



RCRA Generators: An Inspector's Point of View

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Note:

- ▶ This presentation is focusing primarily on requirements an inspector will review during most routine RCRA hazardous waste generator inspections only.
- ▶ The contents of this presentation are not exhaustive and may not cover all RCRA requirements that may be applicable to your facility.
- ▶ In addition, it is likely an inspector may also be reviewing (where applicable) requirements for:
 - ▶ RCRA regulated tanks & AA, BB, CC regulations
 - ▶ Hazardous secondary materials
 - ▶ Recycling & treatments
 - ▶ Regulated medical wastes
 - ▶ Subpart P pharmaceuticals

An Inspection from NJDEP's Perspective

Pre-Inspection

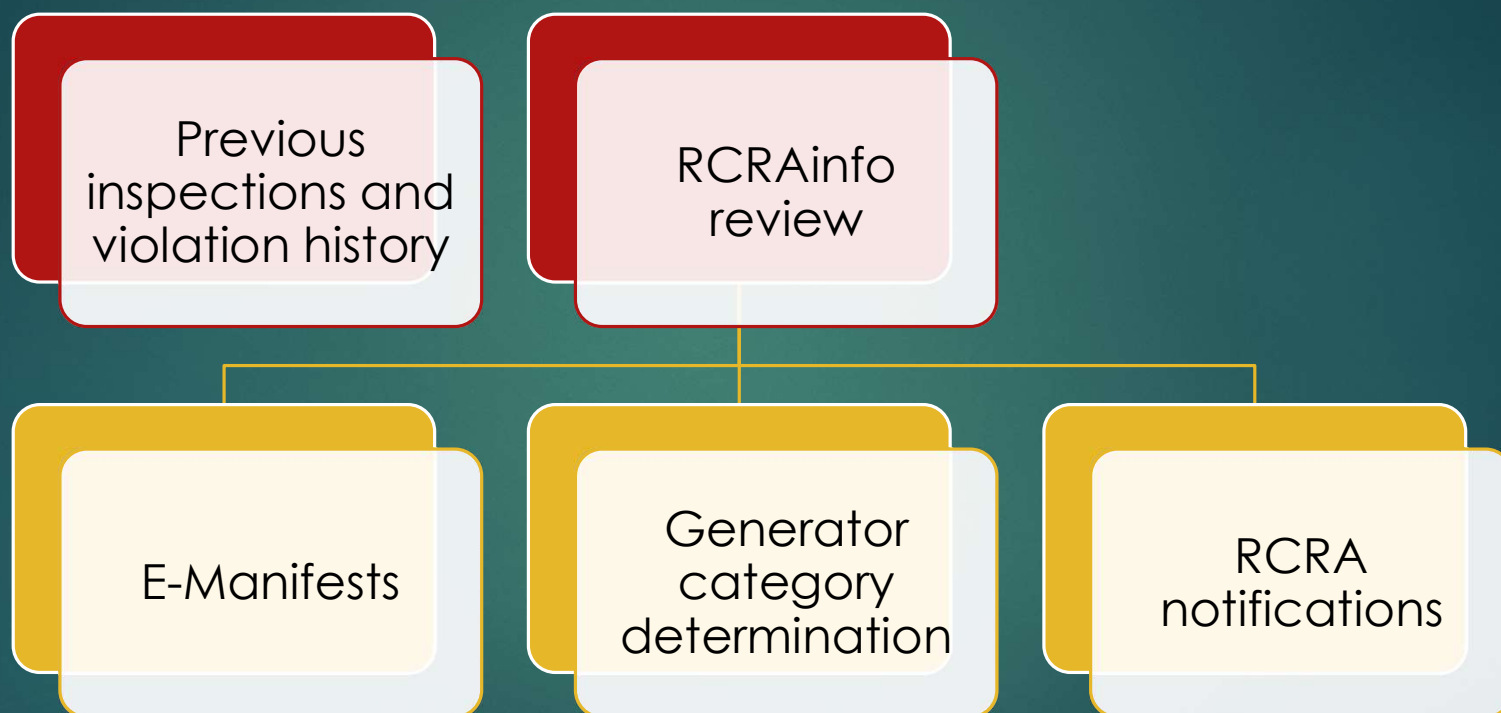
Site Walkthrough

Documentation Review

Violations

Pre-Inspection

Pre-Inspection



Previous Inspections

Example of DEP
pre-inspection report.

Program	PI Name	PI Number	Activity Number	Activity Type	Lead Investigator	Inspection Date	Compliance Outcome	Inspection Report
Water Quality			SCI 210001	*Standard Compliance Inspection	Lockward, Daniel	5/26/2021	In Compliance	Click for Inspection Summary...
Water Quality			SCI 210001	*Standard Compliance Inspection	Lockward, Daniel	5/26/2021	Out of Compliance, Non-referred	Click for Inspection Summary...
Hazardous Waste			SCI 210001	*Standard Compliance Inspection	Chiles, Tiffany	2/17/2021	In Compliance	Click for Inspection Summary...
Hazardous Waste			SCI 210001	*Standard Compliance Inspection	Chiles, Tiffany	2/17/2021	Out of Compliance	Click for Inspection Summary...

Enforcement Actions

All Enforcement Actions that exist at the site regardless of status and date range.

Program	PI Name	PI Number	Activity Number	Effective Date	Activity Type	Doc Status	Penalty Assessed	Outstanding Balance	Enforcement
Air			NEA 010001	5/1/02	XSA	Closed	\$1,500.00	\$0.00	Click for Enforcement Info
Air			NEA 040001	4/6/05	XSA	Closed	\$6,000.00	\$0.00	Click for Enforcement Info
Air			PEA 000001	7/27/00	AON	Closed	\$0.00	\$0.00	Click for Enforcement Info
Air			PEA 010001	8/13/01	AON	Superseded	\$3,000.00	\$0.00	Click for Enforcement Info
Air			PEA 020001	5/23/02	AON	Superseded	\$6,000.00	\$0.00	Click for Enforcement Info
Air			PEA 030001	5/2/03	NOV	Closed	\$0.00	\$0.00	Click for Enforcement Info
Air			PEA 130001	10/23/13	NOV	Closed	\$0.00	\$0.00	Click for Enforcement Info
Hazardous Waste			BEA 240001		HBR	Pending	\$0.00	\$0.00	Click for Enforcement Info
Hazardous Waste			NEA 210001	6/14/21	XSA	Closed	\$7,200.00	\$0.00	Click for Enforcement Info



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RCRAInfo: E-Manifest Review

- Review of manifests, waste types, waste amounts, accuracy of information.



RCRA

Info

Home

Dashboards

Reports

Map

USITS

Settings

Tools

Documents

Manifest Tracking Number	Last Updated Date	Shipped Date	Received Date	Certified Date	Generator ID	Transporter ID
	04/21/2025 10:18 AM	03/11/2025	04/01/2025	04/21/2025		
	04/11/2025 12:07 PM	03/11/2025	03/19/2025	04/11/2025		
	04/10/2025 05:42 PM	03/11/2025	03/21/2025	04/10/2025		
	03/24/2025 12:36 PM	02/26/2025	03/04/2025	03/24/2025		
	03/24/2025 09:07 AM	02/26/2025	03/04/2025	03/24/2025		
	03/13/2025 05:58 PM	02/11/2025	02/20/2025	03/13/2025		
	03/11/2025 05:44 AM	02/11/2025	02/19/2025	03/11/2025		
	03/10/2025 03:34 PM	01/30/2025	02/18/2025	03/10/2025		
	03/10/2025 07:38 AM	02/11/2025	02/18/2025	03/10/2025		

RCRAInfo: Generator category

- ▶ Cannot definitively predict category without site visit.
- ▶ Can use manifest information to make a fairly accurate determination.



Manifest Waste Lines

Contact / RCRAInfo In

Manifest Tracking Number	Shipped Dated	Received Date	Days in Transit	TSDf ID	Federal Waste Code	Qty	Units
157							
	4/28/2025	4/30/2025	2	NJD980536593	D001 D038 F003 F005	<u>200</u>	Pounds
	4/28/2025	4/30/2025	2	NJD980536593	D001	<u>10</u>	Pounds
	4/28/2025	4/30/2025	2	NJD980536593	D002	<u>10</u>	Pounds
	4/28/2025	4/30/2025	2	NJD980536593	D002	<u>80</u>	Pounds
	4/7/2025	4/8/2025	1	NJD002454544	D001 D038 F003 F005	<u>3200</u>	Pounds
	4/7/2025	4/9/2025	2	NJD980536593	D001 D038 F003 F005	<u>480</u>	Pounds
	4/7/2025	4/9/2025	2	NJD980536593	D001	<u>10</u>	Pounds
	4/7/2025	4/9/2025	2	NJD980536593	D001 D002 D038	<u>40</u>	Pounds
	4/7/2025	4/9/2025	2	NJD980536593	D001 D002 D003	<u>10</u>	Pounds

RCRAinfo: RCRA Notifications

► Biennial Report submittal (LQGs)

► RCRA re-notification (SQGs)



RCRAinfo										
Home Dashboards Reports ▾ Map USITS Settings ▾ Tools ▾ Documentation ▾										
Universes Source Summary Maintain Other Ids 0 Quick Reports ▾										
Completed										
Show 10 ▾ entries										
Source	Seq	Receive Date	Certification Date	Federal Generator Category	Non-notifier	HSM	Closure	Consolidation		
BR / AR with Notification (2023)**	8	02/28/2024	02/28/2024	Large Quantity Generator						
BR / AR with Notification (2021)	7	02/23/2022	02/23/2022	Large Quantity Generator						
Notification	24	07/06/2021	07/06/2021	Large Quantity Generator						
BR / AR with Notification (2019)	6	02/20/2020	02/20/2020	Large Quantity Generator						
Notification	23	02/28/2019	02/22/2018	Large Quantity Generator						
BR / AR with Notification (2017)	5	10/02/2018	02/22/2018	Large Quantity Generator						
Notification	22	03/15/2016	02/22/2016	Large Quantity Generator						
BR / AR with Notification (2015)	4	02/22/2016	02/22/2016	Large Quantity Generator						
Notification	21	03/06/2014	02/10/2014	Large Quantity Generator						

►NOTE: In addition to no notification made in previous 4 years, “Implementer” sources are also not valid notifications.

<div> <div>RCRA Info</div> <div> Home Dashboards Reports ▾ Map USITS Settings ▾ Tools ▾ Documents </div> </div>									
<div> <div>Universes</div> <div>Source Summary</div> <div>Maintain Other Ids 0</div> <div>Quick Reports ▾</div> </div>									
Completed									
Show <input type="text" value="10"/> ▾ entries									
Source	Seq	Receive Date	Certification Date	Federal Generator Category	Non-notifier	HSM	Closure		
Implementer**	3	06/25/2020	06/25/2020	Small Quantity Generator					
Implementer	2	01/01/2007	01/01/2007	Small Quantity Generator					
Implementer	1	01/01/2006	01/01/2006	Small Quantity Generator					
Biennial Report (2003)	1	04/27/2004	04/27/2004	Small Quantity Generator					
Notification	1	05/29/1997		Small Quantity Generator					



Site Inspection

Commonly Inspected Areas

Waste generation points & satellite accumulation areas

- Laboratories
- Manufacturing or production areas
- Paint booths
- Printing or packaging areas
- Warehouses
- Maintenance shops

Used oil accumulation areas

Universal waste accumulation areas

Central Accumulation Area(s)



Waste Generation Points

- What are we looking for?
 - A general understanding of the facility's operations
 - An explanation of where and how hazardous waste is generated
 - Satellite accumulation area locations
 - Miscellaneous or unlabeled containers

Satellite Accumulation Areas

- Inspectors will be walking through hazardous waste generation points looking for the following:
 - Containers are labeled
 - Containers are in good condition/not leaking
 - Containers are closed
 - Satellite areas are not accumulating in excess of 55-gallons
 - Legitimacy of satellite accumulation areas

Satellite Container Examples

- ▶ Words “Hazardous Waste”
- ▶ Indication of the hazards
 - ▶ DOT placard
 - ▶ OSHA pictogram
 - ▶ NFPA diamond
 - ▶ Hazardous characteristic (ignitable, corrosive, etc.)
- ▶ Closed
- ▶ Not leaking



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Satellite Container Examples

- ▶ Potential violation: No hazard indication



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Satellite Container Examples

- ▶ Potential violation: No hazard indication



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Satellite Container Examples

- ▶ Potential violation:
 - ▶ Open container
 - ▶ No "Hazardous Waste"
 - ▶ No hazard indication



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Satellite Container Examples

- ▶ Potential violation:
 - ▶ Open container
 - ▶ No "Hazardous Waste"
 - ▶ No hazard indication



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Satellite Container Examples

- ▶ Potential violation: no
“Hazardous Waste”



Satellite Container Examples

- Potential violation: labeled "Waste" not "Hazardous Waste"



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Satellite Container Examples

- ▶ Potential violation:

- ▶ Not labeled "Hazardous Waste"
- ▶ Is this a single satellite area accumulating in excess of 55-gallons?



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Satellite Accumulation Area Legitimacy: Is it a satellite?

- At or near any point of generation where wastes initially accumulate which is under the control of the operator of the process generating the waste?
- Multiple 55-gallon drums for one satellite accumulation area?
- Conveyance containers?

Satellite Accumulation Area Legitimacy: Is it a satellite?

- Scenario:
 - A 55-gallon drum in a remote part of the facility.
 - Most likely not a satellite if the facility cannot prove it is near the point of waste generation and under the control of the operator.

Satellite Accumulation Area Legitimacy: Is it a satellite?

- Scenario:
 - A small production room operated by one operator. There are two 55-gallon drum satellites present each holding identical waste.
 - Operator explains the first is for floor sweeping from one side of the room and the second drum is for sweepings from the other side.
 - Most likely not two distinct satellite accumulation areas.
 - Both satellite drums area accumulating the same waste stream, therefore its one satellite area accumulating in excess of 55-gallons.

Satellite Accumulation Area Legitimacy: Is it a satellite?

- Scenario:
 - Two 55-gallon drums sit next to each other in a manufacturing area.
 - One is used by an operator to accumulate floor sweepings, the second is used by another operator to accumulate solvent waste from machine cleaning.
 - These may be two distinct satellite areas. Two containers for two separate waste streams.

Satellite Accumulation Area Legitimacy: Is it a satellite?

- Scenario:
 - A laboratory worker pours their used chemicals off into a 1-gallon jug satellite container.
 - At the end of the day the worker pours the contents of the jug off into a 55-gallon satellite container.
 - The 1-gallon jug is not a satellite container. It is a “conveyance container” and cannot be used. A satellite cannot be consolidated into another satellite.

Miscellaneous Containers & Unlabeled Containers

- What does your unlabeled container hold? Product or waste?
- Who determines if the container holds waste or product?
- Are your containers holding products being treated as if they have value?

Unlabeled Container Examples

- ▶ What is in this container?
 - ▶ The generator is responsible for making an accurate hazardous waste determination. [40 CFR 261.11]



Unlabeled Container Examples

- ▶ Are these waste containers?
- ▶ Generator states these drums do not contain waste, they contain product.
- ▶ Is the determination accurate?
- ▶ Products must be stored in a way that demonstrates it has value.



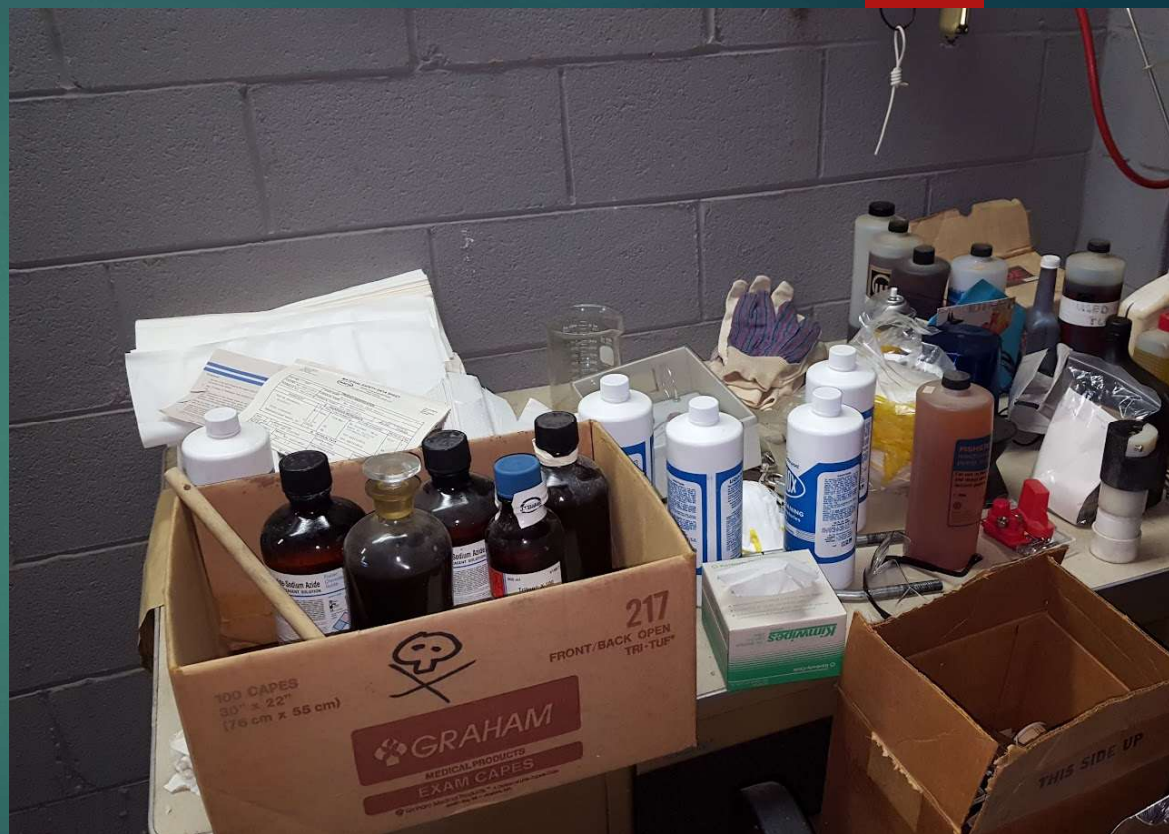
Unlabeled Container Examples

- ▶ Waste or product?
- ▶ Drum does not appear to be managed in a way that indicates it has value to the generator.
- ▶ It will be up to the generator to prove the container is not a waste.



Unlabeled Container Examples

- Waste or product?



Unlabeled Container Examples

- Waste or product?



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Used Oil and Universal Waste Accumulation

Used Oil

- ▶ Labeled “Used Oil”.
- ▶ “Waste Oil” is not valid.
- ▶ Container in good condition.
- ▶ Shipped to appropriate facility.

Universal Waste

- ▶ Labeled “Universal Waste _____”, “Waste _____”, or “Used _____”
- ▶ Closed container that fully enclose the waste.
- ▶ Not accumulated for greater than one year.
- ▶ Shipped to appropriate facility.



Universal Waste Examples

- ▶ Potential violation:
 - ▶ Lamps outside of boxes.
 - ▶ Lamps not completely enclosed in box.
 - ▶ No label.



Universal Waste Examples

- ▶ Potential violation:
 - ▶ Lamps outside of boxes.
 - ▶ No label.



Central Accumulation Area(s)

- Inspectors will be walking through the central accumulation area for the following:
 - Containers are labeled
 - Containers are dated
 - Containers are closed
 - Containers are in good condition/not leaking
 - Containers have not exceeded accumulation time limits
 - <180 days for SQG
 - <90 days for LQG
 - Adequate aisle space
 - Weekly inspections are performed



Central Accumulation Area Examples

- ▶ Words “Hazardous Waste”
- ▶ Indication of the hazards
- ▶ Accumulation start date
- ▶ Closed
- ▶ Not leaking



Central Accumulation Area Examples

- ▶ Potential violation:
 - ▶ No hazard indication
 - ▶ No accumulation start date
 - ▶ Open containers



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Central Accumulation Area Examples

- ▶ Potential violation:
 - ▶ Not enough aisle space. Drums in the back cannot be inspected.



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Central Accumulation Area Examples

- ▶ Potential violation:
 - ▶ No aisle space
 - ▶ No “hazardous waste”
 - ▶ No hazard indication
 - ▶ No accumulation start dates



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Central Accumulation Area Examples

- ▶ Potential violation:
 - ▶ No aisle space
 - ▶ No “hazardous waste”
 - ▶ No accumulation start dates



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Central Accumulation Area Examples

- ▶ Potential violation:
 - ▶ Open containers



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Documentation Review

Documentation

- Three years of manifests
- Central accumulation area inspection logs
- Preparedness and prevention
- Hazardous waste training
- Annual review of training (LQG)
- Contingency plans (LQG)
- Biennial report (LQG) & renotification (SQG)

Manifests

- Three years of manifests
 - Physical copies
 - RCRAinfo e-manifests

Central Accumulation Area Inspection Logs

- Inspection of central accumulation area must be performed weekly.
- Written log is not mandatory but encouraged.
- Should be inspecting for the following:
 - Hazardous waste labels
 - Accumulation start dates
 - Containers are closed
 - Containers are not leaking/in good condition
 - Aisle space is adequate
 - Incompatibles not accumulated together

Preparedness and Prevention

- Must make arrangements with responding agencies. Letters sent to:
 - Fire department
 - Police department
 - Local hospital of choice
- Letters should outline:
 - The overall site
 - The waste types on site
 - The hazards associated with the waste types
 - The quantities of waste
 - Emergency equipment

Preparedness and Prevention

- Equip facility with emergency equipment.
- Annual testing of emergency equipment such as fire extinguishers, sprinkler systems, etc.

Hazardous Waste Training

- All persons who could potentially handle hazardous waste or sign the manifest should be trained.
- Training should include:
 - Familiarization with the waste types generated at the site
 - How to properly handle the waste
 - Proper PPE usage
 - General knowledge of RCRA requirements
 - Emergency procedures

Contingency Plans

▶ Small Quantity Generator

- ▶ Site map.
- ▶ General evacuation plan.
- ▶ Emergency coordinator.
- ▶ Emergency phone numbers.

▶ Large Quantity Generator

- ▶ Site map.
- ▶ Evacuation plan.
- ▶ Emergency coordinator.
- ▶ List of emergency equipment with locations.
- ▶ Specific plan for response to fires, explosions, or releases.
- ▶ Responding agencies, contact info, and their roles in the event of an emergency.
- ▶ Quick reference guide
- ▶ Copy sent to responding agencies

Biennial Report/Renotification

▶ Small Quantity Generator

- ▶ Must renotify via RCRAinfo once every four years.

▶ Large Quantity Generator

- ▶ Biennial report submitted via RCRAinfo
- ▶ Submitted every even numbered year for wastes generated during an odd numbered year.

Violations

Most Common Violations

- Missing “hazardous waste” label or indication of the hazards.
- Missing accumulation start date.
- Containers on site longer than 90/180 days.
- Open containers
- Missing SQG renotification.

Guidance

NJDEP COMPLIANCE ASSISTANCE PACKET

<https://www.nj.gov/dep/enforcement/docs/compliance-assistance-packet-2020-v20-3.pdf>



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COMPLIANCE ASSISTANCE PACKET

FOR

HAZARDOUS WASTE GENERATORS



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