

Phone: 952-442-7520 Fax: 952-442-7521

Email: infoMN@safebuilt.com

## **DEMOLITION (Structures)**

- This handout is intended only as a guide. It shall not be considered a complete set of requirements.
- ➤ A permits is required for demolition of a building structure and/or interior building demolition work.
- If a new structure will be built immediately following the demolition of the old structure, all the work may be on one permit. The valuation of the demolition work should be included in the valuation of that permit.
- It is the responsibility of the owner and/or contractor to comply with the requirements and rules of all authorities and government agencies having jurisdiction. The permit applicant shall be responsible for contacting all of the proper State, County and Local authorities prior to beginning demolition. All asbestos and other prohibited materials shall be removed and disposed of in accordance with the rules and regulations established by the Minnesota Pollution Control Agency. The Department of Natural Resources, County Environmental Services Department, County or Local Watershed, Municipality Utilities and Public Works Directors are examples of agencies and/or authorities that may be involved in any given project, and a demolition permit issued by the Building Inspections Department shall not be construed as permission to proceed without approval from all appropriate agencies.
- Information from the Minnesota Pollution Control Agency is included at the end of this document for your convenience. Visit www.pca.state.mn.us for additional helpful information.

<u> </u>	rmit Submittal (if the project is demolition only) shall include:
	Building Permit Application, completed in its entirety, including signature and valuation.
	Checklist for Demolition Permit (included in this handout).
	ALL DOCUMENTATION listed in the Checklist that applies to your project MUST be included
	with the application. If the structure is regulated, you must submit a Notice of Intent to Perform a
	Demolition (attached) to the Minnesota Pollution Control Agency, and submit proof of this step with
	your Application. (Single family dwellings are generally exempt from this requirement.)
	PERMIT CARD AND APPROVED PLANS (throughout the project) shall be
<u>PC</u>	<b>DSTED</b> prior to start of work - <b>VISIBLE</b> from street or driveway - <b>ACCESSIBLE</b> to the inspector
	INSPECTION REQUIREMENTS:
Ins	spections MUST be scheduled during office hours AT LEAST one business day prior to inspection. If a
spe	ecific date and time is required, additional notice may be needed. Failure to cancel a scheduled
ins	spection may result in a reinspection fee.
	Office Hours: Monday - Friday • 8:00 a.m 4:30 p.m.
	Phone: (952) 442-7520 or (888) 446-1801
Ins	spections: (Refer to your permit card regarding project-specific inspections. If you have any questions
	garding the classification, removal, transport, or disposal of <b>asbestos</b> , or any questions regarding
	bestos rules, regulations, or standards, please contact the MPCA asbestos team at (651) 296-6300 or
	00) 657-3864. Information is also available at the MPCA website: www.pca.state.mn.us.)
,	Pre-demo: The following items must be checked and remain in place throughout the duration of the project:
O	□ Removal of all items listed in the Pre-Renovation/Demolition Environmental Checklist (attached)
	□ Traffic control □ Pedestrian protection □ Silt fence □ Dust control □ Utilities disconnected
	Owner/contractor must provide verification of proper clean-up and disposal of contaminated soils,
	and all abatement issues, and disconnects (see permit packet for requested documents).
0	<b>Empty hole:</b> After the structure has been removed, the "empty hole" is inspected to verify removal of
	all construction materials.
0	Final: After the demolition is complete, the following items are checked:
	□ Site is properly cleaned up and appropriately graded. □ Street is clean

Vegetation is restored, soil is stabilized, or sediment/erosion control measures are still in place.

# **Checklist for Demolition Permit**

(MUST be included when applying for permit)

Project Name:			: Date:	
Add	ress:		Municipality:	
Owr	ner's	Nam	e: Telephone Number:	
			Name:Telephone Number:anation of work to be performed:	
Yes  IF Y	ES:		Will the demolition work disturb <u>greater than one acre of land</u> ? Disturbed land includes: land used for stockpiling; land surrounding the structure that is to be demolished that will be altered during the final excavating work; the land where the removed structure was located; construction site entrance.  Separate Stormwater Pollution Prevention Plan (MPCA) and local MS4 requirements may apply. Sediment and erosion control practices must be maintained.	
			Have the following been submitted or completed?	
Yes	No		Completed permit application. Two sets of site plans verifying the location and size of structure(s) being demolished. Two sets of plans showing area of interior/exterior demo work. A written description of building demolition method. A written verification and/or site plan identifying the type of pedestrian protection being provided, including description of type, location and height of fencing to be used. A performance bond, letter of credit, escrow or securities in accordance with Municipality	
	policy.  A Demolition/Renovation Notification submitted to the Minnesota Pollution Control (Under Section 40 of the Code of Federal Regulations Part 61(M), if the structure i regulated, you must submit a Notice of Intent to Perform a Demolition. Single fam dwellings are generally exempt.)			
All utilities properly terminated. All wells properly abandoned in accordance with State Health Department regulary Septic tanks pumped and removed. Are there any underground storage tanks to be removed? All hazardous materials removed and disposed of in accordance with Minnesota Control Agency requirements. See the MPCA documents <i>Pre-Renovation/Dem Environmental Checklist</i> and <i>Pre-Renovation or Demolition Requirements</i> (attackmore information.				
Siar	ned:		Date:	



# Demolition/Renovation notification

**Asbestos Program** 

520 Lafayette Road North St. Paul, MN 55155-4194

Doc Type: Asbestos & Demolition/Amendments

Тур	e of notification	n: Origin	al Amended	Project	cancellation		
			r received ten (10) w tes should be amen				Item 5 for emergency nt project dates.
forn end asb	n to your computer of the form, or att estos.demolition.p	r and send the form to ca@state.mn.us	orm to the Minnesota an email message, u s. To submit the form	Pollution Con sing Demolition by paper copy	trol Agency (MPC n/Renovation not v, please mail to t	CA) by using the ification as the the Asbestos Pr	ectronically, save the e submit button at the subject line to rogram at the address rayson at 218-302-6627.
De	molition cont	tractor					
Nan	ne of firm or organ	ization:					
Mai	ling address:						
City	: <u> </u>			State:		Zip code:	
Cor	tact:		Phone:		Email:		
Bu	ilding owner						
	ling address:						
City	:			State:		Zip code:	
Cor	tact:		Phone:				
_							
	ilding inform						
Add	lress/Location:						
City	:			State:		Zip code:	
	tact:		Phone:				
Age	of building:	yrs Size	of building:	sq.ft.	Number of floo	rs, including ba	sement level(s):
Pre	sent use of buildin	g:					
Pric	r use of building:						
Dat	es of demolitio	n or intention	al burning	Start date:	/dd/yyyy	End date:	mm/dd/yyyy
facil asb	ity to be demolished estos abatement pro	I, it must be remo pject <u>http://www.p</u>	ated Asbestos Containi ved by a licensed asbe ca.state.mn.us/publica	ing Material (RA estos contractor tions/w-sw4-06	CM) exceeds 260 prior to demolition doc must be used	linear feet, 160 s . The State of MI	square feet, or 35 cubic feet in the N-Notice of intent to perform an
ls n	onfriable ACM pr	esent in the st	ructure to be demo	lished? 🔲 Y	es No		
Will		•	he structure at the t		_		
	If Yes to both que	estions above, c	omplete Items 1-9. If	No to either q	uestion, complete	e Items 3-9.	
1.			ate the amount of 0				
	Category I:		Linear feet	Catego	v II:	Linear	feet
			Square feet		,	Squar	
			Cubic feet			Cubic	
	Category I nonfri					means any mate	erial, excluding Category I
	containing packing and asphalt roofing						rcent Asbestos that, when dry, a powder by hand pressure.
	one percent asbes		ming more than				to remain in place for
	Category I nonfri			demolition	n if it has a high p	robability of be	coming crumbled, pulverized,
	remain in place for condition.	or demolition if	it is in poor		d to a powder dur ement, slate roofi		transport, or disposal (e.g.,
				i ansite, C	ement, state 10011	g/.	
wwv	v.pca.state.mn.us	• 651-296-630	00 • 800-657-3864	• Use yo	ur preferred relay	service • A	wailable in alternative formats
	v4-21 • 8/29/17						Page 1 of 2

	Description and location of ACM remaining in place (including number of floors and rooms):				
,	Company and/or individual that con-	dusted the build	ling increation and	the precedure used t	a datarmina the presence
Э.	or absence of ACM (including analytic				
	asbestos inspector who has been certi-				, ,
4.	Description of planned demolition a	nd the specific n	nethod(s) that will	be used:	
_	If the demolition was and and by a mark			<b>4</b> h	h a aanss of the and ans
5.	If the demolition was ordered by a g	_			
	Name:		Title:		
	Authority:				
	Date of order (mm/dd/yy):		Start date	(mm/dd/yy):	
	Notification for an emergency demolitic				
	following working day. A demolition is a and in danger of imminent collapse. If the second se				
	to contain any regulated ACM, special				
	regulations can be obtained by contact				
	additional information.				
6.	Description of procedure to be follow	wed in the event	that unexpected F	RACM is found or Cate	gory II nonfriable ACM
	becomes crumbled, pulverized or re	duced to powde	r:		
7.	Waste transporter information:				
	Transporter name:				
	Mailing address:				
	Mailing address:				
8.	Mailing address:  City:  Contact:  Permitted waste disposal site informations	Phone:ation: *see below	State: Ema	Zip code:	
	Mailing address:  City:  Contact:  Permitted waste disposal site information of the contact of t	Phone:ation: *see below	State: Ema	Zip code:	
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8.	Mailing address:  City: Contact: Permitted waste disposal site information address:  Mailing address: City: Contact: By typing my name below, I certify the demolition contractor or building own.	Phone: ation: *see below Phone: hat the above inver and have au	State: Email of the control of	Zip code:  Zip code:  Zip code:	representative of the
8. 9.	Mailing address:  City: Contact: Permitted waste disposal site information address:  Mailing address: City: Contact: By typing my name below, I certify the demolition contractor or building own.	Phone:	State: Email of the formation is correct thority to enter in Title: Date: Date: Email of the formation is correct thority to enter in Title: Date:	Zip code:  Zip code:  Zip code:  iii:  zip code:	representative of the employer.
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9.	Mailing address:  City:  Contact:  Permitted waste disposal site information and fill name:  Mailing address:  City:  Contact:  By typing my name below, I certify the demolition contractor or building own and print name:  (This document has been described by the contact of th	Phone:  Phone:  Phone:  Phone:  hat the above in where and have as electronically signed to the following rial or hazardous with the following rial or hazardou	State: Ema  for more information  State: Ema  formation is correct in the correct in	Zip code:    Zip code:   Zip c	representative of the employer.  mmencement of tion: mixed municipal solid containing elemental
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# Pre-Renovation/Demolition Environmental Checklist

**Asbestos Program** 

Doc Type: Compliance/Enforcement Correspondence

Minn. R. 7035.0805 requires that you remove the items below before starting a renovation or demolition project, and then manage and recycle or dispose of them correctly. This checklist is provided to help you manage the project and does not need to be submitted to the Minnesota Pollution Control Agency unless requested.

### Project Information

Name:Address:	Building name: Address/Location:						
City, State, Zip:		City, State, Zip:					
Contact name:		Age of bldg (yrs):		Size of bldg (sq ft):			
Phone number:		Present use of bld	Present use of bldg:				
Demolition contractor Name:	Prior use of bldg:	2					
Address:		Dates of renova	ation, d	emolition, or fire training burn:			
City, State, Zip:		Start date:		End date:			
Contact name: Phone number:		(mm.	/dd/yy)	(mm/dd/yy)			
Mercury	Qty		Qty		Qty		
Batteries	Firesta	ts:					
Smoke detectors:	Manon	neters:		Boiler insulation:			
Emergency lighting systems:	Therme	ometers:		HVAC duct insulation:			
Elevator control panels:	Boilers,	furnaces, heaters,		Ductwork flexible fabric			
Exit signs:	and tank	(S		connections:			
Security systems and alarms:	Mercur	y flame sensors by		Fireproofing materials:			
Lighting	pilot	lights:		Fire doors:			
Fluorescent lights:	Manon	neters, thermometers,		Flooring:			
High intensity discharge	gaug	jes:		Vinyl floor tile:			
Metal halide:	Pressu	ıre-trol:		Vinyl sheet flooring:			
High pressure sodium:	Float o	r level controls:		Asphalt tile:			
Mercury vapor:	Space	heater controls:		Linoleum paper backing:			
Neon:	Electrica	systems		Mastic/glue (floor tile, carpet, etc.)			
Switches for lighting using	Load m	neters & supply relays:		Electrical			
mercury relays (look for any	Phase	splitters:		Electrical panels:			
control associated with exterior	Micro r	elays:		Electrical wiring insulation:			
or automated lighting systems):	Mercur	y displacement relays:		Heating and electrical			
"Silent" wall switches:		Asbestos		ducts/conduit:			
Heating, ventilating, and	Boiler ro	ooms		Pipe and other insulation			
air conditioning systems	Boilers	s, furnaces, fireplaces,		Aircell (corrugated cardboard):			
Thermostats:	and	their components:		Millboard:			
Aquastats:	Cemer	nt sheets near heating		Preform:			
Pressurestats:	equipment:			Joint compound:			

Asbestos (continued)	Qty		Qty		Qty
Spray applied insulation:		ChloroFluoroCarbons		Lead-acid batteries (lighting, exit	
Blown-in insulation:		Fire extinguishers (both portable		signs, security systems):	
Block:		and installed halon suppression		Lead flashing molds and	
Surfacing materials		systems):		roof vents:	
Acoustical plaster:		Air conditioners (rooftop, room,		Lead pipes and solder:	
Decorative plaster:		and central):		Lead-lined X-ray rooms:	
Textured paints & coatings:		Walk in coolers (refrigeration			
Spray-applied materials		or cold storage areas):		Other	
(acoustical, decorative, or insulative):		Water fountains and		Solid waste (all non-building	
Roofing		dehumidifiers:		components such as unattached	
Roofing shingles:		Refrigerators/freezers/chillers:		carpet, files, books, trash, desks,	
Roofing felt:		Heat pumps:		chairs, etc.) must be removed	
Base flashing:		Vending machines/food		prior to demolition:	
Cement materials (Transite)		display cases:		Hazardous waste (including	
Cement pipes (flues & vents):				household) must be properly	
Cement wallboard:		Poly-Chlorinated		handled and disposed of prior	
Cement siding:		BiPhenyls (PCBs)		to demolition:	
Pegboard:		Transformers:		Oil (used oil, hydraulic oils in door	
Ceiling materials		Transistors:		closers, elevator shafts, etc.)	
Ceiling titles:		Capacitors:		must be collected and properly	
Ceiling tile adhesives (pucks):		Heat transfer equipment:		disposed of prior to demolition:	
Lay-in ceiling panels:		Light ballasts:		Tanks (no evidence of former	
Acoustical tiles:				heating tanks or storage tanks	
Miscellaneous		Lead		exist):	
Taping, joint, and spackling		Lead-based paint (woodwork,		Appliances must be recycled	
compound:		metal equipment, interior/		by an appliance recycler:	
Caulking/putties:		exterior uses):		Electronics:	
Fire curtains and blankets:					
Laboratory hoods, table					
tops, gloves, etc.:					
Gaskets:					
If you have questions or comments individual project, contact the Minne				found in this list, or would like to disc 300-657-3864.	uss an
Affiliation with project:			Title: _		
Printed name:		Date:			

## **Important Note:**

This guidance document is not intended as a substitute for reading Minnesota Rules and Statutes and making your own independent determination of their applicability to your renovation/demolition project. Examples in this guidance document do not represent an exhaustive listing of type of materials that may be required to be removed from a building prior to renovation/demolition.



## Pre-renovation or demolition requirements

## Scope of this guidance

In Minnesota, hazardous and other problem wastes must be removed from a structure before it is renovated or demolished. The removed wastes must be managed properly through recycling or disposal. This fact sheet provides guidance in identifying hazardous and problem wastes and determining their proper disposal, but does not supersede any state or federal regulatory requirements applicable to a renovation or demolition project.

The Minnesota Pollution Control Agency's (MPCA) pre-renovation or demolition requirements apply to all structures in Minnesota, including residential, agricultural, governmental, commercial, and industrial structures. Note that there is no exemption from these requirements in Minnesota for farm buildings.

In addition to the Minnesota requirements, certain buildings built before 1978 may also be subject to federal requirements under the Repair, Renovation, and Painting Rule (RRP) of the U.S. Environmental Protection Agency (EPA). For more information on the RRP, visit the EPA at <a href="http://www.epa.gov">http://www.epa.gov</a>.

## **Burning structures**

In Minnesota, it is illegal for anyone to intentionally burn any structure, including a farm building. The only exception to this prohibition is for legitimate firefighter training. A legitimate firefighter training burn must include a prepared curriculum, specific training objectives, and documented post-training assessment. Burning a structure for disposal is not legitimate training. All of the pre-demolition requirements, including an asbestos survey and abatement, must be followed and a specific fire training burn permit obtained from the Minnesota Department of Natural Resources (DNR) prior to a legitimate firefighter training burn. For more information, contact the DNR as listed at the end of this fact sheet.

### **Notification**

If you are going to renovate, demolish, or burn for legitimate fire training any structure regulated under the Federal National Emission Standard for Hazardous Air Pollutants (NESHAP) for asbestos, notify the MPCA at least ten working days prior to the start of the work. This NESHAP is found at 40 Code of Federal Regulations, Part 61, Subpart M. In general, all structures in Minnesota are regulated under this NESHAP except for residences having four dwelling units or less.

*Note* - Residential units may remain NESHAP-regulated under the following conditions: if they were converted from prior regulated uses regardless of the number of units; the demolition of multiple structures owned by the same party; or the demolition of any number of houses as part of an urban renewal project, a highway construction project; or a project to develop a shopping mall, industrial facility, or other commercial development.

Remember that whether subject to the NESHAP or not, asbestos work in structures may still be regulated under Minnesota Department of Health (MDH) requirements. For more information, contact the MDH as listed at the end of this fact sheet.

- For a renovation and for MDH-regulated work, notify the MPCA and MDH by submitting MPCA form #w-sw4-06, Notification of Asbestos Work, at <a href="http://www.pca.state.mn.us/publications/w-sw4-06.pdf">http://www.pca.state.mn.us/publications/w-sw4-06.pdf</a>.
- For a demolition or legitimate training burn, notify the MPCA by submitting MPCA form #w-sw4-21, <u>Notification of Intent to Perform a Demolition</u>, at http://www.pca.state.mn.us/publications/w-sw4-21.pdf.

Minnesota Pollution Control Agency 651-296-6300 | 800-657-3864 | TTY 651-282-5332 or 800-657-3864 December 2013 | w-sw4-07 Available in alternative formats

## Common wastes that must be removed before demolition

Type of waste	More information
Appliances; such as air conditioners and furnaces.	See MPCA hazardous waste fact sheet #w-hw3-02, Recycling Appliances, at http://www.pca.state.mn.us/publications/w-hw3-02.pdf.
Asbestos; such as pipe lagging and furnace flues. *If any asbestos-containing material (ACM) is left in place in the portion of structure to be demolished, then all resulting debris must be managed and disposed as ACM.	See MPCA webpage #482, Asbestos Program, at http://www.pca.state.mn.us/tchy7f7.
<b>Electronics;</b> such as smoke alarms and home entertainment systems.	See MPCA hazardous waste fact sheet #w-hw4-15,  Managing Electronic Wastes, at  http://www.pca.state.mn.us/publications/w-hw4-15.pdf.
<b>Environmental and safety system controls;</b> such as thermostats and manometers.	See MPCA hazardous waste fact sheet #w-hw4-62, <u>Managing Universal Wastes</u> , at <u>http://www.pca.state.mn.us/publications/w-hw4-62.pdf</u> .
Hazardous waste; such as lawn chemicals and paints.	See MPCA hazardous waste fact sheet #w-hw3-12,  Managing Waste from Residential Properties, at  http://www.pca.state.mn.us/publications/w-hw3-12.pdf.
Lead-containing items; such as pipes and roof flashing.  *Lead paint may remain on the structure.	See MPCA hazardous waste fact sheet #w-hw4-23, <u>Lead Paint Disposal</u> , at <u>http://www.pca.state.mn.us/publications/w-hw4-23.pdf</u> .
<b>Lighting components;</b> such as fluorescent/HID lamps and ballasts.	See MPCA hazardous waste fact sheet #w-hw4-62, <u>Managing Universal Wastes</u> , at <u>http://www.pca.state.mn.us/publications/w-hw4-62.pdf</u> .
Oils; such as fuel oil and hydraulic fluids.	See MPCA hazardous waste fact sheet #w-hw4-30, <u>Used Oil and Related Wastes</u> , at <a href="http://www.pca.state.mn.us/publications/w-hw4-30.pdf">http://www.pca.state.mn.us/publications/w-hw4-30.pdf</a> .
<b>Refrigerants and halons;</b> such as chillers and halon fire extinguishing equipment.	See MPCA webpage #62, Chlorofluorocarbons (CFCs), at http://www.pca.state.mn.us/yhiz4b8.
<b>Solid wastes;</b> such as furniture and window treatments.	
Submersible well pumps, which may contain polychlorinated biphenyls (PCBs) or mercury.	Search for MDH publication #141-0434, 'Sealing Unused Wells', at <a href="http://www.health.state.mn.us/">http://www.health.state.mn.us/</a> .
Any other wastes not acceptable at a disposal facility; such as radioactive or infectious wastes.	

### Wastes that do not need to be removed before demolition

You do not need to test paint for lead or remove suspected or known lead paint from a structure if you are going to demolish the structure or if it will be burned for a legitimate firefighter training burn.

You also do not need to test caulking or paints for polychlorinated biphenyls (PCBs) or remove suspected or known PCB caulking or paint if you are going to demolish the structure. If the structure will be burned for firefighter training, however, the caulking and other sealants must be tested for PCBs and any PCB-containing caulking removed prior to the burn.

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For more information on PCBs in caulking or paints, see MPCA hazardous waste fact sheet #w-hw4-48k, Managing Sealants and Coatings Containing PCBs, at http://www.pca.state.mn.us/publications/w-hw4-48k.pdf.

### Timeframes for removal

Remove all the wastes above and any other wastes which would be required to be removed at least two days before the intended renovation or demolition date.

However, if due to accidental or emergency circumstances that were beyond the control of the structure owner it is unsafe or unfeasible to remove all of these wastes prior to the renovation or demolition work, then you may complete the work, but must identify and remove all of these wastes from the debris prior to disposal. Note that identifying and removing hazardous and problem wastes from debris is frequently much more difficult and expensive than removing them before demolition.

Examples of accidental or emergency circumstances when this deferral could be allowed may include:

- · declaration by a government entity that the structure is unsafe to enter;
- damage or partial destruction of the structure by accidental fire;
- discovery after demolition or renovation has already started of previously unknown hazardous or problem wastes which could not reasonably have been identified beforehand.

### More information

Guidance and requirements in this fact sheet were compiled from Minn. R. Chapters 7035 and 7045, and incorporate regulatory interpretation decisions made by the MPCA on July 3, 2013. Visit the Office of the Revisor of Statutes at <a href="https://www.revisor.mn.gov/pubs">https://www.revisor.mn.gov/pubs</a> to review the Minnesota Rules directly.

The MPCA has staff available to answer your waste management questions. For more information, contact your nearest MPCA solid waste staff. For information about waste and toxicity reduction, contact the Minnesota Technical Assistance Program (MnTAP).

#### Minnesota Pollution Control Agency

Toll free (all offices)	1-800-657-3864
Brainerd	218-828-2492
Detroit Lakes	218-847-1519
Duluth	218-723-4660
Mankato	507-389-5977
Marshall	507-537-7146
Rochester	507-285-7343
St. Paul	651-296-6300
Willmar	320-214-3786
Websitehttp://ww	ww.pca.state.mn.us

#### Small Business Environmental Assistance

Toll free	1-800-657-3938
Metro	651-282-6143
Website http://www.pca	a.state.mn.us/sbeap/

#### Minnesota Technical Assistance Program

Toll free	1-800-247-0015
Metro	612-624-1300
Websitehttp://www	v.mntap.umn.edu

### **Minnesota Department of Natural Resources**

Toll free	1-888-646-6367
Metro	651-296-6157
Websitehttp://ww	vw.dnr.state.mn.us/

#### Minnesota Department of Health

Toll free	1-888-345-0823
Metro	651-201-4620
Website http://www.health.state.mn.us/	

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