut the power line below the ground surface. The power lines were capped and taped. A Category 5 data cable was also detached and capped below the ground surface, along with the well pump power lines from the separator MilVan.

Once the oil-water unit was removed, the nine incoming and outgoing pipes from the crawl space below the separator unit were capped (Figure 42). Once the lines were capped, S&R Enterprises filled in the crawl space with fill material (Figure 43) to protect the lines and the public from falling or tripping on the exposed footing that supported the separator MilVan.



Figure 39. Removal of the MilVan



Figure 40. Removal of the Storage Tank



Figure 41. Ripped Storage Tank



Figure 42. Capped Incoming/Outgoing Pipes



Figure 43. Crawl Space Filled with Backfill

2.17 Task 17: Drums, Pesticide Storage Area

Equipment used: Dump truck

Twenty-four empty 55-gallon drums were removed (Figure 44) and crushed (Figure 45) to prevent future use (see Attachment 1, DD Form-1348 #5); these drums were transported off island as scrap in December 2012.



Figure 44. Crushing of Drums



Figure 45. Drums Removed

2.18 Task 18: Trailers Three Each, Magazine Storage Area

Equipment used: Service truck

Using the service truck and cutting torch, S&R Enterprises removed the storage tanks and black boxes from the two white trailers (Figure 46), and pulled them into the Battelle storage bunker. All external components were removed (Figure 47) and the trailer beds configured to be used for hauling. One of the trailers, VIN #1J9SU101561287340, with job box and charge controller, serial #733980, was transferred to John Highstone (see Attachment 1, DD Form-1348 #1 & #2). The other trailer was maintained on island at the Battelle storage bunker for hauling.

A handmade trailer, the closest trailer pictured in Figure 46, was transferred to S&R Enterprises (see Attachment 1, DD Form-1348 #9), moved to the scrapyards, and ultimately transported off island as scrap in December 2012.



Figure 46. Removal of Storage Tanks and Black Boxes from White Trailers



Figure 47. Removal of External Components

2.19 Task 19: Drums in Bunker, Magazine Storage Area

Equipment used: Service truck

Nine drums and one roll of plastic were found in the bunker with the broken door. One of the drums was removed and placed in the Battelle bunker for future use, and the other eight (Figure 48) were removed (Figure 49) from the building and crushed to prevent future use (see Attachment 1, DD Form-1348 #6); these crushed drums were transported off island as scrap in December 2012.



Figure 48. Nine Drums



Figure 49. Nine Drums Removed

2.20 Task 20: Sacks of Sand/Dirt, Outside of the ROICC Building

Equipment used: Excavator, dump truck, and flatbed trailer

S&R Enterprises used the excavator to remove and empty all super sacks of sand and soil that were piled up outside of the ROICC building (Figure 50). The contents were emptied on site (Figure 51) and the empty bags were loaded into the dump truck and taken to the S&R Enterprises scrapyard and burned.



Figure 50. Super Sacks Outside the ROICC Building



Figure 51. Removal of Super Sacks

2.21 Task 21: Sacks of Sand/Dirt, on Contractor Pad

Equipment used: Excavator, dump truck, and flatbed trailer

S&R Enterprises used the excavator to remove and empty all super sacks of sand and soil that were found on the contractor pad (Figure 52). The contents were emptied on site and the empty bags were loaded into the dump truck and taken to the S&R Enterprises scrapyard and burned.



Figure 52. Removal of Super Sacks from Contractor Pad

2.22 Task 22: Silva-Fiber (Thought to be Hay), on Contractor Pad

Equipment used: Excavator, dump truck, and flatbed trailer

Using an excavator, all Silva-Fiber was collected and transported (Figures 53 and 54) to the S&R Enterprises scrapyard and burned.



Figure 53. Collection of Silva-Fiber



Figure 54. Transportation of Silva-Fiber

2.23 Task 23: Navy Equipment, NMCB Building

Equipment used: Dump truck, service truck, generator with work lights, and pickup truck

Two rooms in the NMCB building contained equipment stored by a Navy contractor. One room was laid out as a work room and full of service equipment, electrical parts, multiple shelves of nuts, bolts, parts, clamps, empty boxes, and other non-Navy contractor items. All of these items were consolidated and stored on one shelf, with the exception of the empty boxes, which were consolidated outside of the room and stacked along the wall. There were also many coolers, pumps, and 5-gallon jugs; these items were consolidated into one corner of the room and stacked on the cleaned out shelves. The well pumps were collected and taken to the S&R Enterprises scrapyards. Items transferred to S&R Enterprises by DD Form-1348 (Figure 56; see Attachment 1, #10, #11, #12, #13 and #14) included:

- Three Scavengers – SkyDyne Well Pumps Serial #96-C5315, #96-07259, #96-06317
- Two GRUNDFOS Monitors – Serial #00660 & #00662

Pumps and other material from the work room were ultimately transported off island as scrap in December 2012.

The second room was a store room with shelves all around the walls. Almost all of the items in this room could be considered Navy contractor equipment. Items moved from the store room to the work room and stored for disposition (Figure 55) included:

- Boxes of Tyvek®
- Cooler full of compressed gas bottles
- Several large compressed gas bottles
- Pint bottles of unidentified liquid
- Gallon jugs of unidentified liquid
- 1 × 15-gal Bucket: Unidentified liquid
- 7 × 5-gal Buckets: Pellet bentonite
- 3 × 5-gal Buckets: NW Well 110
- 3 × 5-gal Buckets: Blue jugs with unidentified liquid
- 1 × 5-gal Bucket: 20/40 Sand
- 1 × 5-gal Bucket: NW Well 310
- Five bags of Absorbent W

These materials were addressed during the May 2013 waste disposal activities. Containers holding liquids or gases were assessed and characterized by Emerald Alaska, and were removed from the island and disposed at appropriate disposal facilities (see Attachment 6).



Figure 55. Work Room Storage



Figure 56. Storage Items Transferred to Scrapyard

Section 3.0: CONCLUSIONS

Five oil water separators and storage tanks were included in the assigned scope as Tasks 1, 2, 3, 13, and 16. Of these, only Task 13, the plastic oil water separator and storage tank located at the airfield, was completed in its entirety. Tasks 1, 2, 3, and 16 were completed as directed by this tasking, but the concrete footings and crawl spaces that supported the MilVans still remain in place. The crawl spaces and footings were filled in and leveled with fill material, but the concrete and the incoming and outgoing well pump pipes still remain; the removal of the concrete and pipes will need to be addressed in a separate task if the Navy wishes them to be removed.

All consolidated debris generated during the cleanup actions described in this report was removed from the island and shipped to the S&R Enterprises recycling center in December 2012. This action was validated on subsequent trips to Former Naval Air Facility Adak.

A total of 84 drums, pales, and buckets were identified in executing the cleanup tasks described herein. These containers were tested at five different locations: 1) contractor pad shed #1 (15 drums); 2) contractor pad shed #2 (21 drums); 3) contractor pad MilVan (21 drums); 4) ROICC building (25 drums); 5) contractor pad (two drums). Of the 84 drums, 51 drums were consolidated into contractor pad Shed #1.

Table 2 identifies the preliminary findings from Emerald Alaska related to the various containers, the location tested, and the tagged number of the drums.

In May 2013, the containers of waste material summarized in Table 2 were repackaged by Emerald Alaska, as necessary, for shipment and disposal. In addition, other chemical materials identified or otherwise consolidated in the NMCB work room/store room were characterized and prepared for shipment and disposal by Emerald Alaska, along with some incidental debris. All containers holding chemical waste, along with the incidental debris, were shipped by barge to the Emerald Alaska Viking facility in Anchorage, Alaska. At the Viking facility, certain wastes were disposed, while other wastes were routed for final transportation to and disposal at permitted waste disposal facilities in Grand View, Idaho, La Porte, Texas, and Tacoma, Washington.

Table 2. Drum Information

Original Location	Size	Drum ID Number	Suspected Contents from On-site Testing	Repacking Required
Contractor Shed #1	55 gal	1	Gas/Diesel/Vermiculite	Yes
	55 gal	2	Dirt/Fuel/Oil	Yes
	85 gal	3	Masons Lime	Yes
	55 gal	4	Contaminated rags from automotive servicing	Yes
	55 gal	5	Alkaline degreaser	Yes
	55 gal	6	Fuel contaminated absorbents	Yes
	5 gal	7	Hydraulic oil.	No
	55 gal	8	Fuel contaminated absorbents	Yes
	55 gal	9	Crushed fuel and oil filters	Yes
	55 gal	10	Crushed oil filters	No
	55 gal	11	Suspected bentonite clay	No
	5 gal	12	POL water	No
	5 gal	13	Alkaline cleaner	No
	5 gal	14	POL Water	No
	5 gal	15	Alkaline cleaner	No
Contractor Shed #2	5 gal	16	Epoxy	No
	5 gal	17	Adhesive/additive	Yes
	5 gal	18	POL water	Yes
	5 gal	19	Oil	Yes
	5 gal	20	POL water	Yes
	5 gal	21	EP grease	No
	5 gal	22	POL water	Yes
	2 gal	23	POL water	Yes
	30 gal	24	Ultra duty grease and water	Yes
	30 gal	25	Solvent	Yes
	55 gal	26	Ultra duty grease and water	Yes
	5 gal	27	POL water	Yes
	5 gal	28	POL water	No
MilVan	55 gal	31	Aqua Resin cure	Yes
	55 gal	32	Aqua Resin cure	Yes
	55 gal	33	Concrete admixture MB-VR	No
	55 gal	34	Aqua Resin cure	Yes
	55 gal	35	Concrete admixture Pozzoloth 322-N	No
	55 gal	36	Aqua Resin cure	Yes
	55 gal	37	Concrete admixture MB-VR	No
	55 gal	38	Concrete admixture MB-VR	No
	55 gal	39	Concrete admixture Pozzoloth 322-N	No
	55 gal	40	Concrete admixture MB-VR	No
	55 gal	41	Concrete admixture RHEO Build 1000	No
	55 gal	42	Concrete admixture MB-VR	No
	55 gal	43	Aqua Resin cure	Yes
	55 gal	44	Aqua Resin cure	Yes
	55 gal	45	Aqua Resin cure	Yes
	55 gal	46	Aqua Resin cure	Yes
	55 gal	47	Concrete admixture MB-VR	No
	55 gal	48	Concrete admixture MB-VR	No
	55 gal	49	Aqua Resin cure	Yes
	5 gal	50	Concrete admixture	No
5 gal	51	Mortar resin	Yes	
ROICC Building	55 gal	75	POL water	Yes
	55 gal	76	POL water	Yes

Attachment 1. Completed DD Form 1348

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0																				
1. TOTAL PRICE										2. SHIP FROM										3. SHIP TO																																							
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DOLLARS/CTS										4. MARK FOR										Transfer																																							
5. DOD DATE										6. NMFC										7. FRT RATE										8. TYPE CARGO										9. FS																			
11/4/2012																																																											
10. QTY RECEIVED										11. UP										12. UNIT WEIGHT										13. UNIT CUBE										14. UFC										15. SL									
16. FREIGHT CLASSIFICATION																																																											
17. NOMENCLATURE																																																											
Job Box w/Charge Controller																																																											
16. TYPE CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE																													
22. RECEIVED BY																														23. GATE																													

DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE RECEIPT

24. DOCUMENT NUMBER & DATE (DD-MM-YY)

25. NATIONAL ID NO. (1-4)

26. BR (4-9)

27. PD (1-9)

28. CD (1-9)

29. DT (1-9)

30. MP (1-9)

31. ADDITIONAL DATA

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0

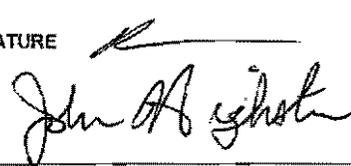
733980

733980

Transfer 1 EA Job Box w/Charge Controller -

DISP QTY UI NOMENCLATURE UNIT PRICE

Transfer of equipment to John Highstone.

SIGNATURE  AND DATE 11/4/12

11/4/12

Point of Contact Ray Peek

TELEPHONE 210-557-1793

PREVIOUS EDITION MAY BE USED

PERFORM (DCA)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40																																																																																
D I R M U I QUANTITY										S SUPPL- E MENTARY R ADDRESS										S I G U N D										F B U Y I O N										D I S T R I B U T I O N										P R O C E S S I N G										R E C L A M A T I O N										A C T I V I T Y										O C C U P A T I O N										1. TOTAL PRICE										2. SHIP FROM										3. SHIP TO									
16										EA										1										23										0																																								DOLLARS/CTS										Adak, AK										S & R Enterprise																			

5. DOC DATE										6. NMFC										7. FRT RATE										8. TYPE CARGO										9. PS																			
11/4/2012																														Transfer																													
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16. FREIGHT CLASSIFICATION																																																											
17. NOMENCLATURE																																																											
																														MilVan Empty																													
18. TYPE CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE																													
22. RECEIVED BY																														23. DATE																													

0
0
262253
262253

Transfer	1	EA	MilVan Empty	-
DISP	QTY	UI	NOMENCLATURE	UNIT PRICE

"I certify that the item or items listed hereon have been inspected by me and to the best of my knowledge and belief contain no items of dangerous material". 1ea red MilVan ID# 262253 has been removed from contractor pad moved to S & R Enterprise's scrap yard and crushed to render unserviceable.

SIGNATURE  AND DATE 11/5/12

Point of Contact Ray Peek
TELEPHONE 210-557-1793

DD FORM 1348-1A, JUL 91 (E) ISSUED RELEASE RECEIPT

PREVIOUS EDITION MAY BE USED

FORM 1348-1A

DD FORM 1348-1A, JUL 91 (EO) ISSUE RELEASE/RECEIPT

27. ADDITIONAL DATA

24. DOCUMENT NUMBER
4. SUFFIX (0-9)

25. UNIT/STATION
5. QUANTITY
6. DATE (MM/YY)

26. ISS (4-9)
UNIT (3-4)
CONTRACT (0-9)
DISTRICT (0-9)
UNIT (0-9)

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1. TOTAL PRICE										2. SHIP FROM										3. SHIP TO																																							
DOLLARS/CTS										Adak, AK										S & R Enterprise																																							
4. MARK FOR										Transfer																																																	
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11/4/2012																																																											
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16. FREIGHT CLASSIFICATION																																																											
17. NOMENCLATURE										Storage Tank																																																	
18. TYPE CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE																													
22. RECEIVED BY																				23. DATE																																							
FUND SITE																																																											

0
0
303 AST
303 AST

Transfer	1	EA	Storage Tank	-
DISP	QTY	UI	NOMENCLATURE	UNIT PRICE

"I certify that the item or items listed hereon have been inspected by me and to the best of my knowledge and belief contain no items of dangerous material". 1ea Storage Tank associated with Connex ID# 00303 has been to S & R Enterprise's scrap yard, the top ripped and cut to eliminate future use, and stored for shipment off island in December.

SIGNATURE  AND DATE 11/5/12

Point of Contact Ray Peek
TELEPHONE 210-557-1793

PREVIOUS EDITION MAY BE USED

DD FORM 1348-1A, JUL 91 (EO) ISSUE RELEASE RECEIPT
 24. DOCUMENT NUMBER
 25. STOCK NO. A
 26. ISC (1-6)
 M (0-3-6)
 27. ADDITIONAL DATA
 28. CONTROL CODE (1-4)
 29. CONTROL CODE (1-4)
 30. (1-6)
 31. (1-6)

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1. TOTAL PRICE										2. SHIP FROM										3. SHIP TO																			
UNIT PRICE										DOLLARS/CTS										Adak, AK																			
DOLLARS/CTS										S & R Enterprise																													
24										EA										1																			
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5. DOC DATE					6. NWFC					7. FRT RATE					8. TYPE CARGO					9. PS																			
11/4/2012																																							
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15. FREIGHT CLASSIFICATION																																							
17. NOMENCLATURE																																							
Storage Tank																																							
18. TYPE CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE									
22. RECEIVED BY															23. DATE																								

0
 0
 107 AST
 107 AST

Transfer	1	EA	Storage Tank	-
DISP	QTY	UI	NOMENCLATURE	UNIT PRICE

"I certify that the item or items listed hereon have been inspected by me and to the best of my knowledge and belief contain no items of dangerous material". 1ea Storage Tank associated with Connex ID# 00107 has been to S & R Enterprise's scrap yard, the top ripped and cut to eliminate future use, and stored for shipment off island in December.

SIGNATURE  AND DATE 11/5/12

Point of Contact Ray Peek
 TELEPHONE 210-557-1793

PREVIOUS EDITION MAY BE USED

FORM (DLA)

1. TOTAL PRICE	2. SHIP FROM		3. SHIP TO	
DOLLARS/CTS	Adak, AK		S & R Enterprise	
UNIT PRICE	4. MARK FOR			
DOLLARS/CTS	Transfer			
25	EA	1		
23	n:	0		
5. DOC DATE	6. NMFC	7. PRT RATE	8. TYPE CARGO	9. PS
11/4/2012			Transfer	
10. QTY RECEIVED	11. UP	12. UNIT WEIGHT	13. UNIT CUBE	14. UFC
15. FREIGHT CLASSIFICATION				
16. NOMENCLATURE				
Oil Water Separator				
17. RECEIVED BY	18. NO CONT	19. NO CONT	20. TOTAL WEIGHT	21. TOTAL CUBE
22. RECEIVED BY	23. DATE			
FUND SITE				
Transfer	1	EA	Oil Water Separator	-
DISP	QTY	UI	NOMENCLATURE	UNIT PRICE

01 Airfield Separator

01 Airfield Separator

I certify that the item or items listed hereon have been inspected by me and to the best of my knowledge and belief contain no items of dangerous material". 1ea Oil Water Separator Plastic Container ID# 01 Airfield has been to S & R Enterprise's scrap yard and crushed to prevent future use.

SIGNATURE 

AND DATE 11/5/12

Point of Contact Ray Peak
TELEPHONE 210-557-1793

DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE/RECEIPT

24. DOCUMENT NUMBER & SUFFIX (DDA)
25. UNIT/AVAIL
26. (IC) (45)
27. (EP) (45)
28. (C) (45)
29. (R) (45)
30. (S) (45)
31. (T) (45)

PREVIOUS EDITION MAY BE USED

FORM (DDA)

Attachment 2. Shed 1 Sample Logs

Shed #1

1x 85DM Mason's lime

1x 55DM - Fuel contaminated vermiculite

1x 55DM - Fuel/oil contaminated Dirt/sol.

1x 55DF - Dried Bentonite clay.

1x 5DF - Hydraulic oil.

2x 5DF - POL Water

2x 55DM - uncrushed oil/fuel filters

1x 55DF - Alkaline Cleaner/Degreaser

2x 5DF - Alkaline Cleaner/Detergent

3x 55DM - ABSorbent Pads / Rags



Drum Log

Date: 10-29-12

Technician: John E. Perez

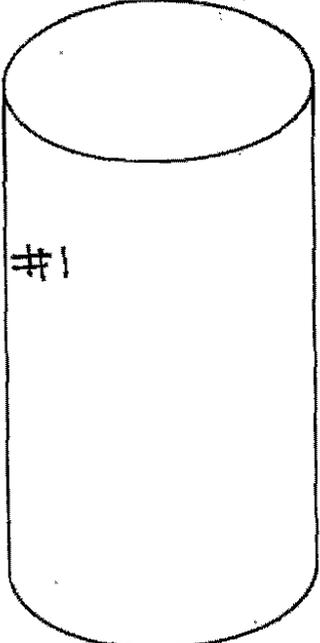
Drum ID: #1

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

- Oil _____
- Fuel (note if gasoline) 5gal
- Water _____
- Dirt/Soil _____
- Solid Sludge _____
- Slurry Sludge _____

Constituents in GALLONS

- Antifreeze _____
 - Oil Filters _____
 - Absorbents/PPE/Debris _____
 - Grease _____
 - Other Vermiculite 30gal
- (Explain below)

Describe:

Odor: Fuel, Gas/Diesel mix

Color: Wet, Brown Sparkles.

Viscosity: High Medium Low

Notes: Drum is 1/3 full of Vermiculite that has been contaminated with fuel. Probably was a spill cleanup at one time. Drum is in poor condition and Rusted through.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty/NOT Shippable

Drum Type: OT (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal 55-gal (Circle One) 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Gasket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-29-12

Technician: John E. Perez

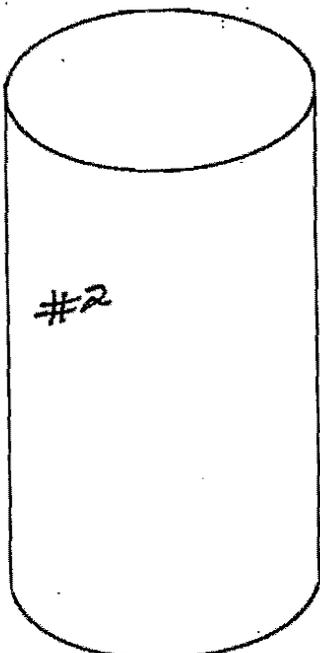
Drum ID: #2

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS	
Oil	<u>5gal</u>
Fuel (note if gasoline)	<u>5gal</u>
Water	_____
Dirt/Soil	<u>20gal</u>
Solid Sludge	_____
Slurry Sludge	_____

Constituents in GALLONS	
Antifreeze	_____
Oil Filters	_____
Absorbents/PPE/Debris	_____
Grease	_____
Other	_____

(Explain below)

Describe:
 Odor: Oil
 Color: Brown, Dark
 Viscosity: High Medium Low
 Notes: Drum is 1/2 full of Dirt that has been contaminated with oil & fuel. Most likely from a spill. Drum also contains small amounts of debris. There is no free flowing liquids. Drum is in poor condition. Needs overpack. Rusty.

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, Not Shippable
 (Circle One)

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: ~~10-29-12~~ 10-29-12

Technician: John E. Perry

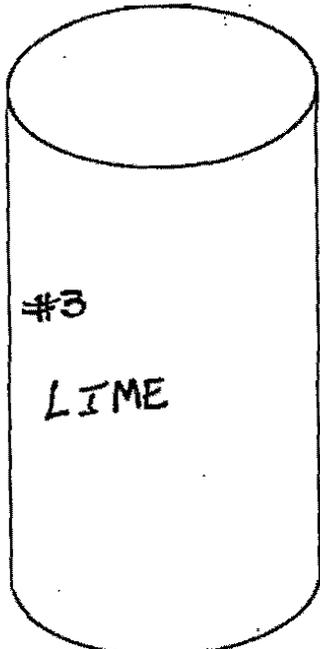
Drum ID: #3

Job #: AK19165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

- Oil
- Fuel (note if gasoline)
- Water
- Dirt/Soil
- Solid Sludge
- Slurry Sludge

Constituents in GALLONS

- Antifreeze
- Oil Filters
- Absorbents/PPE/Debris
- Grease
- Other 10 gal - Masons Lime
(Explain below)

Describe:

Odor: NA

Color: White powder

Viscosity: High Medium Low

Notes: Drum contains one 50 lb Bag of (Miracle, Mocha-Lok), this is the Brand name for Masons Lime. The Bag is inside of a waste bag for Asbestos and is in a 85 gallon overpack that is Not Shippable Drum is Rusted and the lid is destroyed. //

Drum Also says lime right on the side

Also have MSDS for Product

- Based on a 55-gallon drum
- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty Bad lid, Not Shippable

Drum Type: OT B/T Steel Poly

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No

Basket/Ring Replaced: Yes No Bung Replaced: Yes No



Drum Log

Date: 10-29-12

Technician: John F. Perez

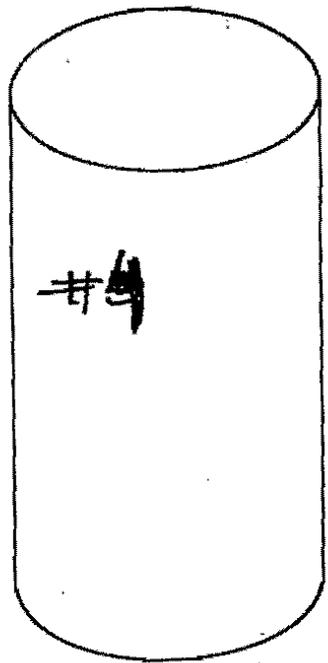
Drum ID: #4

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: PASS
(Pass / Fail)



Constituents in GALLONS

Oil: 5gal

Fuel (note if gasoline): 5gal

Water: _____

Dirt/Soil: _____

Solid Sludge: _____

Slurry Sludge: _____

Constituents in GALLONS

Antifreeze: 5gal

Oil Filters: _____

Absorbents/PPE/Debris: 20gal

Grease: _____

Other: _____

(Explain below)

Describe:

Odor: NA

Color: Dark, Dirty

Viscosity: High Medium Low

Notes: Drum is 1/2 full of contaminated Rags. Probably from Automotive Servicing. There are no free liquids. Rags & small debris are inside of a Johnnicks Tire Service waste bag. Drum is in poor condition. Rusty and the lid has been cut open.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

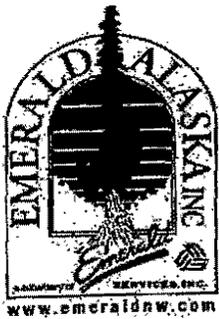
Drum Condition: Shippable Bad Notes: Rusty lid destroyed/Not shippable

Drum Type: O/T B/T Steel Poly

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No



Drum Log

Date: 10-29-12

Technician: John E. Perez

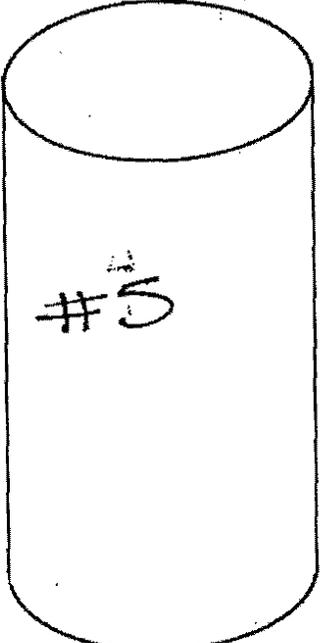
Drum ID: #5

Job #: AK18165

PT / Manifest #: _____

Job Name: S & B Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other Alkaline degreaser 55gal
(Explain below)

Describe:

Odor: Smells like window

Color: light blue / clear

Viscosity: High Medium Low

Notes: Drum is full of (H.D.D. - Engine and Machinery Degreaser) This product is Alkaline with a pH of 13+ acidic enough the drum is metal. Drum is in poor condition. Rusty and MISSING Bungs.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

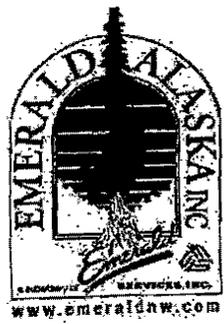
Drum Condition: Shippable Bad Notes: Rusty, missing Bungs / NOT Shippable
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: D-10-29-12

Technician: John E. Perez

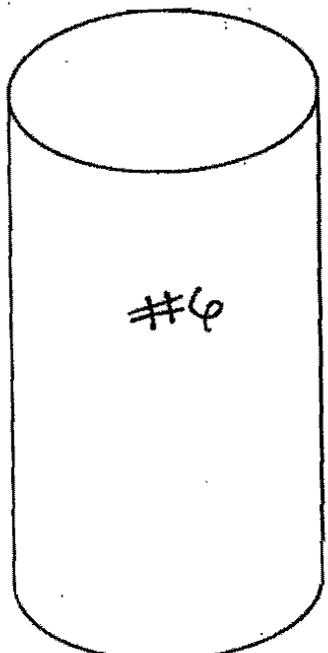
Drum ID: #6

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 5 gal

Fuel (note if gasoline): 5 gal

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris: 40 gal

Grease _____

Other _____

(Explain below)

Describe:

Odor: Oil

Color: Black, Brown, White

Viscosity: High Medium Low

Notes: Drum is full of contaminated absorbents with no free liquids. Drum also has a tiny amount of dirt/trash and other debris. Drum is in poor condition. Rusty and the lid is completely disintegrated on it.

Based on a 55-gallon drum

2% = 1.2 gallons

3% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

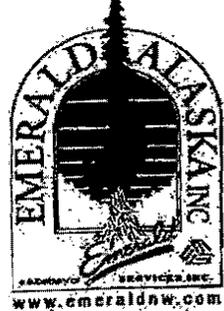
Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Lid destroyed/NOT shippable.

Drum Type: O/T (Circle One) B/T _____ Steel (Circle One) Poly _____

Drum Size: 85-gal _____ 55-gal (Circle One) 30-gal _____ 15-gal _____ 10-gal _____ 5-gal _____

Overpack Required: Yes (Circle One) No _____

Gasket/Ring Replaced: Yes (Circle One) No _____ Bung Replaced: Yes (Circle One) No _____



Drum Log

Date: 10-29-12

Technician: John E. Perez

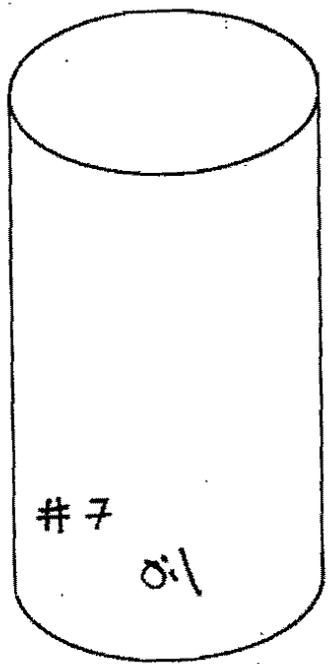
Drum ID: #7

Job #: AK19165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 1/gal

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: Oil

Color: Clear, yellow tint

Viscosity: High Medium Low

Notes: Drum is near empty. Contains less than 1 gallon of clear hydraulic oil. No other constituents. Drum is in good condition.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

Drum Condition: Shippable (Circle One) Bad Notes: _____

Drum Type: O/T (Circle One) B/T (Circle One) Steel Poly (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal (Circle One)

Overpack Required: Yes No (Circle One)

Basket/Ring Replaced: Yes No (Circle One) Bung Replaced: Yes No (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

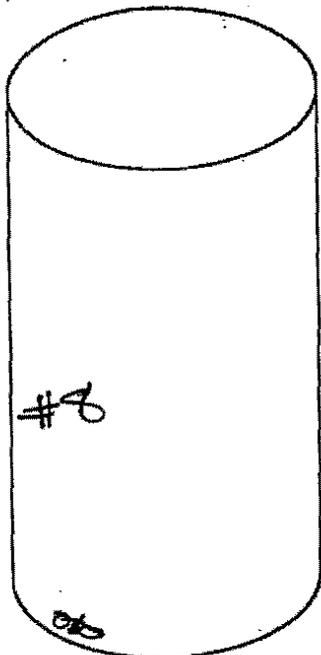
Drum ID: #8

Job #: AKR165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 1gal

Fuel (note if gasoline): 1gal

Water: 2gal

Dirt/Soil: _____

Solid Sludge: _____

Slurry Sludge: _____

Constituents in GALLONS

Antifreeze: 1gal

Oil Filters: 1

Absorbents/PPE/Debris: 25gal

Grease: _____

Other: _____

(Explain below)

Describe:

Odor: Oil

Color: Dark Dirty

Viscosity: High Medium Low

Notes: Drum is 1/2 full of contaminated absorbent. Drum has small hole that is leaking water from the bottom. Drum is in poor condition. Rusty. Lid destroyed. Holes on bottom.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, lid destroyed, hole on bottom. NOT Shippable.

Drum Type: O/T B/T Steel Poly

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No



Drum Log

Date: 10-29-12

Technician: John E. Perez

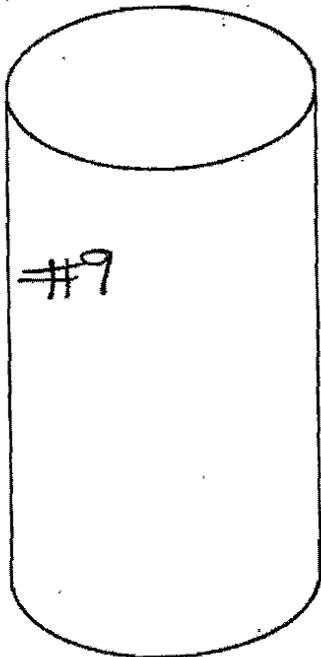
Drum ID: #9

Job #: AKR65

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters 27.5 Gallons
 Absorbents/PPE/Debris _____
 Grease _____
 Other _____
 (Explain below)

Describe:

Odor: Fuel/Oil
 Color: NA
 Viscosity: High Medium Low
 Notes: Drum is 1/2 full of used, uncrushed oil & fuel filters. No other constituents. Drum is in poor condition. Rusted through.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

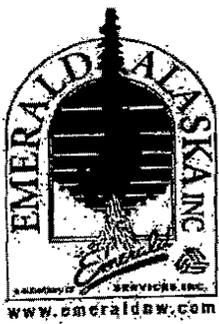
Drum Condition: Shippable Bad Notes: Rusty NOT Shippable.
 (Circle One)

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

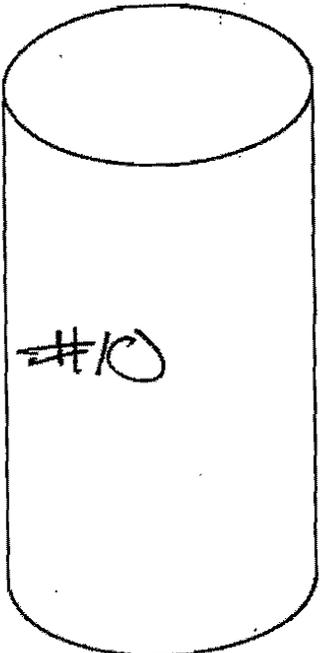
Drum ID: # 10

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 5 gal

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters: 50 gal

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: Oil

Color: NA

Viscosity: High Medium Low

Notes: Drum is full of used, uncrushed oil filters. No other constituents. Drum is in ok condition. Needs a new lid.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

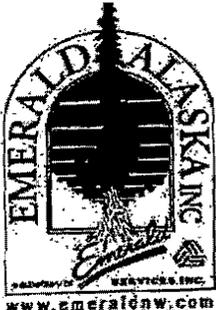
Drum Condition: Shippable Bad Notes: Needs New lid
(Circle One)

Drum Type: OT B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

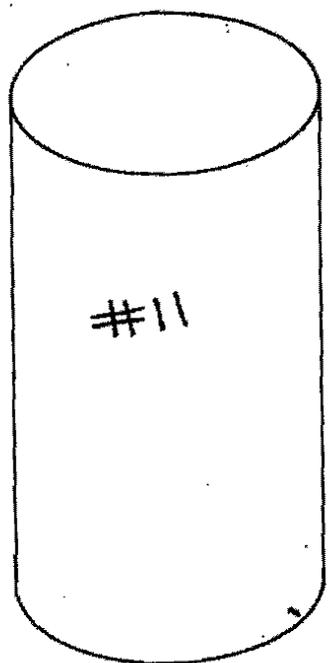
Drum ID: #11

Job #: AKRIG5

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other Powders 35gal.
(Explain below)

Describe:

Odor: NA

Color: Grey

Viscosity: High Medium Low

Notes: Drum is 2/3 full of a powder that looks like it had been wet and dried. I suspect bentonite clay as there is a lot of other containers of it around here. Almost has the consistency of clay. Drum is in good condition. Needs new lid.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Needs New lid.
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

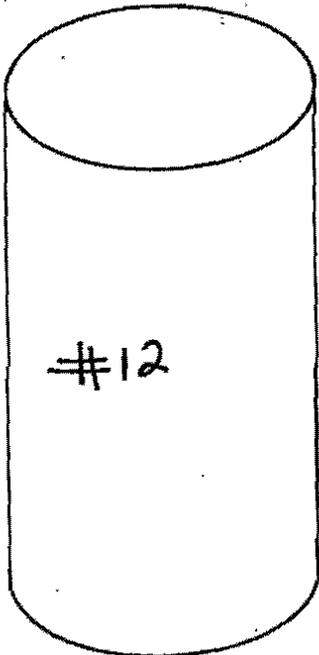
Drum ID: #12

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 1 gal

Fuel (note if gasoline) _____

Water: 4 gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: NA

Color: Clear

Viscosity: High Medium Low

Notes: Drum is full of oily water, it is containing some floating debris/leaves ect. No other constituents. Drum is in poor condition and has no lid.

Based on a 55-gallon drum

2% = 1.2 gallons

3% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: _____
(Circle One)

Drum Type: O/T B/T Steel Poly _____
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal _____
(Circle One)

Overpack Required: Yes No _____
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No _____
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

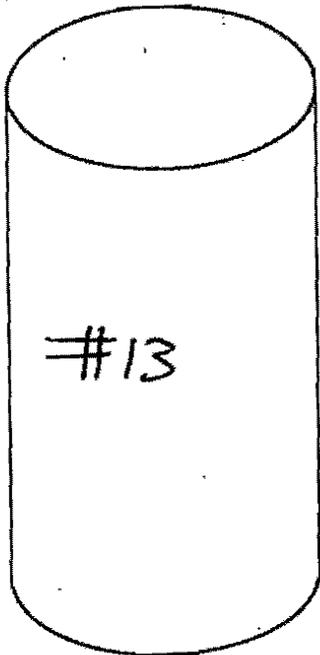
Drum ID: #13

Job #: AK1816S

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Alkaline Cleaner, Spal
 (Explain below)

Describe:

Odor: NA
 Color: Clear
 Viscosity: High Medium Low
 Notes: Drum is full of an Alkaline cleaner with a PH of >13+. Drum is unopened. Product is called Betz Dearborn TR81160. Drum is in great condition. No other constituents.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 3% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

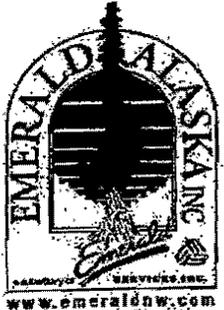
Drum Condition: Shippable Bad Notes:
 (Circle One)

Drum Type: O/T B/P Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-29-17

Technician: John E. Perez

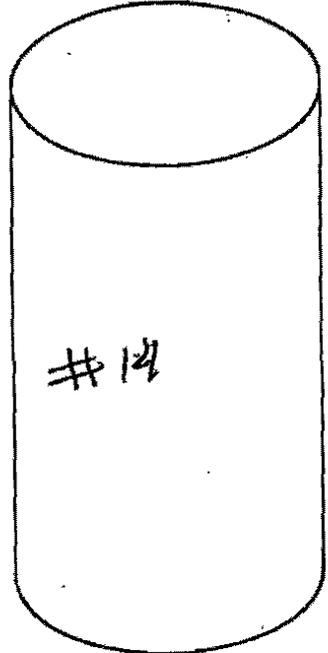
Drum ID: #14

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 1 gal

Fuel (note if gasoline) _____

Water: 3 gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: POL water

Color: Dark/Clear

Viscosity: High Medium Low

Notes: Drum is 1/3 full of POL water. No other constituents. Drum is in good condition. Needs a new lid.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable (Circle One) Bad Notes: Needs a new lid,

Drum Type: OT (Circle One) BT (Circle One) Steel Poly (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal (Circle One)

Overpack Required: Yes No (Circle One)

Basket/Ring Replaced: Yes (Circle One) ~~No~~ Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-29-12

Technician: John F. Perez

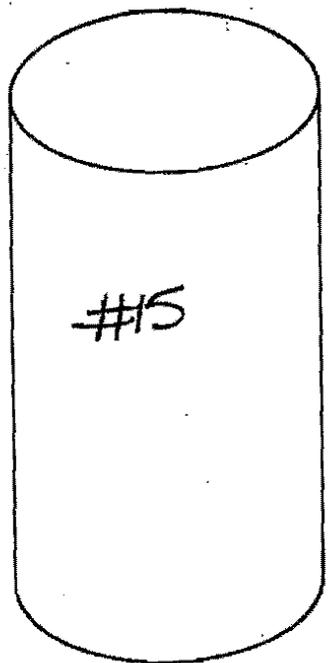
Drum ID: #15

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises.

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other Clear Ammonia 5 gal
(Explain below)

Describe:

Odor: Ammonia

Color: Black

Viscosity: High Medium Low

Notes: Drum is full of a slightly alkaline detergent the PH is 11.5. It looks like it is power washer fluid. Even has the horse label. Drum is in good condition

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: _____
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)

Attachment 3. Shed 2 Sample Logs

Shed #2

9x 2DM - Amine Based Epoxy

1x 5DF - non-Flam, non-corrosive milky adhesive/additive type substance.

3x 5DM - POL Water

2x 5DF - POL Water

1x 2 DF - Water, Oil, & Abs mixture.

1x 30DM - petroleum Grease/water

1x 55DM - petroleum Grease/water

1x 5DF - Petroleum Grease

1x 5DF - unused Turbine Oil

1x 30DM - Orange Solvent



Drum Log

Date: 10-29-12

Technician: John E. Perez

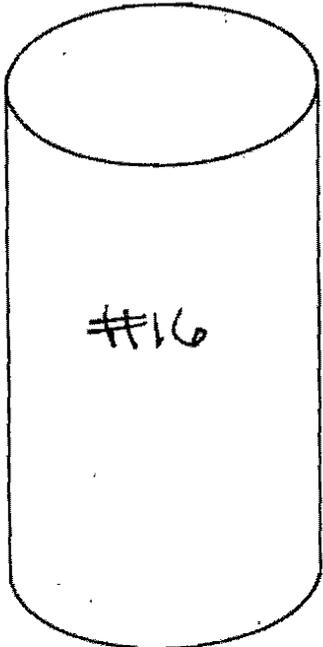
Drum ID: #16

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

- Oil _____
- Fuel (note if gasoline) _____
- Water _____
- Dir/Soil _____
- Solid Sludge _____
- Slurry Sludge _____

Constituents in GALLONS

- Antifreeze _____
- Oil Filters _____
- Absorbents/PPE/Debris _____
- Grease _____
- Other Ammine Epoxy 2gal
(Explain below)

Describe:

Odor: Epoxy

Color: NA

Viscosity: High Medium Low

Notes: Drum is full of (NordBack, Backing material) Product is unused and has a corrosive marker on it. It is an Epoxy for wear metal in crushers and grinding mills. There are 9 containers of this and they should be loosepacked. there are a total of 18 gallons.

- Based on a 55-gallon drum
- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Loosepack
(Circle One)

Drum Type: OT B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

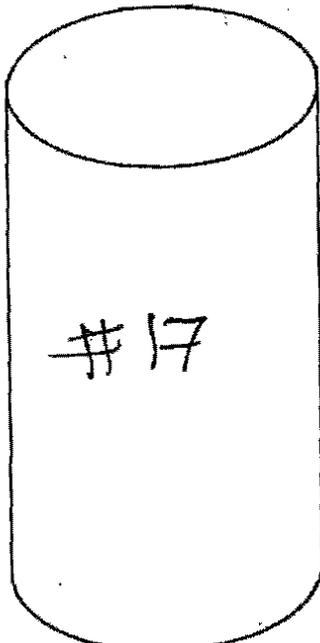
Drum ID: #17

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass.
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge 5gal

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other _____
 (Explain below)

Describe:

Odor: NA
 Color: Tan, white.
 Viscosity: High Medium Low

Notes: Drum is full of a milky substance that I suspect to be a non-veg Adhesive or additive of some sort the liquid is non-flam and non-corrosive. Drum is in bad condition. Not Shippable. Needs a new lid.

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

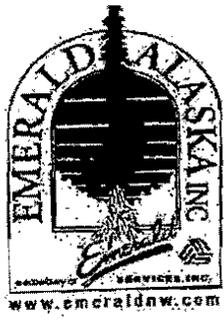
Drum Condition: Shippable Bad (Circle One) Notes: Old, Cracked, Needs lid Not Shippable

Drum Type: O/T (Circle One) B/T _____ Steel _____ Poly (Circle One)

Drum Size: 85-gal _____ 55-gal _____ 30-gal _____ 15-gal _____ 10-gal _____ 5-gal (Circle One)

Overpack Required: Yes (Circle One) No _____

Basket/Ring Replaced: Yes (Circle One) No _____ Bung Replaced: Yes (Circle One) No _____



Drum Log

Date: 10-29-12

Technician: John E. Perez

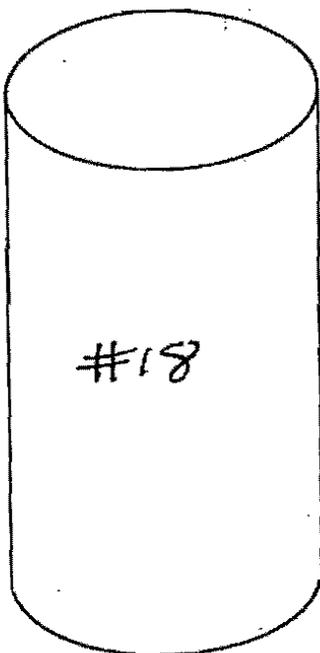
Drum ID: #18

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil 1gal

Fuel (note if gasoline) _____

Water 2gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease .5

Other _____

(Explain below)

Describe:

Odor: Oil

Color: Dark

Viscosity: High Medium Low

Notes: Drum is 1/3 full of a heavy weight oil and water. There may also be a small amount of grease. Drum is in poor condition. Needs over pack or a transfer.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Best, Rusted, No Lid.
(Circle One)

Drum Type: OT B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Wasket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: John E. Perez

Technician: John E. Perez

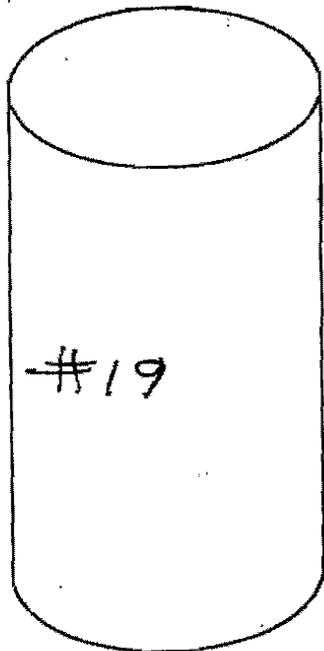
Drum ID: #19

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprizes

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil 3gal

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: Oil

Color: Red

Viscosity: High Medium Low

Notes: Drum is 1/2 full of unused oil. Bucket says Turbine oil. Drum is in good condition but needs a new lid. No other constituents.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 3% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad
(Circle One) Notes: Shippable but needs a new lid.

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

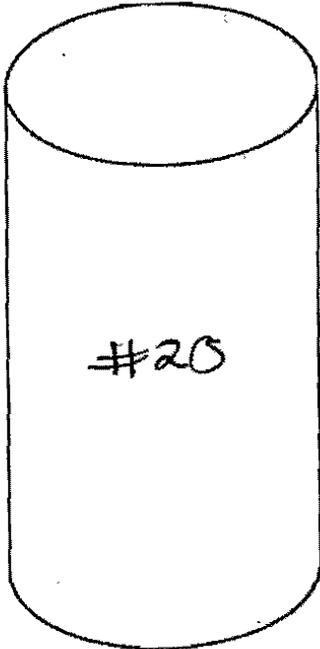
Drum ID: #20

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: PASS
(Pass / Fail)



Constituents in GALLONS

Oil .5 gal

Fuel (note if gasoline) _____

Water 1 gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: Oil

Color: NA

Viscosity: High Medium Low

Notes: Drum is near empty. Contains oily water. No other constituents. Drum is in poor condition. Rusty and has hole in the side.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty hole, NOT Shippable

Drum Type: O/T B/T (Circle One) Steel (Circle One) Poly

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal (Circle One)

Overpack Required: Yes (Circle One) No

Gasket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: ~~Drum~~ 10-29-12

Technician: John E. Perez

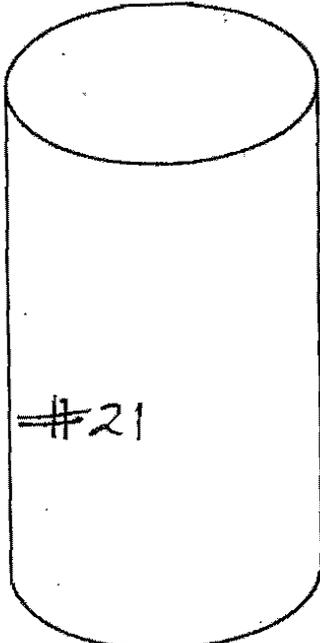
Drum ID: #21

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease 4 gal

Other _____

(Explain below)

Describe:

Odor: Petroleum

Color: Green

Viscosity: High Medium Low

Notes: Drum is near full of Chevron Polyurea EP Grease-2. NO other constituents. Drum is in good condition but needs a lid.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Shippable but needs a new lid.

(Circle One)

Drum Type: Oil B/T Steel Poly

(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal

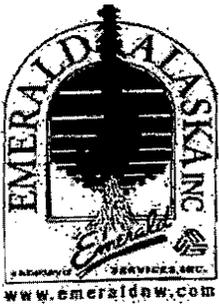
(Circle One)

Overpack Required: Yes No

(Circle One)

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No

(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E Perez

Drum ID: #22

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil 1 gal

Fuel (note if gasoline) _____

Water 3 gal

Dir/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease 1 gal

Other _____

(Explain below)

Describe:

Odor: Oil

Color: Clear with chunks of grease

Viscosity: High Medium Low

Notes: Drum is full of water with chunks of oil and grease floating in it. No other constituents. Drum is in poor condition. In a sulfuric acid container. No PH.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Needs lid. NOT a D.O.T. Container
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Wasket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

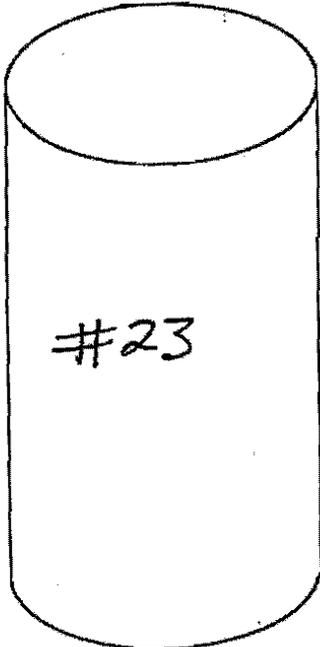
Drum ID: #23

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil .5 gal

Fuel (note if gasoline) _____

Water 1 gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris .5 gal

Grease _____

Other _____

(Explain below)

Describe:

Odor: 0:

Color: NA

Viscosity: High Medium Low

Notes: Drum is full of water that has oil and absorbents inside of it. No other constituents. Drum is in poor condition and needs a new lid.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Not shippable. Need a new lid.

Drum Type: OT B/T Steel Poly

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal 2gal

Overpack Required: Yes No

Basket/Ring Replaced: Yes No Bung Replaced: Yes No



Drum Log

Date: 10-29-12

Technician: John E. Perez

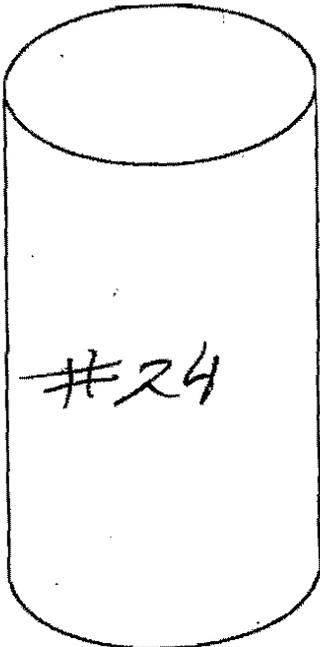
Drum ID: #24

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: PASS
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 1 gal.
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease 29 gal
 Other _____
 (Explain below)

Describe:

Odor: NA
 Color: Red
 Viscosity: High Medium Low

Notes: Drum is full of Chevron Ultra Dirty Grease. a small amount of water sits on top. Drum is in poor condition. Rusty, Smashed, & has no lid.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, smashed was no lid. Not shippable.

Drum Type: OT (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal 55-gal 30-gal (Circle One) 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Gasket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-29-17

Technician: John E. Perez

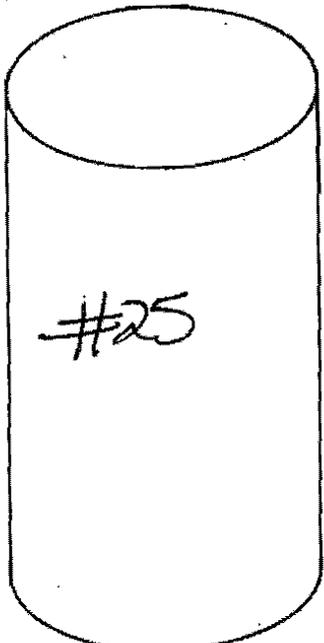
Drum ID: #25

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises 215

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

- Oil _____
- Fuel (note if gasoline) _____
- Water _____
- Dirt/Soil _____
- Solid Sludge _____
- Slurry Sludge _____

Constituents in GALLONS

- Antifreeze _____
- Oil Filters _____
- Absorbents/PPE/Debris _____
- Grease _____
- Other Solvent 15gal.
(Explain below)

Describe:

Odor: Orange-Sol

Color: Orange

Viscosity: High Medium Low

Notes: Drum is 1/2 full of an industrial solvent. The label calls it combustible. I suspect it to be orange-sol. No Halogens. Drum is in poor condition. Rusty, Dirty, No Bung.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

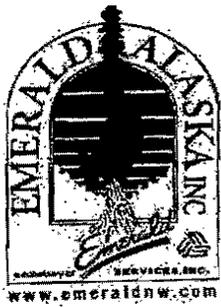
Drum Condition: Shippable Bag Notes: Not shippable, Rusty, Dirty, No Bung
(Circle One)

Drum Type: O/T B/I Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John F. Perez

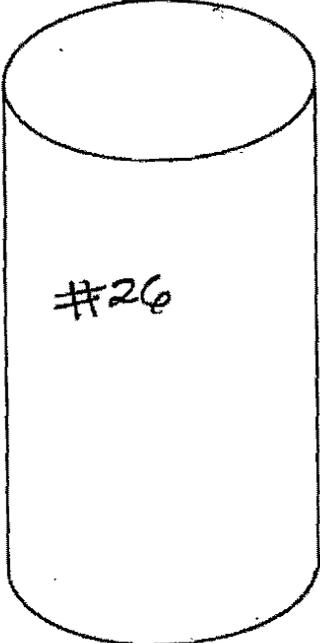
Drum ID: #26

Job #: AK1816

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 1gal _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease 15gal _____
 Other _____
 (Explain below)

Describe:

Odor: NA
 Color: Red
 Viscosity: High Medium Low

Notes: Drum is Near empty. Contains Chevron Ultra Duty grease and some water. No other constituents. Drum is in poor condition. Rusty with no lid.

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty. No lid. Not Shippable
 (Circle One)

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

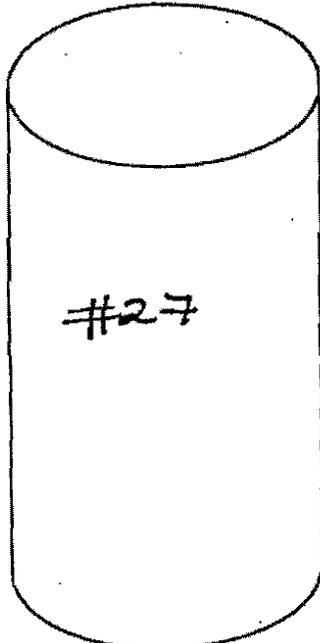
Drum ID: #27

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprizes

Chlor-d-ect: PASS
(Pass / Fail)



Constituents in GALLONS

Oil 1 gal

Fuel (note if gasoline) _____

Water 5 gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: NA

Color: Clear with Chunks

Viscosity: High Medium Low

Notes: Drum is full of water with a small amount of oil on top of it. there is also small amounts of Debris in sides Drum is in poor condition and needs a new lid.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

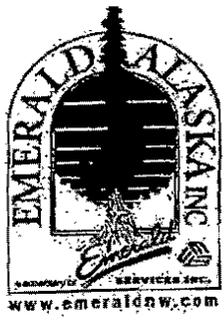
Drum Condition: Shippable Bad Notes: needs new lid, not cracks, overfilled. shippable
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

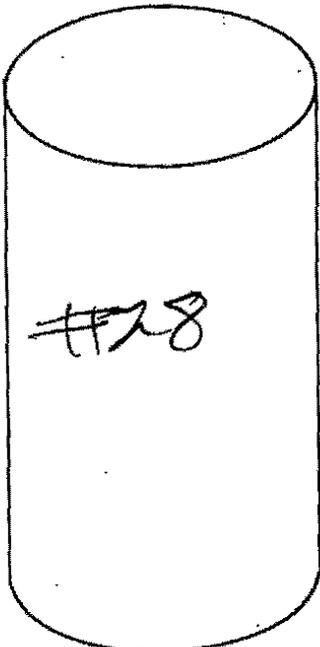
Drum ID: #28

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: PASS
(Pass / Fail)



Constituents in GALLONS

Oil 1gal

Fuel (note if gasoline) _____

Water 3gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: Oil

Color: Clear

Viscosity: High Medium Low

Notes: Drum is full of water mixed with a small amount of clean oil. No other constituents. Drum is in good condition.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes:
(Circle One)

Drum Type: OT BA Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)

Attachment 4. MilVan Sample Logs

Connex

1x5DF - Alkaline Based Concrete admixture.

1x5DF - Mortar Resin

1x5SDF - RHEO Build 1000. (Water Reducing Admixture.)

2x5SDF - POZZLITH 322-N (concrete admixture)

7x5SDF - MB-VR (concrete admixture)

9x5SDM - Aqua Resin Cure



Drum Log

Date: 10-29-12

Technician: John F. Perez

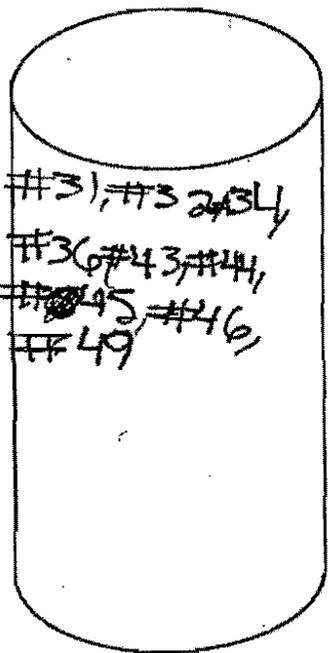
Drum ID: #31

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other Resin Cure 55gal
(Explain below)

Describe:

Odor: NA

Color: Nk

Viscosity: High Medium Low

Notes: Drum full and unopened of Aava Resin Cure. Manufacture Burke. No halogens. Drum in poor condition. Rusty & Bulged there are 9 drums like this. Needs more research.

Based on a 55-gallon drum

2% = 1.2 gallons

5% = 2.75 gallons

10% = 5.5 gallons

15% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

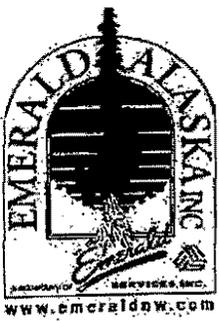
Drum Condition: Shippable Bad Notes: Rusty, Bulged, Not shippable.
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Wasket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-29-12

Technician: John E Perez

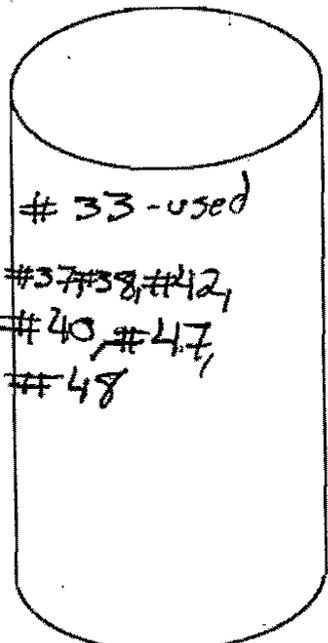
Drum ID: # 33

Job #: Ak18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



- Constituents in GALLONS**
- Oil _____
 - Fuel (note if gasoline) _____
 - Water _____
 - Dirt/Soil _____
 - Solid Sludge _____
 - Slurry Sludge _____

- Constituents in GALLONS**
- Antifreeze _____
 - Oil Filters _____
 - Absorbents/PPE/Debris _____
 - Grease _____
 - Other Concrete Addmixture
(Explain below) 55gal.

Describe:

Odor: NA Soap

Color: NA orange.

Viscosity: High Medium Low

Notes: Drum are full of a concrete Addmixture called MBAR. The manufacture of the product is: Master Builders Technologies. There are 7 of these drums. the drums are in excellent condition. 1 of these drums needs a new bung. All the rest are un-used, with the manufactures seal. Product is caustic, containing Sodium Hydroxide

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable (Circle One) Bad Notes: one needs new Bung (Coarse)

Drum Type: O/T (Circle One) B/I (Circle One) Steel (Circle One) Poly (Circle One)

Drum Size: 85-gal (Circle One) 55-gal (Circle One) 30-gal (Circle One) 15-gal (Circle One) 10-gal (Circle One) 5-gal (Circle One)

Overpack Required: Yes (Circle One) No (Circle One)

Masket/Ring Replaced: Yes (Circle One) No (Circle One) Bung Replaced: Yes (Circle One) No (Circle One)



Drum Log

Date: ~~10-29-12~~ 10-29-12

Technician: John E. Perez

Drum ID: # 35

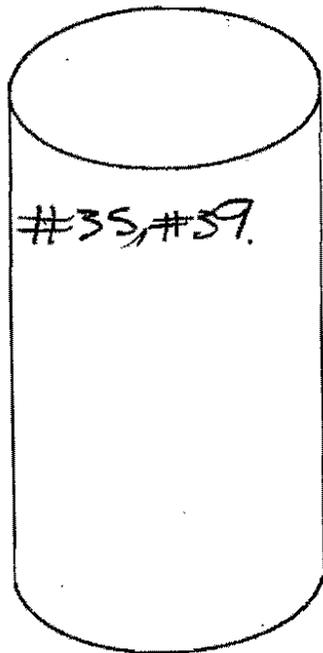
Job #: AKR1105

PT / Manifest #: _____

Job Name: S&R Enterprises.

Chlor-d-lect: Pass

(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Admixture for concrete
 (Explain below) 55gal

Describe:

Odor: _____
 Color: Brown
 Viscosity: High Medium Low _____
 Notes: Drum is full of product called POZZOLITH 322-N ARTME-494 Type A. Manufacture is Master Builders Technologies. There are 2 of these drums. They are in good condition, product is UN-used and sealed, UN-opened.

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 3% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

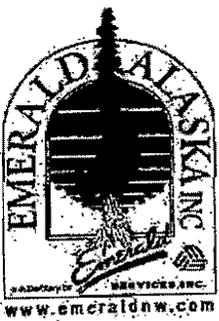
Drum Condition: Shippable (Circle One) Bad Notes: Sealed, Brand New Drums.

Drum Type: O/T (Circle One) B/T (Circle One) Steel (Circle One) Poly (Circle One)

Drum Size: 85-gal 55-gal (Circle One) 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No (Circle One)

Wicket/Ring Replaced: Yes (Circle One) No (Circle One) Bung Replaced: Yes (Circle One) No (Circle One)



Drum Log

Date: 10-29-12

Technician: John E. Perez

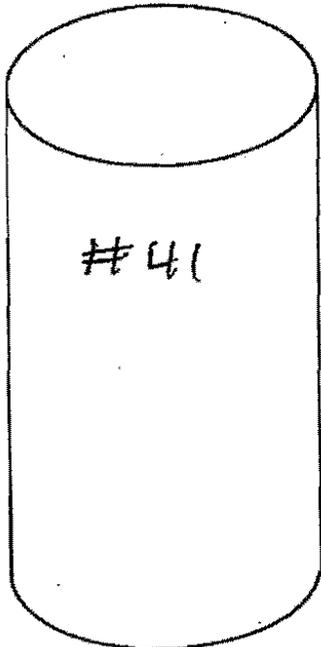
Drum ID: # 41

Job #: Ak18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass.
(Pass / Fail)



Constituents in GALLONS

- Oil
- Fuel (note if gasoline)
- Water
- Dirt/Soil
- Solid Sludge
- Slurry Sludge

Constituents in GALLONS

- Antifreeze
 - Oil Filters
 - Absorbents/PPE/Debris
 - Grease
 - Other
- (Explain below) water reducing admixture, 55 gal.

Describe:

Odor: Dirt

Color: Dark, Brownish

Viscosity: High Medium Low

Notes: Drum is full of a product called RHEO Build 1000. It is a high range, water reducing admixture (superplasticizer) to produce RHEO plastic concrete. ASTM C494 Type F. Product was un-used and un-opened. Drum in great condition. Manufacture is Master Builders Technologies.

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable (Circle One) Bad Notes: _____

Drum Type: O/T (Circle One) B/T (Circle One) Steel Poly (Circle One)

Drum Size: 85-gal 55-gal (Circle One) 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No (Circle One)

Basket/Ring Replaced: Yes No (Circle One) Bung Replaced: Yes No (Circle One)



Drum Log

Date: 10-29-12

Technician: John F. Perez

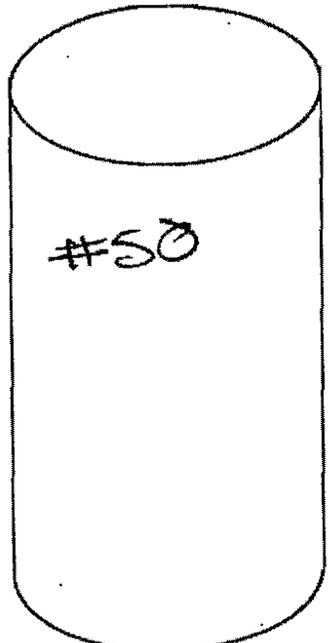
Drum ID: #50

Job #: _____

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil	_____
Fuel (note if gasoline)	_____
Water	_____
Dirt/Soil	_____
Solid Sludge	_____
Slurry Sludge	_____

Constituents in GALLONS

Antifreeze	_____
Oil Filters	_____
Absorbents/PPE/Debris	_____
Grease	_____
Other <u>UNKNOWN</u> <u>4gal.</u>	_____

(Explain below)

Describe:
 Odor: _____
 Color: orange
 Viscosity: High Medium Low

Notes: Drum is from Alaska Sand and gravel. No other markings Available. liquid is ~~orange~~ ^{grey} PH = 10+. Drum is in good condition. I assume bucket is full of some sort of concrete admixture. When performing oxidizer test, The acid turned the liquid milky. Generating no heat. Achieved no other information besides a phone number for a guy named Larry Cable.

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

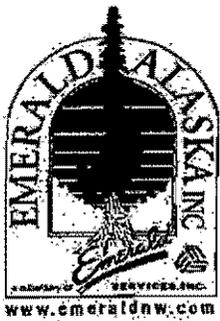
Drum Condition: Shippable (Circle One) Bad Notes:

Drum Type: O/T (Circle One) B/T (Circle One) Steel (Circle One) Poly (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 6-gal (Circle One)

Overpack Required: Yes (Circle One) No (Circle One)

Basket/Ring Replaced: Yes (Circle One) No (Circle One) Bung Replaced: Yes (Circle One) No (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

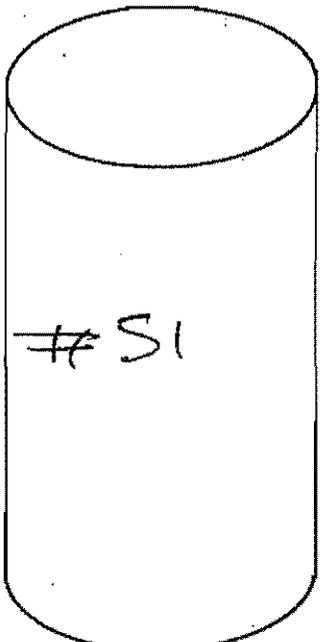
Drum ID: #51

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

- Oil _____
- Fuel (note if gasoline) _____
- Water _____
- Dirt/Soil _____
- Solid Sludge _____
- Slurry Sludge _____

Constituents in GALLONS

- Antifreeze _____
- Oil Filters _____
- Absorbents/PPE/Debris _____
- Grease _____
- Other Mortar Resin. 5gal
(Explain below)

Describe:

Odor: Wood Stain
 Color: Dark Brown
 Viscosity: High Medium Low

Notes: Drum is full of an unknown substance. Drum is inside of another drum called mortar Resin Component A Product No. 3 By thermal-Chem. Substance is non-combustible non-oxidizer PH is neutral, non-soluble in water, non-halogenated. Small reaction with Allosolter (as water would).

Drum is in poor condition and needs to be repackaged. Lid needs a new gasket, NOT an approved container. Dirty, and stuck in a other bucket

Based on a 55-gallon drum
 2% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: needs repackaged and new lid/gasket. Not shippable
 (Circle One)

Drum Type: OK B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Gasket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)

Attachment 5. ROICC Building Sample Logs

Roicc Building

1x55DM - uncontaminated vermiculite

1x85DF - Dirty Rain water

1x85DM - Bentonite & water

1x55DM - Bentonite & water

* 2x55DM - POL water

2x85DM - uncontaminated vermiculite & water

6x55DM - Uncontaminated Bentonite

11x85DM - Uncontaminated Vermiculite



Drum Log

Date: 10-30-12

Technician: John E. Perez

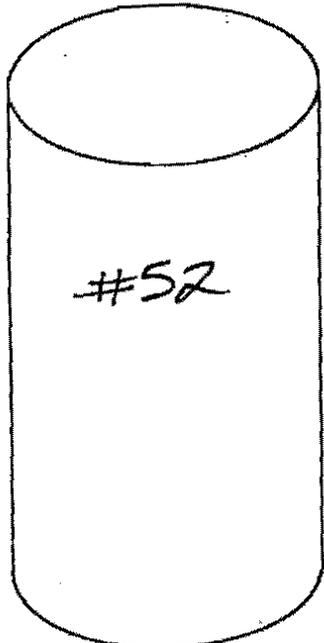
Drum ID: #52

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enter - prizes

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 10 gal
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other vermiculite
 (Explain below) uncontaminated 30ga

Describe:

Odor: N/A
 Color: Brown, Tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is half full of Vermiculite. The vermiculite is uncontaminated, has 6 inches of rain water on top. No halogens. Drum is in poor condition.

Based on a 55-gallon drum

- 10% = 1.2 gallons
- 20% = 2.75 gallons
- 30% = 5.5 gallons
- 40% = 8.25 gallons

- 50% = 11 gallons
- 60% = 13.75 gallons
- 70% = 27.5 gallons
- 80% = 41.25 gallons

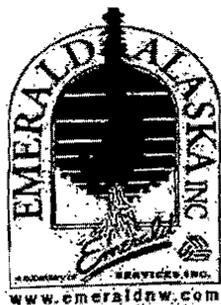
Drum Condition: Shippable Bad Notes: Rusty, Not Shippable
 (Circle One)

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Repack Required: Yes No
 (Circle One)

asket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

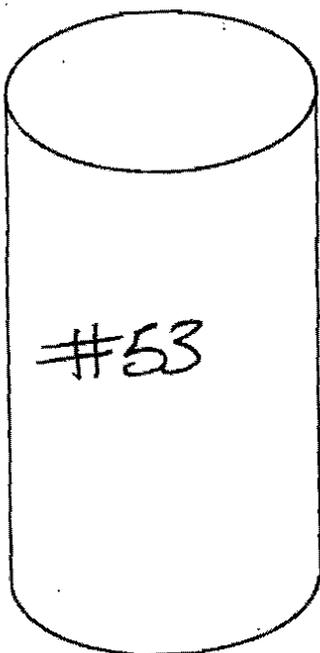
Drum ID: #53

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



- Constituents in GALLONS**
- Oil _____
 - Fuel (note if gasoline) _____
 - Water _____
 - Dirt/Soil _____
 - Solid Sludge _____
 - Slurry Sludge _____

- Constituents in GALLONS**
- Antifreeze _____
 - Oil Filters _____
 - Absorbents/PPE/Debris _____
 - Grease _____
 - Other uncontaminated vermiculite
(Explain below) 85 gal.

Describe:

Odor: NA

Color: NA tan, Brown, Gold

Viscosity: High Medium Low

Notes: Drum is full of uncontaminated, Dry, vermiculite. No other constituents. Drum is in poor condition. Rusty

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

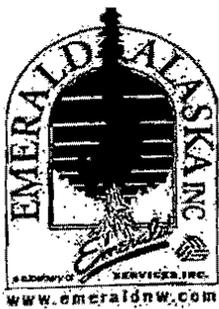
Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Not Shippable.

Drum Type: O/T (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Basket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

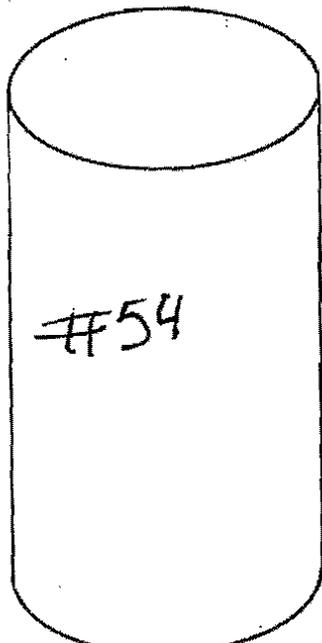
Drum ID: #54

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated
 (Explain below) vermiculite: 85gal

Describe:

Odor: NA
 Color: Gold, Brown, tan
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite. No other constituents. Drum is in poor condition.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 4% = 5.5 gallons
- 8% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

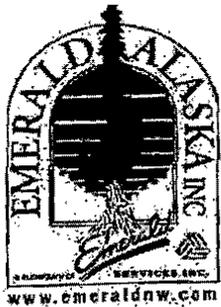
Drum Condition: Shippable **Bad** Notes: Rusty, Not Shippable.
 (Circle One)

Drum Type: **O/T** B/T **Steel** Poly
 (Circle One) (Circle One)

Drum Size: **85-gal** 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: **Yes** No
 (Circle One)

asket/Ring Replaced: **Yes** No Bung Replaced: **Yes** No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

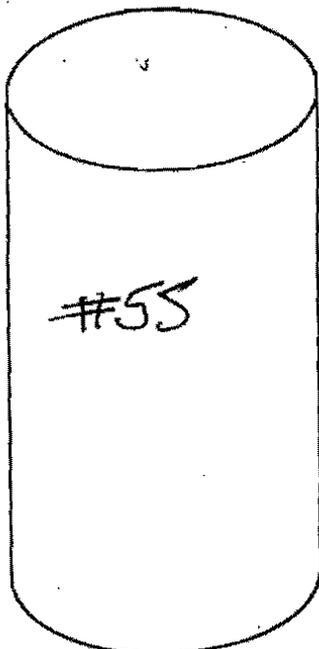
Drum ID: #55

Job #: AKR16S

PT / Manifest #: _____

Job Name: S & R. Enter Prizes

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated vermiculite
 (Explain below) 8.5gal.

Describe:

Odor: _____
 Color: _____
 Viscosity: High Medium Low

Notes: Drum is full of uncontaminated vermiculite.
No other constituents. Drum is in poor condition.
Rusty.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

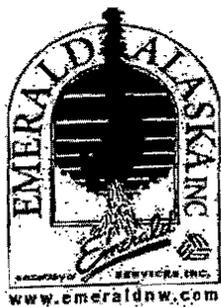
Drum Condition: Shippable Bad Notes: Rusty, Not shippable
 (Circle One)

Drum Type: O/T B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

asket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

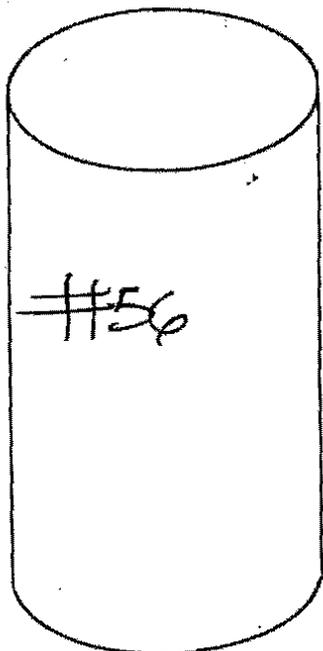
Drum ID: #56

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated Vermic
 (Explain below) ulite - 8 gal.

Describe:

Odor: NA
 Color: Brown Tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite. No other constituents. Drum is in poor condition. Rusty.

Based on a 55-gallon drum

- 10% = 5.5 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

- 10% = 5.5 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, Not Shippable
 (Circle One)

Drum Type: O/T B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Wasket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

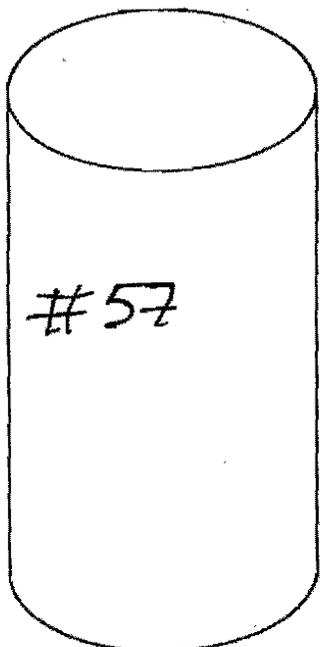
Drum ID: #57

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated
 (Explain below) vermiculite. 85gal

Describe:

Odor: NA
 Color: Brown, Tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite. No other constituents. Drum is in poor condition Rusty.

Based on a 55-gallon drum

1% = 1.2 gallons
 2% = 2.75 gallons
 3% = 5.5 gallons
 4% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, NOT shippable.

Drum Type: O/T (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

asket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

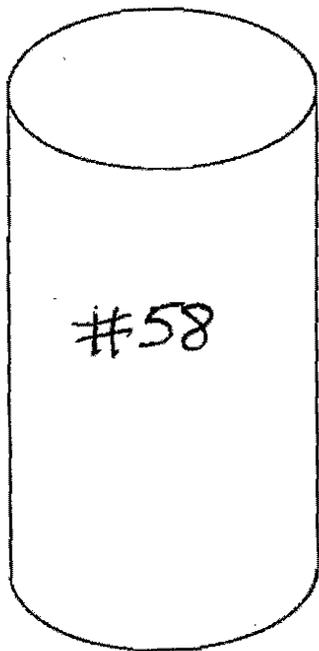
Drum ID: # 58

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprizes

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated Vermiculite
 (Explain below) 8.5gal.

Describe:

Odor: NA
 Color: Brown, Tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated Vermiculite. No other constituents. Drum is in poor condition. Rusty.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

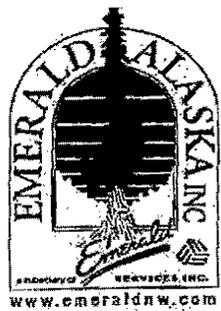
Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Not Shippable.

Drum Type: O/T (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Basket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

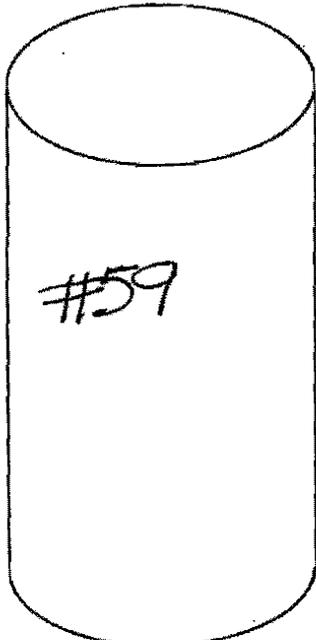
Drum ID: # 59

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: PASS
(Pass / Fail)



Constituents in GALLONS

- Oil _____
- Fuel (note if gasoline) _____
- Water _____
- Dirt/Soil _____
- Solid Sludge _____
- Slurry Sludge _____

Constituents in GALLONS

- Antifreeze _____
- Oil Filters _____
- Absorbents/PPE/Debris _____
- Grease _____
- Other uncontaminated vermiculite
(Explain below) 8 gal.

Describe:

Odor: NA

Color: Brown Tan, Gold.

Viscosity: High Medium Low

Notes: Drum is full of uncontaminated vermiculite. No other constituents. Drum is in poor condition. Rusty

Based on a 55-gallon drum

- 10% = 1.2 gallons
- 20% = 11 gallons
- 15% = 2.75 gallons
- 25% = 13.75 gallons
- 30% = 5.5 gallons
- 50% = 27.5 gallons
- 40% = 8.25 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Not Shippable.

Drum Type: OT (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

asket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

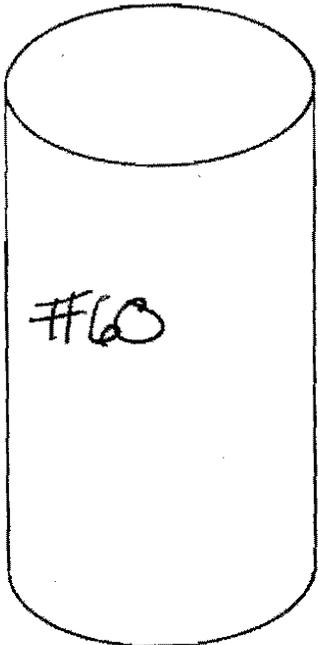
Drum ID: # 60

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprizes

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated vermiculite
 (Explain below) 85gal.

Describe:

Odor: NA
 Color: _____
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite
No other constituents. Drum is in poor
condition, Rusty.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 5% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Not shippable

Drum Type: O/T (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Wicket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

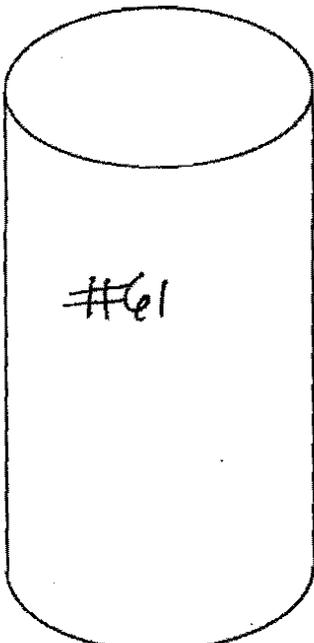
Drum ID: #61

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 2gal _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other vermiculite, unaccontaminated
 (Explain below) 50gal

Describe:

Odor: NA
 Color: Brown, Tan, Gold
 Viscosity: High Medium Low

Notes: Uncontaminated vermiculite. Drum is half full of uncontaminated vermiculite. a small layer of rain water sits on top. No other constituents. Drum is in poor condition. Rusty. No lid.

Based on a 55-gallon drum

- 10% = 1.2 gallons
- 20% = 2.75 gallons
- 30% = 5.5 gallons
- 40% = 8.25 gallons

- 50% = 11 gallons
- 60% = 13.75 gallons
- 70% = 27.5 gallons
- 80% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, No lid, Not shippable

Drum Type: OIL (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Wasket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

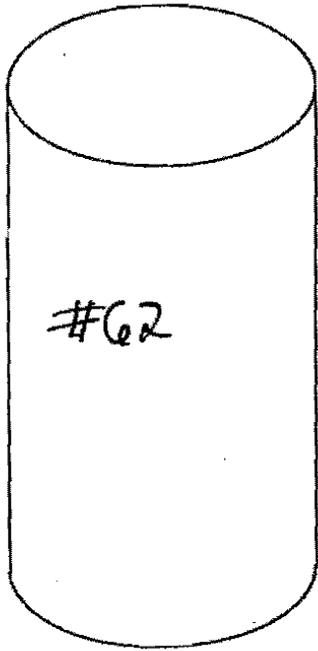
Drum ID: #62

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated vermiculite
 (Explain below) 85gal

Describe:

Odor: NA
 Color: Brown, Tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite
No other constituents. Drum is in poor
condition, Rusty, No ring

Based on a 55-gallon drum

1% = 1.2 gallons
 5% = 2.75 gallons
 10% = 5.5 gallons
 20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, No Ring, Not shippable
 (Circle One)

Drum Type: O/T B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

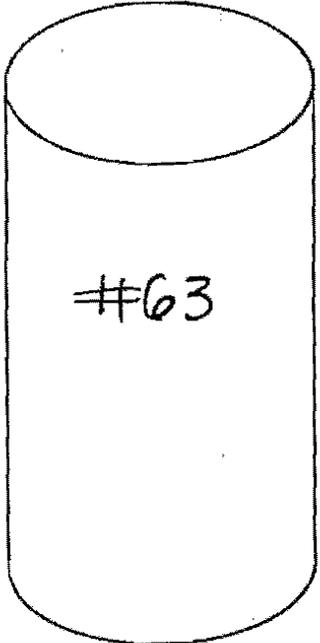
Drum ID: #63

Job #: AKR165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 1 gal
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Bentonite 20 gal
 (Explain below)

Describe:

Odor: NA
 Color: NA
 Viscosity: High Medium Low

Notes: Drum has two bags of bentonite clay in it. Some various pipe joints, and a small amount of water on the bottom. No other constituents. Drum is in poor condition, Rusty, No lid.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: ~~Good~~ Bad
 (Circle One) Notes: Rusty, No lid, Not shippable

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

asket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

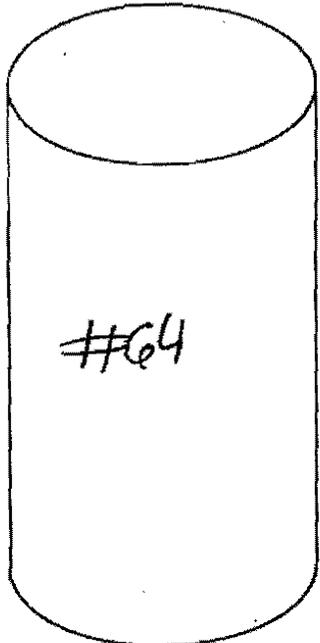
Drum ID: #64

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated Vermiculite
 (Explain below) 55gal.

Describe:

Odor: NA
 Color: Brown, tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite. No other constituents. Drum is in poor condition. Rusty.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons
- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, Not Shippable.
 (Circle One)

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Wicket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

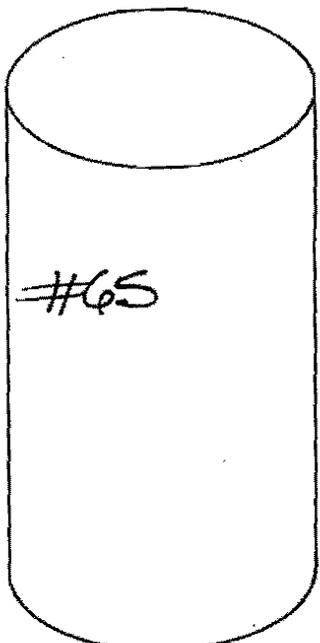
Drum ID: #65

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprizes

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Bentonite 20gal
 (Explain below)

Describe:

Odor: NA
 Color: NA
 Viscosity: High Medium Low

Notes: Drum has 2 Bags of Bentonite clay inside of it. No other constituents. Drum is in poor condition, Rusty, No lid, tipped on its side,

Based on a 55-gallon drum
 2% = 1.2 gallons
 3% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, no lid, tipped on side Not Shippable.

Drum Type: OT B/T Steel Poly (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal (Circle One)

Overpack Required: Yes No (Circle One)

Wasket/Ring Replaced: Yes No (Circle One) Bung Replaced: Yes No (Circle One)



Drum Log

Date: 10-30-17

Technician: John E. Perez

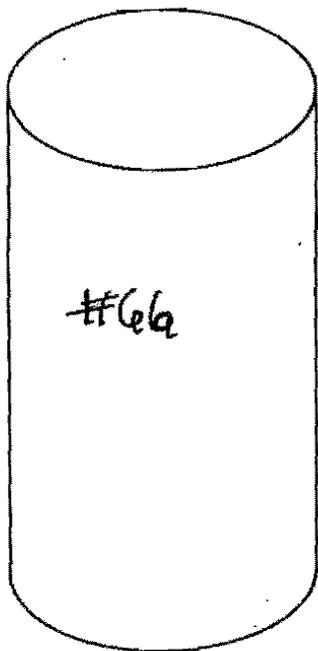
Drum ID: # 66

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other uncontaminated
 (Explain below) vermiculite 85gal

Describe:

Odor: NA
 Color: Brown, Tan, Gold.
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite.
No other constituents, Drum is in poor condition
Rusty.

Based on a 55-gallon drum

1% = 1.2 gallons
 2% = 2.75 gallons
 3% = 5.5 gallons
 4% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Not Shippable

Drum Type: OT (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal (Circle One) 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Wasket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

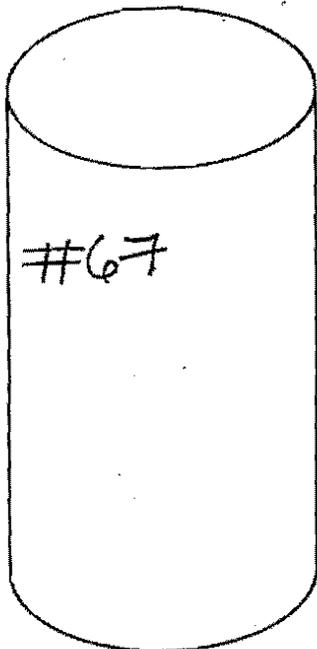
Drum ID: #67

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Bentonite 55gal
 (Explain below)

Describe:

Odor: NA
 Color: NA
 Viscosity: High Medium Low

Notes: Drum is full of 5 bags of Bentonite clay. Bentonite is uncontaminated. No other constituents. Drum is in poor condition. Rusty lid is destroyed.

Based on a 55-gallon drum

2% = 1.2 gallons
 3% = 2.75 gallons
 10% = 5.5 gallons
 15% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty lid destroyed. Not shippable.

Drum Type: OT (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal 55-gal (Circle One) 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No (Circle One)

Basket/Ring Replaced: Yes No (Circle One) Bung Replaced: Yes No (Circle One)



Drum Log

Date: 10-30-17

Technician: John E. Perez

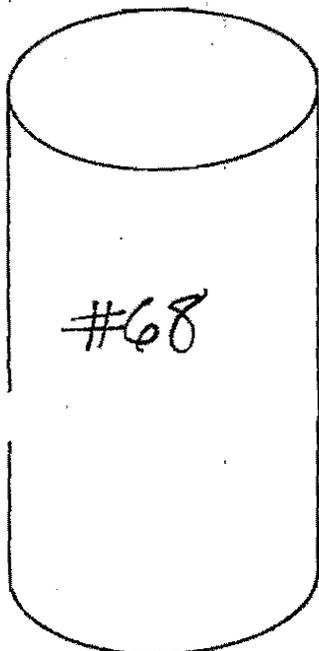
Drum ID: #68

Job #: AK19165

PT / Manifest #: _____

Job Name: SER Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 10gal
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Bentonite 30gal
 (Explain below)

Describe:

Odor: NA
 Color: NA
 Viscosity: High Medium Low

Notes: Drum is 1/2 full. Mostly hardened Bentonite. There is a few gallons of rain water sitting on top. No other constituents. Drum is in poor condition, Rusty, missing lid.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, Missing lid. Not shippable.
 (Circle One)

Drum Type: O/T B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

Wasket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

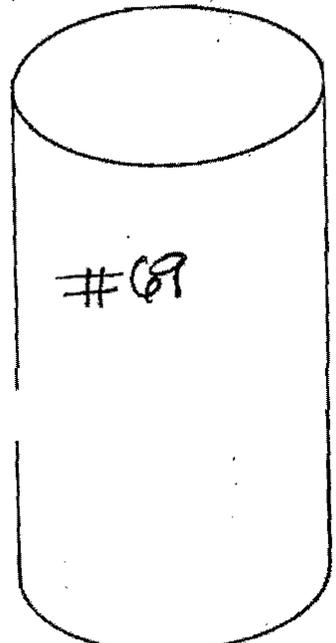
Drum ID: #69

Job #: AK18165

PT / Manifest #: _____

Job Name: SER Enterprises

Chlor-d-lect: PASS
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other Bentonite 55gal
(Explain below)

Describe:

Odor: NA

Color: NA

Viscosity: High Medium Low

Notes: Drum is full of 5 Bags of Bentonite Clay. Bentonite is uncontaminated. There is a small amount of water sits on bottom of drum. Drum is in poor condition, Rusty, No Lid.

Based on a 55-gallon drum

1% = 1.2 gallons

2% = 2.75 gallons

3% = 5.5 gallons

5% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

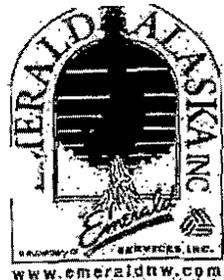
Drum Condition: Shippable Bad Notes: Rusty, No Lid, Not shippable
(Circle One)

Drum Type: Oil B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

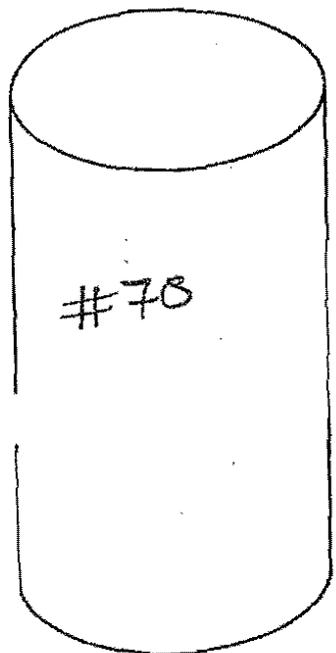
Drum ID: #70

Job #: AH18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Bentonite 55gal
 (Explain below)

Describe:

Odor: NA
 Color: NA
 Viscosity: High Medium Low

Notes: Drum is full of 5 bags of Bentonite Clay. Bentonite is uncontaminated. No other constituents. Drum is in poor condition. Rusty. Lid is falling apart. No ring

Based on a 55-gallon drum
 1% = 1.2 gallons
 2% = 2.75 gallons
 3% = 5.5 gallons
 5% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty Lid falling apart, No ring. Not shippable
 (Circle One)

Drum Type: OT B/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

asket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

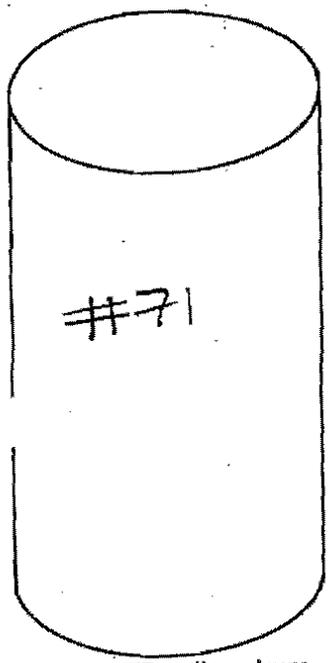
Drum ID: #71

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

- Oil _____
- Fuel (note if gasoline) _____
- Water _____
- Dirt/Soil _____
- Solid Sludge _____
- Slurry Sludge _____

Constituents in GALLONS

- Antifreeze _____
- Oil Filters _____
- Absorbents/PPE/Debris _____
- Grease _____
- Other Bentonite 55gal
(Explain below)

Describe:

Odor: NA

Color: NA

Viscosity: High Medium Low

Notes: Drum is full of 5 Bags of Bentonite. Bentonite is uncontaminated. Bentonite is hardened. No other constituents. Drum is in poor condition. Rusty, No lid, has holes.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 2% = 2.75 gallons
- 3% = 5.5 gallons
- 5% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, No lid, has holes Not Shippable

Drum Type: OT (Circle One) B/T Steel (Circle One) Poly

Drum Size: 85-gal 55-gal (Circle One) 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes (Circle One) No

Basket/Ring Replaced: Yes (Circle One) No Bung Replaced: Yes (Circle One) No



Drum Log

Date: 10-30-12

Technician: John E. Perez

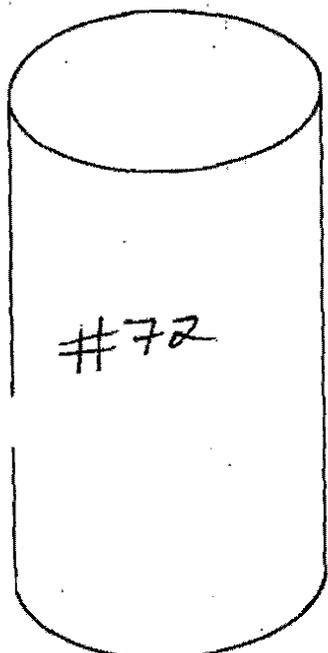
Drum ID: # 72

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____

Fuel (note if gasoline) _____

Water _____

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other Bentonite 55gal

(Explain below)

Describe:

Odor: NA

Color: NA

Viscosity: High Medium Low

Notes: Drum is full of 5 Bags of Bentonite Clay. Bentonite is uncontaminated. Drum has some rusty pipe in it as well. No other constituents. Drum is in poor condition. Rusty. Lid is destroyed. No ring.

Based on a 55-gallon drum

1% = 1.2 gallons

2% = 2.75 gallons

3% = 5.5 gallons

5% = 8.25 gallons

20% = 11 gallons

25% = 13.75 gallons

50% = 27.5 gallons

75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, Lid destroyed, No Ring Not Shippable.

Drum Type: O/P B/T Steel Poly

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No

Basket/Ring Replaced: Yes No Bung Replaced: Yes No



Drum Log

Date: 10-30-12

Technician: John E. Perez

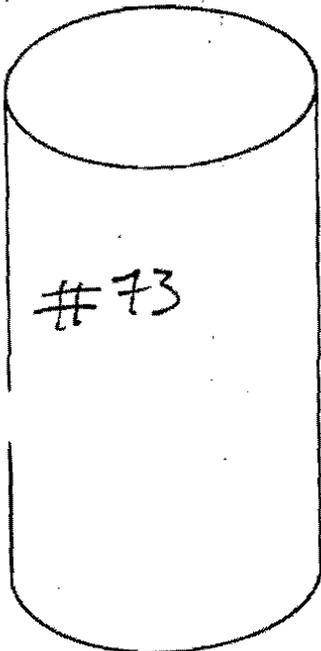
Drum ID: #73

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water _____
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other Uncontaminated vermiculite
 (Explain below) 85gal

Describe:

Odor: NA
 Color: Brown, Tan, Gold
 Viscosity: High Medium Low
 Notes: Drum is full of uncontaminated vermiculite. No other constituents. Drum is in poor condition, Rusty, holes in it.

Based on a 55-gallon drum
 1% = 1.2 gallons
 2% = 2.75 gallons
 3% = 5.5 gallons
 5% = 8.25 gallons

20% = 11 gallons
 25% = 13.75 gallons
 50% = 27.5 gallons
 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: Rusty, holes. Not Shippable
 (Circle One)

Drum Type: O/T Steel Poly
 (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
 (Circle One)

Overpack Required: Yes No
 (Circle One)

asket/Ring Replaced: Yes No Bung Replaced: Yes No
 (Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

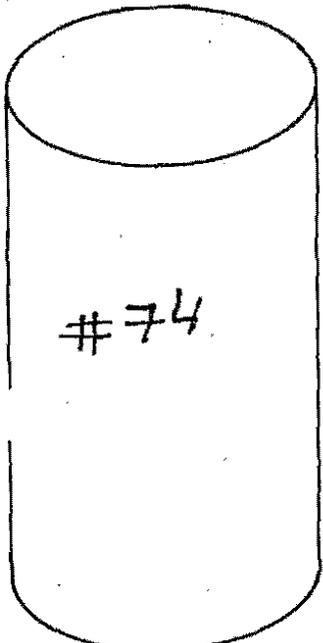
Drum ID: #74

Job #: AK18165

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-ect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil _____
 Fuel (note if gasoline) _____
 Water 85gal
 Dirt/Soil _____
 Solid Sludge _____
 Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____
 Oil Filters _____
 Absorbents/PPE/Debris _____
 Grease _____
 Other _____
 (Explain below)

Describe:

Odor: _____

Color: _____

Viscosity: High Medium Low

Notes: Drum is full of Dirty Rain water. Small amount of debris also sits in drum. No other constituents. Drum is in good condition however needs a new lid.

Based on a 55-gallon drum

- 1% = 1.2 gallons
- 3% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad Notes: needs lid
(Circle One)

Drum Type: O/T B/T Steel Poly
(Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal
(Circle One)

Overpack Required: Yes No
(Circle One)

Lift Basket/Ring Replaced: Yes No Bung Replaced: Yes No
(Circle One) (Circle One)



Drum Log

Date: 10-30-12

Technician: John E Perer

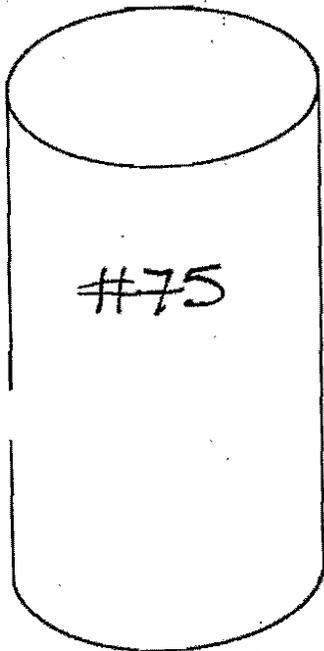
Drum ID: # 75

Job #: AK1816S

PT / Manifest #: _____

Job Name: S & R Enterprises

Chlor-d-etect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil: 5 gal

Fuel (note if gasoline): _____

Water: 20 gal

Dirt/Soil: _____

Solid Sludge: _____

Slurry Sludge: _____

Constituents in GALLONS

Antifreeze: _____

Oil Filters: _____

Absorbents/PPE/Debris: _____

Grease: _____

Other: _____

(Explain below)

Describe:

Odor: Oil

Color: Clear

Viscosity: High Medium Low

Notes: Drum is 1/2 full of oily water mostly water with a small layer of oil on top. No other constituents. Drum is in poor condition. Rusty, Bulged at Bottom

Based on a 55-gallon drum

- 2% = 1.2 gallons
- 5% = 2.75 gallons
- 10% = 5.5 gallons
- 15% = 8.25 gallons

- 20% = 11 gallons
- 25% = 13.75 gallons
- 50% = 27.5 gallons
- 75% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Bulged at Bottom

Drum Type: O/T B/T (Circle One) Steel Poly (Circle One)

Drum Size: 85-gal 55-gal (Circle One) 30-gal 15-gal 10-gal 5-gal

Overpack Required: Yes No (Circle One)

Basket/Ring Replaced: Yes No (Circle One) Bung Replaced: Yes No (Circle One)



Drum Log

Date: 10-30-12

Technician: John E. Perez

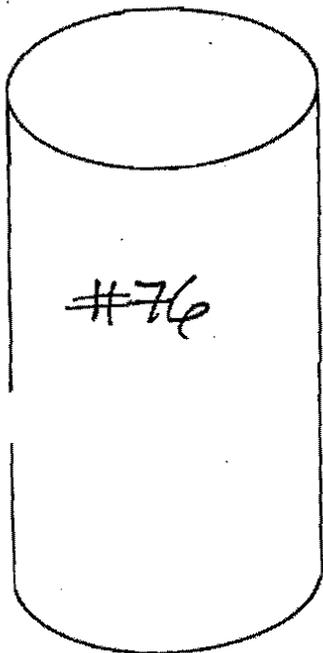
Drum ID: #76

Job #: AK18165

PT / Manifest #: _____

Job Name: S&R Enterprises

Chlor-d-lect: Pass
(Pass / Fail)



Constituents in GALLONS

Oil 5gal

Fuel (note if gasoline) _____

Water 20gal

Dirt/Soil _____

Solid Sludge _____

Slurry Sludge _____

Constituents in GALLONS

Antifreeze _____

Oil Filters _____

Absorbents/PPE/Debris _____

Grease _____

Other _____

(Explain below)

Describe:

Odor: _____

Color: _____

Viscosity: High Medium Low

Notes: Drum is 1/2 full of oily water. Mostly water with a small layer of oil on top. No other constituents. Drum is in poor condition. Rusty.

Based on a 55-gallon drum

- 10% = 1.2 gallons
- 20% = 2.75 gallons
- 30% = 5.5 gallons
- 40% = 8.25 gallons

- 50% = 11 gallons
- 60% = 13.75 gallons
- 70% = 27.5 gallons
- 80% = 41.25 gallons

Drum Condition: Shippable Bad (Circle One) Notes: Rusty, Not shippable

Drum Type: O/T B/T Steel Poly (Circle One) (Circle One)

Drum Size: 85-gal 55-gal 30-gal 15-gal 10-gal 5-gal (Circle One)

Overpack Required: Yes No (Circle One)

Wasket/Ring Replaced: Yes No (Circle One) Bung Replaced: Yes No (Circle One)

Attachment 6. Emerald Alaska Waste Disposal Report

Project Summary

Repackaging & Removal of Contaminated Waste Services

Naval Air Facility – Adak Island, Alaska



Prepared by:

Emerald Alaska, Inc.
425 Outer Springer Loop Road
Palmer, Alaska 99645



Summary

Emerald Alaska Inc. (EAI) was contracted to provide trained Hazardous Materials Specialists to identify/characterize, repackage and remove waste materials located at former Adak Naval Air Facility Adak Island, AK. An inventory of waste material to be removed from the TAC Building 1 and workroom of the NMCB building were provided in Table 1 and 2 of the RFP.

Task 1

Based on the waste inventories provided, EAI determined the appropriate treatment method and submitted waste profiles permitted disposal facilities for approval. The following twenty (20) waste profiles were submitted to four (4) disposal facilities:

Emerald Alaska, Inc. • 2020 Viking Dr. Anchorage, AK 99501 • EPA ID # AKR000004184

- AK03200 – Petroleum Contaminated Soil, Sand, and Gravel
- AK00503L – Absorbents and Rags with Free Liquids
- AK02907-B – Used Oil
- AK04714 – Crushed Oil Filters
- AK02908 – POL/Oily Water
- AK04716 – Non-Regulated POL Grease
- AK05000 – Empty Drums Last Containing (Petroleum, Lubricants, Oils)

Emerald Services Inc. • 1825 Alexander Ave. Tacoma, WA 98421 • EPA ID # WAD981769110

- 33331 – Spent Paint Related Materials
- 46888 – Pearl Solvent
- PROPFORBENREUSE – Propane Cylinders (not used)

US Ecology Idaho, Inc. • 20400 Lemley Rd. Grand View, ID 83624 • EPA ID # IDD073114654

- 30714-0 – Lime
- 30715-0 – Aqua Resin Cure Clear
- 30716-0 – Pozzoloth 322 N
- 30717-0 – Rheobuild 1000
- 30757-0 – MB VR
- 26387 – Alkaline Loose Pack
- 26389 – Acid Labpack
- USE18653 – Basic Labpack
- 15165 – Latex Paint Loose Pack

Clean Harbors-LA Porte, LP • 5005 Independence Pkwy. La Porte, TX 77571 • TXD982290140

- LCY4 – Compressed Gas Cylinders

Profiles AK02907-B – Used Oil and PROPFORBENREUSE – Propane Cylinders were not used. Profiles USE18653 – Alkaline Labpack and 15165 – Latex Loose Pack were submitted and added to the manifest on site after identification/characterization was determined for inventory items located in the workroom of the NMCB building. Upon notification of approval by the disposal facilities, manifests were prepared.

All of the required packaging material was shipped out to Adak on Alaska Air Cargo consisting of 22 – 85 gallon overpacks, 1 – 110 gallon overpack, 15 – 55 gallon metal open top drums, 2 – 55 gallon poly open drums, 1 – 30 gallon metal open top drum, 1 – 30 gallon poly open top drum, 2 super sacks, and an assortment of spill cleanup items, PPE, and placards were shipped to the site.

All drums and containers were identified by previously provided drum numbers. All non-shippable drum were overpacked into UN Spec. 55, 85, or 110 gallon drums. The small containers and buckets were loose packed by “like” waste streams into 55 gallon drums. All drums were marked and labeled then transported to and loaded according to segregation requirements per 49CFR176.83 into the two (2) Sampson 20-foot containers.

Once the containers were packed and prepared for shipment, John Pittz, NTR, NAVFAC NW signed the manifest as the generator. The manifests were then turned over to the onsite Sampson representative to sign and take possession of the containers was turned over for shipment.

The containers were shipped on the next available barge. The containers were picked up in Seward and then transported to Emerald Alaska’s Viking facility for either disposal or shipment to one of the final disposal facilities in either Washington, Texas, or Utah. TSDF signed manifests and certificates of disposal are included in Attachment 1 of this report.

Task 2

EAI was to provide personnel, equipment, and tools to identify contents of jars and canisters stored in NMCB Building shown in Figure 1 Work Room Storage, and remove all items from Adak and oversee the destruction of all drums, canisters, and associated waste.

All items were removed from the NMCB Work Room Storage and staged in the lite area by the door of the garage to allow material identification and packaging. The materials were identified primarily by container labels. When Labels were not available or the material was used, field screening was used to determine the characteristics of the material for waste screen segregation.

A generic set of profiles and manifests were created prior to arriving on Adak based from pictures from the NMCB Work Room Storage since no inventory was available (*see waste profile list in Task 1*). Once material identification was complete additional waste profiles were created and the lines were hand written onto the appropriate manifest.

All materials were packaged in to appropriate UN spec shipping containers segregated by waste stream. The drums were then marked and labeled for shipment. The drums were then loaded into the two (2) Sampson 20-foot containers.

Once the containers were packed and prepared for shipping, John Pittz, NTR, NAVFAC NW signed as generator. The onsite Sampson representative signed the manifests and took possession of the containers turned over to Sampson for shipment.

The containers were shipped on the next available barge. The containers were picked up in Seward and then transported to Emerald Alaska’s Viking facility for either disposal or shipment to one of the final disposal facilities in either Washington, Texas, or Utah. TSDF signed manifests and certificates of disposal are included in Attachment 1 of this report.

ATTACHMENT 1

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. AK 4 1 7 0 0 2 4 3 2 3	Manifest Document No. 1 9 1 2 1 A	2. Page 1 of 2
3. Generator Name and Site Address FORMER US NAVAL AIR STATION ADAK I 1101 TAUTOG CIRCLE SILVERDALE, WA 98315		Site Address FORMER US NAVAL AIR STATION ADAK ADAK ISLAND (PARCEL 4) ADAK, AK 99546		
4. Generator's Phone ()				
5. Transporter 1 Company Name SAMSON TUG & BARGE	6. US EPA ID Number W A D 9 8 0 9 8 1 8 4 9	A. State Transporter's ID		
7. Transporter 2 Company Name S&R ENTERPRISES	8. US EPA ID Number A K R 0 0 0 0 0 5 5 3 8	B. Transporter 1 Phone (800) 331-3522		
9. Designated Facility Name and Site Address EMERALD ALASKA, INC. 2020 VIKING DRIVE ANCHORAGE, AK 99501		10. US EPA ID Number A K R 0 0 0 0 0 4 1 8 4	C. State Transporter's ID	
		D. Transporter 2 Phone (907) 335-5055		
		E. State Facility's ID		
		F. Facility's Phone (907) 258-1558		

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
MATERIAL NOT REGULATED BY D.O.T.	01	DM	00600	P
MATERIAL NOT REGULATED BY D.O.T.	01	DM	00400	P
MATERIAL NOT REGULATED BY D.O.T.	03	DM	01200	P
MATERIAL NOT REGULATED BY D.O.T.		DM		P

G. Additional Descriptions of Materials Listed Above 1)AK03200 PETROLEUM CONTAMINATED SOIL, SAND AND GRAVEL 2)AK00503L ABSORBENTS AND RAGS WITH FREE LIQUIDS (85G) 3)AK00503L ABSORBENTS AND RAGS WITH FREE LIQUIDS(55G) 4)AK02907-B USED OIL, BRAKE FLUID, TRANSMISSION FLUID	H. Handling Codes for Wastes Listed Above TR 10 384513
--	---

15. Shipper's Certification: This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name John V. Petz, NTR	Signature <i>John V. Petz</i>	Date Month Day Year 4 24 13
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ELIAB SMILOFF - AMSUG	Signature <i>Elia Smiloff</i>	Date Month Day Year 4 24 13
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Jeff Roges	Signature <i>Samson Tug Barge</i>	Date Month Day Year 5 28 13
19. Discrepancy Indication Space Robert E. Doderick	Signature <i>Robert E. Doderick</i>	Date 8-12-13
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19. Printed/Typed Name John E. Perez	Signature <i>John E. Perez</i>	Date Month Day Year 06 24 13

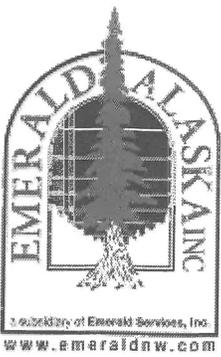
NON-HAZARDOUS WASTE GENERATOR

TRANSPORTER FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number AK4170024323	22. Page 2 / 2	23. Manifest Tracking Number 19121A		
24. Generator's Name FORMER US NAVAL AIR STATION AD ADAK ISLAND (PARCEL 4) ADAK, AK 99546						
25. Transporter <u>3</u> Company Name				U.S. EPA ID Number		
26. Transporter <u>4</u> Company Name				U.S. EPA ID Number		
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
		No.	Type			
	5) MATERIAL NOT REGULATED BY D.O.T.	02	DM	0800	P	
	6) MATERIAL NOT REGULATED BY D.O.T.	02	DM	0900	P	
	7) MATERIAL NOT REGULATED BY D.O.T.	01	DM	0450	P	
	8) MATERIAL NOT REGULATED BY D.O.T.	02	DM	0500	P	
	9) MATERIAL NOT REGULATED BY D.O.T.	01	DM	0300	P	
	10) MATERIAL NOT REGULATED BY D.O.T. (EMPTY DRUMS LAST CONTAINED POL)	01	CF DE	0100	P	
32. Special Handling Instructions and Additional Information 5)AK04714 CRUSHED OIL FILTERS 6)AK02908 POL/OILY WATER 7)AK02908 POL/OILY WATER(55G) 8)AK04716 NON-REGULATED POL GREASE 9)AK04716 NON-REGULATED POL GREASE(8 10)AK05000 EMPTY DRUM(S) LAST CONTAI						
TRANSPORTER	33. Transporter <u>3</u> Acknowledgment of Receipt of Materials					
	Printed/Typed Name	Signature	Month	Day	Year	
TRANSPORTER	34. Transporter <u>4</u> Acknowledgment of Receipt of Materials					
	Printed/Typed Name	Signature	Month	Day	Year	
DESIGNATED FACILITY	35. Discrepancy					
	36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					



CERTIFICATE OF DISPOSAL/RECYCLE

GENERATOR: FORMER US NAVAL AIR STATION ADAK ISLAND
ADAK ISLAND (PARCEL 4)
ADAK AK 99546

DISPOSAL FACILITY: EMERALD ALASKA, INC.
2020 VIKING DRIVE
ANCHORAGE AK 99501

EPA ID NUMBER: AK4170024323

MANIFEST/DOCUMENT #: 19121A

DATE OF DISPOSAL/RECYCLE: 06/24/2013

<u>LINE</u>	<u>WASTE DESCRIPTION</u>	<u>CONTAINERS</u>	<u>TYPE</u>	<u>QUANTITY</u>	<u>UOM</u>
1	PETROLEUM CONTAMINATED SOIL,SAND AND GRAVEL	1	DM85	600	P
2	ABSORBENTS AND RAGS WITH FREE LIQUIDS (85G)	1	DM85	400	P
3	ABSORBENTS AND RAGS WITH FREE LIQUIDS(55G)	3	DM55	1,200	P
5	CRUSHED OIL FILTERS	2	DM55	800	P
6	POL/OILY WATER	2	DM85	900	P
7	POL/OILY WATER(55G)	1	DM55	450	P
8	NON-REGULATED POL GREASE	2	DM85	500	P
9	NON-REGULATED POL GREASE(85G)	1	DM55	300	P
10	EMPTY DRUM(S) LAST CONTAINED PETROLEUM LUBRICATING OILS	1	DF05	100	P

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above described waste was managed in compliance with all applicable laws, regulations, permits, and licenses on the date listed above.

PREPARED BY: JOHN PEREZ

SIGNATURE:

DATE: 6/24/2013

Your Local Partner for Recycling Environmental Services

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

003470848FLE

Contract# 7619

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number AK4170024323	2. Page 1 of 3	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number 003470848 FLE			
5. Generator's Name and Mailing Address FORMER US NAVAL AIR STATION ADAK 1101 TAUTOG CIRCLE SILVERDALE, WA 98315		Generator's Site Address (if different than mailing address) FORMER US NAVAL AIR STATION ADAK ISLAND ADAK ISLAND (PARCEL 4) ADAK, AK 99546						
Generator's Phone:								
6. Transporter 1 Company Name SAMSON TUG & BARGE		U.S. EPA ID Number WAD980981849						
7. Transporter 2 Company Name S&R ENTERPRISES		U.S. EPA ID Number AKR000005538						
8. Designated Facility Name and Site Address EMERALD SERVICES INC 1825 ALEXANDER AVE TACOMA, WA 98421 (253) 627-4822		Facility's Phone:			U.S. EPA ID Number WAD981769110			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	RQ, UN1993, Waste Flammable liquids, n.o.s. (TOLUENE, ACETONE), 3, PGII, RQ=100, FP=<38C C.C., ERG#128	01	DM DF	0050	P	D001	D035	F003
X	RQ, UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (STODDARD SOLVENT), 3, PGII, RQ=100, FP=<38C C.C., ERG#128	01	DM	0500	P	D001		
X	UN1075, PETROLEUM GASES, LIQUEFIED, 2.1, ERG#1.5 limited Qty		DM		P			
4.								
14. Special Handling Instructions and Additional Information 1) 33331 SPENT PAINT RELATED MATERI - 300# CLHV 323245 2) 46888 PEARL SOLVENT 3) PROPORBENREUSE PROPANE CYLINDER								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(e) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator/Officer's Printed/Typed Name JOHN V. PITZ, NTR		Signature <i>John V. Pitz</i>			Month Day Year 4 24 13			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Part of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name Blaine Smiloff		Signature <i>Blaine Smiloff</i>			Month Day Year 4 24 13			
Transporter 2 Printed/Typed Name Jeff Rogers		Signature <i>Jeff Rogers</i>			Month Day Year 5 28 13			
18. Discrepancy Robert E. Dederick								
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <i>ZB</i> <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <i>Lined 12 boxes, 7.3.13</i>								
18b. Alternate Facility (or Generator)		Manifest Reference Number:			U.S. EPA ID Number			
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)					Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H061		2. H061		3.		4.		
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a								
Printed/Typed Name J. Beebe		Signature <i>J. Beebe</i>			Month Day Year 10 10 13			

CERTIFICATE OF DISPOSAL/RECYCLE

GENERATOR: FORMER US NAVAL AIR STATION ADAK ISLAND
ADAK ISLAND (PARCEL 4)
ADAK AK 99546

DISPOSAL FACILITY: EMERALD SERVICES INC
1825 ALEXANDER AVE
TACOMA W 98421

EPA ID NUMBER: AK4170024323

MANIFEST/DOCUMENT #: 003470848FLE

DATE OF DISPOSAL/RECYCLE: 07/01/2013

<u>LINE</u>	<u>WASTE DESCRIPTION</u>	<u>CONTAINERS</u>	<u>TYPE</u>	<u>QUANTITY</u>	<u>UOM</u>
1	SPENT PAINT RELATED MATERIAL	1	DF55	50	P
2	PEARL SOLVENT	1	DM55	128	P

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above described waste was managed in compliance with all applicable laws, regulations, permits, and licenses on the date listed above.

PREPARED BY: BOB PRICE

SIGNATURE: _____



DATE: 10/2/2013

Your Local Partner for Recycling Environmental Services

7343 E. Marginal Way S. - Seattle, WA 98108 - (206) 832-3000 - Fax (206) 832-3030

13070905701 003470849FLE
003470849FLE

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Contract# 7619 Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number AK4170024323	2. Page 1 of 4	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number 003470849 FLE
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5. Generator's Name and Mailing Address FORMER US NAVAL AIR STATION ADAK 1101 TAUTOG CIRCLE SILVERDALE, WA 98515	Generator's Site Address (if different than mailing address) FORMER US NAVAL AIR STATION ADAK ISLAND ADAK ISLAND (PARCEL 4) ADAK, AK 99546
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6. Transporter 1 Company Name SAMSON TUG & BARGE	U.S. EPA ID Number WAD980981849
7. Transporter 2 Company Name S&R ENTERPRISES	U.S. EPA ID Number AKR000005538
8. Designated Facility Name and Site Address US ECOLOGY IDAHO, INC. 20400 LEMLEY RD GRAND VIEW, ID 83624 (800) 274-1516	U.S. EPA ID Number IDD073114654

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	1 MATERIAL NOT REGULATED BY DOT	01	DM	0500	P			
	2 MATERIAL NOT REGULATED BY DOT	10	DM	5000	P			
	3 MATERIAL NOT REGULATED BY DOT	02	DM	1000	P			
	4 MATERIAL NOT REGULATED BY DOT	01	DM	0500	P			

14. Special Handling Instructions and Additional Information
 1) 30714-0 LIME
 2) 30715-0 AQUA RESIN CURE CLEAR
 3) 30716-0 POZZOLITH 322 N
 4) 30717-0 RHEOBUILD 1000
 CLHU 323245

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: JOHN V. PETTE, NTR
 Signature: [Signature]
 Month: 4 Day: 24 Year: 13

16. International Shipments
 Import to U.S. Export from U.S.
 Port of entry/exit: _____
 Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: [Signature] Month: 4 Day: 24 Year: 13
 Transporter 2 Printed/Typed Name: Jeff Rogers, Samson tug & barge Month: 5 Day: 28 Year: 13

18. Discrepancy Robert E Dunderk R. E. D. Month: 6 Day: 12 Year: 13

18a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____
 Facility's Phone: _____
 18c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. H132 2. H132 3. H132 4. H132

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.
 Printed/Typed Name: [Signature] Signature: [Signature] Month: 10 Day: 10 Year: 13

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number	22. Page	23. Manifest Tracking Number			
24. Generator's Name		FORMER US NAVAL AIR STATION AD ADAK ISLAND (PARCEL 4)		663470849 FLE			
25. Transporter Company Name		ADAK AK 99546		U.S. EPA ID Number			
26. Transporter Company Name		BROTHERS		U.S. EPA ID Number AKR00009418			
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit WL/Vol.	31. Waste Codes	
		No.	Type				
	(5) MATERIAL NOT REGULATED BY DOT						
	(6) ROX UN1719 WASTE CAUSTIC ALKALI LIQUID		DM	35.00		D002	
	(7) ROX UN1719 WASTE CAUSTIC ALKALI LIQUID						
	(8) ROX UN3261 WASTE CORROSIVE LIQUID ACID					D002	
	(9) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(10) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(11) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(12) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(13) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(14) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(15) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(16) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(17) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(18) ROX UN3261 WASTE CORROSIVE LIQUID ACID						
	(19) MATERIAL NOT REGULATED BY DOT						
	(20) MATERIAL NOT REGULATED BY DOT						
	(21) MATERIAL NOT REGULATED BY DOT						
	(22) MATERIAL NOT REGULATED BY DOT						
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	(46) MATERIAL NOT REGULATED BY DOT						
	(47) MATERIAL NOT REGULATED BY DOT						
	(48) MATERIAL NOT REGULATED BY DOT						
	(49) MATERIAL NOT REGULATED BY DOT						
	(50) MATERIAL NOT REGULATED BY DOT						
32. Special Handling Instructions and Additional Information							
915165 LATEX PAINT							
5) 20757 0 MB NR							
6) 26387 ALKALINE LOOSE PACKS 55 30							
7) 26389 ACID LAB PACKS							
8) 26390 SODIUM HYDROXIDE SOLUTION							
TRANSPORTER	33. Transporter Acknowledgment of Receipt of Materials		Printed/Typed Name	Signature	Month	Day	Year
			John E. Perez	<i>John Perez</i>	06	21	13
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials		Printed/Typed Name	Signature	Month	Day	Year
			Wendy BowWens	<i>WB</i>	06	21	13
35. Discrepancy							
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
H132 Other H132 Other H132 H132 H132							

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number AK 4170024323	22. Page 1	23. Manifest Tracking Number 0034708407E		
24. Generator's Name FORMER US NAVAL AIR STATION AD ADAK ISLAND (PARCEL 4)						
25. Transporter Company Name ADAK AIR 99516				U.S. EPA ID Number WA000001263		
26. Transporter Company Name ADAK AIR 99516						
GENERATOR	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	
			No.	Type	30. Unit Wt./Vol.	31. Waste Codes
32. Special Handling Instructions and Additional Information						
TRANSPORTER	33. Transporter Acknowledgment of Receipt of Materials					
	Printed/Typed Name	Signature		Month	Day	Year
	Dustin Hank For SFT	Dustin Hank		07	09	13
DESIGNATED FACILITY	34. Transporter Acknowledgment of Receipt of Materials					
	Printed/Typed Name	Signature		Month	Day	Year
35. Discrepancy						
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						

CERTIFICATE OF DISPOSAL

October 07,2013

FORMER US NAVAL AIR STATION ADAK ISLAND
ADAK ISLAND (PARCEL 4)
ADAK, AK 99546

This is to certify that waste as defined on Waste Manifest number 003470849 FLE/ was received by U.S. Ecology, Inc., on 07/10/2013. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 07/11/2013 in accordance with permits and laws regulating this facility.

Reference Number: 13070905701-003470849 FLE-1-1

Material: 1 95 GALLON DRUM

Process: Direct Landfill

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: 

Title: RECEIVING SUPERVISOR

CERTIFICATE OF DISPOSAL

October 07,2013

FORMER US NAVAL AIR STATION ADAK ISLAND
ADAK ISLAND (PARCEL 4)
ADAK, AK 99546

This is to certify that waste as defined on Waste Manifest number 003470849 FLE/ was received by U.S. Ecology, Inc., on 07/10/2013. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 08/08/2013 in accordance with permits and laws regulating this facility.

Reference Number: 13070905701-003470849 FLE-1-2

Material: 9 85 GALLON DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR

CERTIFICATE OF DISPOSAL

October 07, 2013

FORMER US NAVAL AIR STATION ADAK ISLAND
ADAK ISLAND (PARCEL 4)
ADAK, AK 99546

This is to certify that waste as defined on Waste Manifest number 003470849 FLE/ was received by U.S. Ecology, Inc., on 07/10/2013. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 08/08/2013 in accordance with permits and laws regulating this facility.

Reference Number: 13070905701-003470849 FLE-1-2

Material: 1 55 GALLON DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

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Reference Number: 13070905701-003470849 FLE-1-2

Material: 9 85 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

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Reference Number: 13070905701-003470849 FLE-1-2

Material: 1 55 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

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Reference Number: 13070905701-003470849 FLE-1-3

Material: 2 55 GALLON POLY DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-1-3

Material: 2 55 GALLON POLY DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-1-4

Material: 1 55 GALLON POLY DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-1-4

Material: 1 55 GALLON POLY DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: *Donna Pullen*

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-5

Material: 5 55 GALLON POLY DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:  _____

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-5

Material: 1 85 GALLON DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:

Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-5

Material: 1 OVER PACK (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-5

Material: 5 55 GALLON POLY DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:



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Reference Number: 13070905701-003470849 FLE-2-5

Material: 1 85 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

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Reference Number: 13070905701-003470849 FLE-2-5

Material: 1 OVER PACK (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: *Donna Pullen*

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Reference Number: 13070905701-003470849 FLE-2-6

Material: 1 55 GALLON DRUM (BATCH WASTE)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:

Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-6

Material: 1 30 GALLON DRUM (BATCH WASTE)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-6

Material: 1 55 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: *Donna Pullen*

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-6

Material: 1 30 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

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Reference Number: 13070905701-003470849 FLE-2-7

Material: 1 55 GALLON POLY DRUM (BATCH WASTE)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: *Donna Pullen*

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-7

Material: 1 55 GALLON POLY DRUM (CRUSHED EMPTY CONT)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: *Donna Pullen*

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-8

Material: 1 85 GALLON DRUM (BATCH WASTE)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:

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Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-8

Material: 1 85 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Neutralization

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:



Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-9

Material: 1 55 GALLON DRUM (BATCH WASTE)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature:

Donna Pullen

Title: RECEIVING SUPERVISOR

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Reference Number: 13070905701-003470849 FLE-2-9

Material: 1 55 GALLON DRUM (CRUSHED EMPTY CONT)

Process: Solidification

Management Code: H132 Landfill or surface impoundment that will be closed as landfill

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: NON HAZARDOUS WASTE

Customer: EMERALD ALASKA

Printed Name: DONNA PULLEN

Signature: *Donna Pullen*

Title: RECEIVING SUPERVISOR

DI 7453589

003470850FLE

Contract# 7619

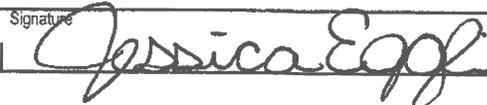
Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number AK4170024323	2. Page 1 of 16	3. Emergency Response Phone 1-800-424-9300	4. Manifest Tracking Number 003470850 FLE		
5. Generator's Name and Mailing Address FORMER US NAVAL AIR STATION ADAK 1101 TAUTOG CIRCLE SILVERDALE, WA 98315			Generator's Site Address (if different than mailing address) FORMER US NAVAL AIR STATION ADAK ISLAND ADAK ISLAND (PARCEL 4) ADAK, AK 99546				
Generator's Phone:							
6. Transporter 1 Company Name SAMSON TUG & BARGE				U.S. EPA ID Number WAD980981849			
7. Transporter 2 Company Name S&R ENTERPRISES				U.S. EPA ID Number AKR000005538			
8. Designated Facility Name and Site Address CLEAN HARBORS-LA PORTE, LP 5008 INDEPENDENCE PKWY. LA PORTE, TX 77571 (281) 476-0645				U.S. EPA ID Number TXD982290140			
Facility's Phone:							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	
				No.	Type	12. Unit Wt./Vol.	
	X	UN1956, COMPRESSED GASES, N.O.S. (., 2.2, ERG#126 (Nitrogen, Air) 2.2 ERG#126		62	DM0200	P	
	X	UN1454, Waste Compressed gases Flammable N.O.S. (Hydrogen, Nitrogen) 2.1 ERG#115		02	CY 0040	P	
13. Waste Codes OUTS701H Dool OUTS701H							
14. Special Handling Instructions and Additional Information 1) LCY4 (25 cylinders SDM#1) (37 cylinders DM#2) TRU 384513 2) LCY4							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded; and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name John V. PITTZ, NTR				Signature John Pittz		Month Day Year 4 24 13	
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name FRONT OF ADAK EARTH SERVICES/AMAS, LLC				Signature [Signature]		Month Day Year 4 24 13
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name Jeff Rogers Samson tug & barge				Signature [Signature]		Month Day Year 5 28 13
	18. Discrepancy Robert E. Duderick [Signature] 6-12-13						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)				Manifest Reference Number: U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H129		2. H129		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Lynda O'Brien				Signature Lynda O'Brien		Month Day Year 17 12 13	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number AK4170024323	22. Page 5/6	23. Manifest Tracking Number 003470850FLE	
24. Generator's Name FORMER US NAVAL AIR STATION AD ADAK ISLAND (PARCEL 4) ADAK, AK 99546					
25. Transporter <u>9</u> Company Name Steve Feder Trucking Inc BLT EXPRESS WAY INC		U.S. EPA ID Number WA6000001263 AZR000500515			
26. Transporter <u>10</u> Company Name Clean Harbors Env Svcs		U.S. EPA ID Number MAJ039322250			
GENERATOR	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity
			No.	Type	30. Unit Wt./Vol.
32. Special Handling Instructions and Additional Information					
TRANSPORTER	33. Transporter <u>9</u> Acknowledgment of Receipt of Materials				
	Printed/Typed Name Arlyn Smith	Signature 	Month	Day	Year
DESIGNATED FACILITY	34. Transporter <u>10</u> Acknowledgment of Receipt of Materials				
	Printed/Typed Name Jessica Eggli	Signature 	Month	Day	Year
35. Discrepancy					
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					



Clean Harbors LaPorte, LLC
 500 Independence Parkway South
 La Porte TX, 77571
 TXD982290140
 (281) 884-5500

CERTIFICATE OF DISPOSAL

Generator Contact Name: Sales Order #: DI7453590
 Generator Facility Name: Former US Naval Air Station Adak Island Date Received: 7/26/2013
 Generator Address: Adak Island (parcel 4)
 Adak, AK 99546

Generator EPA ID: AK4170024323 Manifest #: 003470850FLE

Line #	Profile/Description	Disposal Date	Method of Disposal	Disposal Facility
1	LCY6 Flammable Cylinders For Disposal	7/31/2013	Cylinder Devalving	La Porte, TX Facility
2	LCY6 Flammable Cylinders For Disposal	10/17/2013	Cylinder Devalving	La Porte, TX Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Name: Paul A. Nello
 Title: VP Environmental Applications
 Date: Friday, October 18, 2013