



City of North Little Rock
Parks and Recreation Department

Model Rocket
Authorization Permit Application

Office Use Only

Date Rec'd: _____

☐ Approved _____

☐ Denied _____

Submission of this application does not guarantee approval. If approved, this permit will allow you to schedule a launch date and time. The approved permit will be valid for the applicant and immediate family members - applicant must be on-site at each launch. Completed application (all four pages) must be submitted to Special Projects Division either in person or by mail "Special Projects Division, c/o NLR Parks and Recreation, 2700 Willow Street, North Little Rock, AR 72114" or fax to 501-791-8528 or email to jcaplinger@nlr.ar.gov .

CONTACT INFORMATION

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone 1: (____)____-____ x____ Phone 2: (____)____-____ x____

Email: _____

Aged 18 or older? ☐ No ☐ Yes (A valid Driver's License may be required to validate age)

Immediate Family Members that may be involved and list if Older or Under 18:

MODEL ROCKET EXPERIENCE

How long have you been involved with model rocketry?

☐ < 1 year (just getting involved) ☐ 1-3 years ☐ 4-6 years ☐ 7-10 years ☐ >10 years

Describe the type of model rockets you use (store bought, homemade, etc.): _____

List any rocketry clubs, organizations, or associations you are a member of or involved with: _____

AGREEMENTS

By signing and initialing the following, I agree that I have read, understood, and will abide by the conditions of this permit.

_____ Liability Waiver

_____ Insurance

_____ NAR Safety Code

_____ NFPA #1122

_____ NLRPR Guidelines

_____ Launch Permits

Signature

Date

LIABILITY and RELEASE WAIVER

It is understood that the North Little Rock Parks and Recreation Department (NLRPR) does not provide medical insurance covering injuries of any nature incurred during recreational programs at NLRPR facilities or during the transportation of participants to and from activities or special events. The undersigned hereby releases the NLRPR, its successors, assigned officers, agents and employees from any and all claims, demands and causes of action whatsoever in any way growing or resulting from participation in the program. All participants should be covered by their own insurance.

Applicant's Signature _____ *Date* _____

INSURANCE

I understand I will be held financially responsible for the repair, clean-up, loss incurred by the Department and/or adjacent private property owner caused by my use, launching, and recovery of my model rocket(s). I understand I must carry insurance for this purpose.

Applicant's Signature _____ *Date* _____

NATIONAL FIRE PROTECTION ASSOCIATION STANDARD #1122

I understand this Code for Model Rocketry applies to the design, construction, limitation of propellant mass and power, and reliability of model rocket motors and model rocket motor reloading kits and their components, for use by the public for purposes of education, recreation, and sporting competition.

Applicant's Signature _____ *Date* _____

NATIONAL ASSOCIATION of ROCKETRY SAFETY CODE

As of November 7, 2014 at <http://www.nar.org/safety-information/model-rocket-safety-code>

1. Materials. I will use only lightweight, non-metal parts for the nose, body, and fins of my rocket.
2. Motors. I will use only certified, commercially-made model rocket motors, and will not tamper with these motors or use them for any purposes except those recommended by the manufacturer.
3. Ignition System. I will launch my rockets with an electrical launch system and electrical motor igniters. My launch system will have a safety interlock in series with the launch switch, and will use a launch switch that returns to the "off" position when released.
4. Misfires. If my rocket does not launch when I press the button of my electrical launch system, I will remove the launcher's safety interlock or disconnect its battery, and will wait 60 seconds after the last launch attempt before allowing anyone to approach the rocket.
5. Launch Safety. I will use a countdown before launch, and will ensure that everyone is paying attention and is a safe distance of at least 15 feet away when I launch rockets with "D" motors or smaller, and thirty (30) feet when I launch larger rockets. If I am uncertain about the safety or stability of an untested rocket, I will check the stability before flight and will fly it only after warning spectators and clearing them away to a safe distance. When conducting a simultaneous launch of more than ten (10) rockets I will observe a safe distance of 1.5 times the maximum expected altitude of any launched rocket.
6. Launcher. I will launch my rocket from a launch rod, tower, or rail that is pointed to within thirty (30) degrees of the vertical to ensure that the rocket flies nearly straight up, and I will use a blast deflector to prevent the motor's exhaust from hitting the ground. To prevent accidental eye

Parks and Recreation Department
Model Rocket Authorization Permit Application (Continued)

injury, I will place launchers so that the end of the launch rod is above eye level or will cap the end of the rod when it is not in use.

7. Size. My model rocket will not weigh more than 1,500 grams (53 ounces) at liftoff and will not contain more than 125 grams (4.4 ounces) of propellant or 320 N-sec (71.9 pound-seconds) of total impulse.
8. Flight Safety. I will not launch my rocket at targets, into clouds, or near airplanes, and will not put any flammable or explosive payload in my rocket.
9. Launch Site. I will launch my rocket outdoors, in an open area at least as large as shown in the accompanying table, and in safe weather conditions with wind speeds no greater than 20 miles per hour. I will ensure that there is no dry grass close to the launch pad, and that the launch site does not present risk of grass fires.

Installed Total Impulse (N-sec)	Equivalent Motor Type	Minimum Site Dimensions (ft.)
0.00–1.25	1/4A, 1/2A	50
1.26–2.50	A	100
2.51–5.00	B	200
5.01–10.00	C	400

10. Recovery System. I will use a recovery system such as a streamer or parachute in my rocket so that it returns safely and undamaged and can be flown again, and I will use only flame-resistant or fireproof recovery system wadding in my rocket.
11. Recovery Safety. I will not attempt to recover my rocket from power lines, tall trees, or other dangerous places.

Applicant's Signature _____ Date _____

PARKS and RECREATION GUIDELINES and CONDITIONS

NOTE: If any of the following guidelines differ from the NAR Safety Code, the following guidelines and conditions prevail.

Launch Conditions:

- An approved Individual Launch Permit will be required to be on-hand during each scheduled launch.
- Permit holder must have the means and ability to extinguish a fire. A minimum of five (5) gallons of water or fire extinguisher is preferred.
- Scheduled launches may be revoked or restricted without notice based on but is not limited to area rescheduled for soccer, maintenance, burn ban, weather conditions, etc.
- A blast deflector or pad must be used under the rocket to prevent damage to the area beneath the launch pad.
- Permit holder will be responsible for ensuring the safety of the park and other park users and controlling access to the launch site.

Rocket Motor/Engine Size:

- Only engine/motor sizes "C" and smaller will be permitted to individuals.
- Engine/Motor sizes "G" and smaller may be permitted through the Special Event process (application and fees may apply).

Parks and Recreation Department
Model Rocket Authorization Permit Application (Continued)

Rocket Recovery:

- Rockets should be recovered within two (2) hours of its launch.
- If rocket is unable to be recovered, notice must be given to the Special Projects Division by the next business day.
- Climbing on city structures, trees, equipment, etc. is not permitted.
- Recovery of a rocket from private property adjacent to the launch site cannot be approved or authorized by the Department.

Other Conditions:

- Permit holder understands the boundaries and ownership of and around the launch sites. Each site on the map is 500' in diameter using the Cricket pitch as the center.



- The Launch Site must be left as clean and litter-free as it was found or better.

Applicant's Signature _____ *Date* _____

LAUNCH PERMITS

Individual Launch Permits will be issued to Model Rocket Authorization Permit holders with the following minimum conditions:

- Launch requests must be made in writing either by fax, mail, or email.
- Model rocket launches will only be permitted on weekdays (Monday - Friday) during daylight hours and for specific times that are not in conflict with other park activities.
- A separate Permit must be requested for each launch date.
- There will be no charge for an Individual Launch Permit.
- Permit holder should contact Field Reservations the day of their scheduled launch to determine if there have been schedule changes.
- Understand the Department has the authority to revoke or restrict an approved Model Rocket Launch Permit at its discretion. This may include, but is not limited to area rescheduled for soccer, maintenance, burn ban, weather conditions, etc. without notice. The Department will attempt to contact the Individual Launch Permit holder prior to the scheduled launch date.
- Follow guidelines and requirements agreed to in the Model Rocket Authorization Permit.

Group Launch Permits will be issued to Model Rocket Authorization Permit holders upon approval of a Special Event Application.

Applicant's Signature _____ *Date* _____