

# 2007 Final Annual Characterization Waste Code Assignments - National

WASTE STREAMS			WASTE CODE CHANGES - NATIONAL		
2006 NATIONAL SKDOT #	General Description	2006 Federal Waste Codes (From 2005 Data)	2007 Federal Waste Codes (From 2006 Data)	Changes from 2006 to 2007	2007 NATIONAL SKDOT #
839	Aqueous Brake Cleaner	D039	D039	No Change	839
16001 (SOLID AND LIQ MIX), 16002 (S), 16003 (L)	Branch Contaminated Debris	F002, F003, F005, D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043	F002, F003, F005, D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043	No Change	16001 (SOLID AND LIQ MIX), 16002 (S), 16003 (L)
950	Immersion Cleaner (IC 699)	D006, D008, D018, D027, D039, D040	D006, D018, D027, D039, D040	Remove D008	14950
704 801(RQ)	Parts Washer Solvent 105 Recycled	D001, D018, D039, D040	D001, D018, D039, D040	No Change	704 801(RQ)
11657 (Bulk)	Parts Washer Solvents (Bulked) / Combination of 105 and 150 (Aqueous, where applicable)	D001, D018, D039, D040	D001, D018, D039, D040	No Change	11657 (Bulk)
15002	Parts Washer Solvent Sludge/Dumpster Mud	D001, D039, D040	D001, D039, D040	No Change	15002
15001	Parts Washer Solvent Tank Bottoms (bulk)**	D039, D040	D039, D040	No Change	15001
717	Parts Washer Solvent 150	D039	D039	No Change	717
717	PRF and PDF Mil Spec. Solvent	D039	D039	No Change	717
12800, 12801 (RQ - hi cap)	Paint Gun Cleaner (SK)	F003, F005, D001, D018, D035, D038, D039, D040	F003, F005, D001, D018, D035, D036, D039, D040	Remove D038 Add D036	14000, 14001(RQ)
12858	Clear Choice Paint Gun Cleaner	F003, D001, D018, D035, D038, D039, D040	F003, D001, D018, D035, D036, D039, D040	Remove D038 Add D036	14002
12874 (ANY) 12875(30) 12876(55)	Paint Waste Other ***	F003, F005, D001, D018, D035, D038, D039, D040	F003, F005, D001, D018, D035, D036, D039, D040	Remove D038 Add D036	14074 (ANY), 14075(30), 14076(55)
12627	Dry Cleaner (Perc) Bottoms	F002, D007, D039, D040	F002, D007, D039, D040	No Change	12627
13906	Dry Cleaner (Perc) Filters	F002, D007, D039, D040	F002, D007, D039, D040	No Change	13906
13631	Dry Cleaner (Perc) Separator Water	F002, D039, D040	F002, D039, D040	No Change	13631
14569	Dry Cleaning Naphtha Bottoms	D039	D007, D039, D040	Add D007, D040	14570
14969	Dry Cleaning Naphtha Filters	D039	D007, D039, D040	Add D007, D040	14571
15669	Dry Cleaning Naphtha Separator Water	D039	D039, D040	Add D040	14572
16004	Aqueous Parts Washer Tank Bottoms	D039, D040	D039, D040	No Change	16004
16005	Aqueous Parts Washer Dumpster Sludge	D039, D040	NONE	Remove D039, D040	14949

\*\* Parts washer solvent tank bottoms are SK-generated wastes from the cleanout of solvent storage tanks. Safety-Kleen does not accept this waste stream from non-SK generators.

\*\*\* SKDOT 14074 is acceptable to use for any size container of paint waste. For those states that require 30-gal paint waste to be listed separately, use SK DOT 14075; for states that require 55-gal paint waste to be listed separately, use SK DOT 14076.

*THIS GOES WITH MY E-MAIL*  
*Jen*

# Non-Conforming Waste Notification

## History Log

SUBMITTED REQUEST (Sherman Bishop on 7/11/2006)  
 EDITED (NCWSMailer on 7/13/2006)  
 NCWS REVIEWED (NCWSMailer on 7/13/2006)  
 LS FORWARDED TO RON BURKETT (LS 313001 on 7/14/2006)  
 MSS UPDATED INITIAL CUSTOMER SECTION (BR 313001 on 7/19/2006)  
 UPCHARGE COST COMPLETE (NCWSMailer 7/19/2006) Comments: approved profile 40153226. container repacked at Smithfield  
 CREATED NCW SUMMARY LETTER (BR 313001 on 8/3/2006)  
 MSS UPDATED CUSTOMER SELECTION (BR 313001 on 8/3/2006)  
 COMPLETED (NCWSMailer on 8/4/2006)

Completed

NCW Type		Receipt Date	Reference No.
CWS		07/11/2006	0711111104
Manifest/BL Number	SK to 3rd Party Manifest	Lot Number (Manifest Line Item)	Business Type
19337		772902 11.b.	
Facility Number	Facility/Vendor Name	State	Phone Number
0997-00	Smithfield (New Castle)	KY	(502) 845-2453
Facility Mgr Name	Compliance Mgr Name		
Dave Hanson	Patrick Keely		

Customer Name		
Gate Precast		
Address 1	Address 2	
1018 SawdustTrail		
City:	State:	Zip Code:
Kissimmee	FL	34744
Contact:	Phone Number:	Fax:
Mike Parker	(407) 847-5285	
Servicing Branch	Market	National Accts Territory
313001 - Sanford, FL (Orlando)	Florida	

Profile Number	Profile Sequence Number	Date Waste Profile Created
40151333		06/26/2006
Waste Name		
Waste Paint related material in cans		

**Describe the Non-Conformance**

pH &lt;2

**Non-Reportable Comments**

Drum contains plastic jug of acidic material as well as cans of thinners. The generator must complete a new profile for the acid material. The generator will be expected to pay any additional costs associated with re-packing and re-profiling this material. Fax the completed profile to the NCW fax number.

Original Dispo Tech Code	Bulk Quantity Received	Unit Of Measure
fbsl		

**Optional Attachments**

	(1)	(2)	(3)
Original WTPN	875040	0	0
Container Type/Size	55 DM		
No. of Containers Received	1	0	0
No. of Containers Off-Spec	1	0	0

All NCW related paperwork (e.g., new generator signed profile, addendum, MSDS, etc.) is to be faxed to (847) 468-6664. All NCW Up-Charges are to be billed to P/N 97342.

**Communication to Customer:**

The Safety-Kleen Sanford, FL (Orlando) facility picked up waste from your company. This waste was then shipped to Smithfield (New Castle) where, upon receipt, it was determined that the waste deviated from the original profile. As a result, the management of this waste will require additional handling and will be required to be shipped to an alternate facility at an additional cost.

We are currently evaluating this matter and will provide you options for management as well as a summary of the additional costs shortly.

Reason for Non-Conformance:

pH <2

**Document Communication Below:**

**Initial Customer Notification**

Email address to send letter to		New Profile Number
		40153226
SK Representative Making Contact	Date of Call	Time of Call
Ron Burkett	07/17/2006	12:45 PM
Customer Representative Contacted	Title of person contacted	Phone of person contacted
Mike Parker	Manager	(407) 847-3812
Non-Reportable Comments		

**Customer Selection to Manage Non-Conforming Waste**

<input checked="" type="checkbox"/> Yes	Please process the non-conforming waste using the new disposal code technology and location. I agree to pay all additional costs associated with this request and hereby authorize Safety-Kleen to modify all paperwork necessary to properly manage the non-conforming waste. I also understand that I must certify to a new profile that accurately describes the non-conforming waste.
<input type="checkbox"/> Yes	Please return the waste to the generating facility. I agree to pay the additional charges as outlined in the attached letter.

Customer	Service Term	# Machines & Model	Average CUP/Service
Ring Power Heavy Equipment	12 week	12 model 14's	60 gal.
Ring Rent	8 week	4 - model 33's, 1 model 56	85 gal.
Ring Rent Equipment	8 week	1 model 33	15 gal.
Ringpower	8 week	6 - model 33's, 1 model 56	130 gal.
Royal Volkswagen	12 week	3 model 30's	45 gal.
Ryder T/S 0178	12 week	1 model 23	9 gal.
Sato Labeling Solutions	12 week	1 model 30	15 gal.
Saturn of Daytona	8 week	1 model 30	15 gal.
Serco	12 week	4 model 30's	60 gal.
Serco	12 week	1 model 30	15 gal.
Serco	12 week	1 model 30	15 gal.
Southeastern Container	8 week	2 - model 30's	30 gal.
Southeastern Container	12 week	2 - model 52's, 1 model 14	35 gal.
Ring Lift Field Service	8 week	1 model 33	45 gal.
Ring Power	8 week	17 model 33's	255 gal.
Ring Power	12 week	1 model 56	40 gal.
Ring Power	8 week	2 model 33's	30 gal.
Ring Power	8 week	5 model 33's, 1 model 23, 1 model 56	109 gal.
Ring Power EuiPMENT Co.	8 week	2 model 33's	30 gal.
Ring Power Heavy Equipment	12 week	12 model 14's	60 gal.
Jon Hall Chevrolet	12 week	6 model 30's	90 gal.
Jon Hall Jeep Eagle/Hyund.	8 week	4 model 30's	60 gal.
Jon Hall Pontiac/GMC	8 week	2 model 30's	30 gal.
Lake Mary Auto	12 week	1 model 16	9 gal.
Lynx	3 week	1 model 81	80 gal.
Mc Lane Suneast Inc	8 week	3 model 30's	45 gal.
Mercedes Benz-Porsche Audi Melbourne	12 week	3 model 30's	45 gal.
Motors & Compressors	12 week	1 model 16, 2 model 51	27 gal.
Motors & Compressors	6 week	1 model 54	32 gal.
Nortrax Equipment Co.	12 week	6 model 54's, 2 model 55's	278 gal.
Owens Auto Sales	16 week	1 model 51	9 gal.
Penske Truck Leasing	16 week	1 model 23	9 gal.
Reliant Energy	26 week	2 model 52's	30 gal.
Reliant Energy	12 week	2 model 56's, 2 model 81's	240 gal.
Ring Lift Field Service	8 week	3 model 33's	45 gal.
Daytona Speedway	12 week	4 model 16's	36 gal.
Dearborn Electronics	18 week	1 model 51	9 gal.
Dearborn Electronics	16 week	1 model 54	32 gal.
Dearborn Electronics	6 week	1 model 54	32 gal.
Dietrich Ind. Inc	6 week	1 model 30	15 gal.
Dixie Lime	6 week	1 model 30, 1 model 54	47 gal.
Dura Stress Inc	8 week	2 model 16's, 4 model 30's	78 gal.
Edwins Auto Repair	12 week	1 model 16	9 gal.
FMS 18	8 week	2 model 44's	68 gal.
Flomet Inc	8 week	1 model 30	15 gal.
Florida Power Corp	8 week	1 model 23	9 gal.

Florida Power Corp	8 week	1 model 33	15 gal.
Florida Power Corp	12 week	1 model 30, 1 model 44	83 gal.
Florida Production Eng.	8 week	1 model 30	15 gal.
Florida Rock Ind. Weirsdale Plant	8 week	1 model 30	15 gal.
Florida's Natural Growers Umatilla	8 week	3 model 30's	45 gal.
Foreign Car Clinic	12 week	2 model 16's, 1 model 30	33 gal.
Hobart MNF Corp	12 week	1 model 30	15 gal.
Horticultural Printers Co Inc	8 week	1 model 30	15 gal.
Inland Materials	10 week	2 model 30's	30 gal.
Invacare Corp	8 week	2 model 16's	18 gal.
Invacare Corp	4 week	1 model 16	9 gal.
Advanced Ordnance/Job Shop	12 week	1 model 52	30 gal.
Advanced Ordnance Corp	6 week	1 model 55	43 gal.
Amcort Pet Packaging	8 week	1 model 34	15 gal.
Amcort Pet Packaging	4 week	1 model 30	15 gal.
Bill Bryan Chrysler Inc	8 week	2 model 23's	18 gal.
BLP Products	12 week	1 model 30, 1 model 53	30 gal.
Bob Dance Kia	12 week	1 model 14, 1 model 30	19 gal.
Bombardier Tech Center	12 week	1 model 54	32 gal.
Central FL Reg. Transp. Authority	4 week	1 model 44	34 gal.
Clairson Plastics	12 week	1 model 30	15 gal.
Classic Chevrolet	12 week	4 model 30's	60 gal.
Closetmaid Corp	6 week	2 model 16's, 3 model 34's	63 gal.
Coca Cola/Minute Maid	16 week	1 model 33	15 gal.
Collectible Parts	8 week	1 model 52	15 gal.
Com Air	12 week	1 model 34	15 gal.
Cycle World of Daytona	12 week	2 model 30's	30 gal.
Daniels MFG Corp	4 week	1 model 30, 1 model 54	47 gal.
Daniels MFG Corp	12 week	1 model 11	4 gal.
Daytona Speedway	12 week	3 model 30's	45 gal.
Sullivan Olds-Cadillac	8 week	2 model 30's	30 gal.
Tanning Research Lab Inc	6 week	1 model 30	15 gal.
Tanning Research Lab Inc	12 week	1 model 30	15 gal.
Tara Technologies	8 week	1 model 16	9 gal.
Thompson Pump & MFG Co. Inc	12 week	1 model 30	15 gal.
Titan Motorsports	16 week	1 model 50	4 gal.
Trademark Metals Recycling Inc	4 week	1 model 16, 3 model 30's	54 gal.
Trail Lincoln Mercury/Legacy Lincoln Mercury	8 week	1 model 14, 1 model 16, 1 model 30, 1 model 44	63 gal.
Tuckers Mach & Steel SVC	4 week	1 model 16, 1 model 30	24 gal.
Uni-Pac Corp	12 week	1 model 30	15 gal.
Votran/Volusia Co Transit	4 week	2 model 16, 2 model 30's	48 gal.

## CONTINUED USE SYSTEM OPERATING PROCEDURE

**Purpose:** The purpose of this document is to establish operating procedures for the Continued Use System and to ensure that Safety-Kleen personnel using the system are properly trained and qualified.

**Scope:** This procedure applies to all Safety-Kleen personnel (i.e., warehouse personnel, sales representatives and branch managers) involved in the emptying and filling of containers of continued use solvent.

### Responsibilities

**Branch Manager:** Responsible for training facility personnel on how to use the Continued Use System and for ensuring that this procedure is followed.

**Sales Representative/Warehouse Personnel:** Responsible for following training procedures outlined in this document.

**Engineering/Project Manager:** Designs and installs Continued Use System and provides technical assistance to branch personnel during the startup and operational phases.

### Definitions

**Continued Use Tank:** A steel container (3 ft. wide x 4 ft. long x 5 ft. high) approximately 200 gallons in capacity with a tapered bottom which acts as a funnel to transfer solvent from drums to the drum washer, then to a bulk storage vessel (tank or tanker). Solids which could damage the drum washer or used mineral spirits pumps are collected in a removable top screen or fixed screen at the throat of the continued use tank.

**Drum Washer:** A steel container (3 ft. wide x 5 ft. long x 6 ft. high) used to clean the interior drum of sludge, sediment and residue. Similar to the continued use tank (above), the barrel washer acts as a funnel to transfer both hazardous and reuse solvent into a bulk storage vessel (tank or tanker). Containers of hazardous waste are dispensed into the front of the unit while reuse solvent is transferred from the continued use tank through the unit after being used to clean drums. The states of Michigan and Ohio do not allow dumping of hazardous waste into the drum washer and require that the drums be pumped directly to UMS bulk storage. The barrel washer is designed to store approximately 40 gallons before a float switch inside the unit energizes the used mineral spirits (UMS) pump to transfer the UMS to either the bulk tanker or tank.

**Motorized Reversing Ball Valves:** Two motorized reversing full-port ball valves are used to direct flow of UMS from either the continued use tank or drum washer to the drum washer pump, which recirculates the UMS through the spritzer nozzle to clean the drum. The ball rotates 90 degrees from the fully open position to the fully closed position by way of an electric motor actuator. When the continued use tank is being used, the valve in the line from the continued use tank is open and the valve in the line from the drum washer is closed. When the drum washer is selected, the valve in the line from the continued use tank closes and the valve in the line from the drum washer opens. Key features of these valves include a stainless steel full port ball (full port means the diameter of the ball opening is equal to the inner diameter of the pipe), visual indicators on the top of the valve to indicate the valve is open or closed and a manual override mechanism to open or close the valve. Limit switches inside the valves provide a signal to the continued use control panel when the valve is fully open or fully closed. No signal is generated unless the valve is fully opened or fully closed.

**Continued Use Control Panel:** This custom manufactured Class I Division II electric control panel provides the following features:

- a. A three-position switch to energize the two motorized reversing ball valves which control the flow of solvent from the drum washer or continued use tank through the drum washer pump and spritzer spray nozzle. The switch when in the off position de-energizes both valves.
- b. Valve position indicator lights, including one green (open) and red (closed) for each valve. When the switch is in "Washer" position, the top left green is lit, indicating the valve from the drum washer is fully open, and the lower right red is lit, indicating the valve from the Continued Use tank is fully closed. When the switch is turned to the "Reuse" position, the upper right green light will come on after the reuse valve opens and the lower left red light will light after the washer valve closes. It is normal that no lights will be lit for a 5-10 second time



period immediately after switching while the valves open and close. In the "off" position, all lights will be off, indicating no power to either valve.

- c. Control wiring and relays to control the continued use system. Note: This panel contains an interlock which will prevent the drum washer pump from operating if the control panel does not indicate via one red and one green light that one valve is in the fully open and one valve is in the fully closed position. This interlock is designed to ensure that no mixing of the hazardous and continued use solvent occurs during the drum washing operation. Should this problem occur, rotate the selector switch from one position to the other and observe the indicator lights. Do this several times if necessary or until the indicating lights indicate one red and one green light. If this does not work, it will be necessary to manually override the motor with a wrench to fully open or close the valve until the limit switch cams on the valve shaft can be adjusted by an electrician so they make.

### **Operating Procedure**

Containers of continued use, non-hazardous and hazardous solvents are offloaded by dock personnel from the truck onto the return and fill dock.

Segregate the drums into three groups: (1) continued use, (2) non-hazardous and (3) hazardous. Stretch a black rubber lid gasket around all continued use drums to differentiate them from the hazardous and non-hazardous drums.

After removing the UN lock rings and lids on the continued use containers, carefully tip and empty continued use containers into the continued use tank, while watching that the continued use tank level is not within two inches of the rim.

**Note: Dispensing of solvent in either the continued use tank or drum washer should stop immediately if the solvent level is within two (2) inches of the rim.**

After as many continued use drums as possible have been dispensed into the continued use tank, turn the switch on the continued use control panel to "Reuse" and commence cleaning drums (hazardous, non-hazardous and reuse) in the drum washer.

The drum washer is controlled by a timer inside the drum washer control panel (yellow box) and preset to run for 35-45 seconds so as to deliver 13 gallons through the inside nozzle.

After placing a drum over the brushes inside the drum washer, push the drum washer control switch to the "on" position to start the drum cleaning process.

After the drum washer motor stops, remove the drum from the drum washer and verify that there is at least 15 gallons remaining under the grating in the continued use tank to clean the next drum. If so, clean the next drum. If not, empty all remaining drums of continued use product into the continued use tank and continue cleaning drums. Rinse the drum using the 150 drum spritzer before filling if it is to be used for non-hazardous solvent.

Skip the spritzer step if the drum is to be used for a 105 hazardous customer. After the drum is cleaned in the drum washer and rinsed in the 150 spritzer (non-hazardous customers only), proceed to fill each drum with fresh solvent. Install the UN ring, ensuring that the lid and ring are seated and secured properly. Use the pneumatic wrench to tighten the bolt and label the drum as continued use, hazardous or non-hazardous.

Clean drums with the selector switch set to "Reuse" until the level in the continued use tank is near the bottom of the cone. **Caution: Never completely empty the continued use tank, as this results in the continued use pump running dry, which could destroy the \$500 silicon carbide mechanical seal in the pump.** The pump sounds noticeably different when running dry - prevent this from happening by frequently checking the level in the continued use tank.

When there is less than 15 gallons of continued use product remaining, turn the selector switch to the "Drum Washer" setting and continue to clean drums.



Continue to empty, clean and fill the remainder of the hazardous and non-hazardous drums on the dock utilizing the drum washer in the "drum washer" mode, except in Michigan, Ohio and other states, where these drums cannot be emptied directly into the drum washer. Spritz the non-hazardous drums using the 150 Spritzer before filling.

Repeat this procedure from the beginning for the next truck or set of trucks.

# CONTINUED USE

## R/F SCHEMATIC

