



FP-002  
(Rev. 1.1.2015)

*The Commonwealth of Massachusetts*  
*City/Town of* Natick

## License

Massachusetts General Law, Chapter 148 §13

☒ New License ☐ Amended License

After notice and hearing, and in accordance with Chapter 148 of the Mass. General Laws,  
a license is hereby granted to use the land herein described for the purposes described.

Location of Land: 3 Huron Drive Parcel ID 08-0000001M

Owner of Land: 3 Huron Investments, LLC, RWH Realty  
Number, Street and Assessor's Map and Parcel ID

Address of Land Owner: 321 Commonwealth Road, #202, Wayland, MA 01778

GIS Coordinates

LAT.

LONG.

License Number

### **Flammable and Combustible Liquids, Flammable Gases and Solids**

*Complete this section for the storage of flammable and combustible liquids, solids, and gases. All tanks and containers are considered full for the purposes of licensing and permitting. (Attach additional pages if necessary.)*

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, cubic feet	CONTAINER UST, AST, IBC, drums
Magnesium Metal	Solid	375 lbs.		Fire-proof Cabinet

### **LP-gas** *(Complete this section for the storage of LP-gas or propane)*

- ❖ Maximum quantity (in gallons) of LP-gas to be stored in aboveground containers: \_\_\_\_\_  
List sizes and capacities of all aboveground containers used for storage \_\_\_\_\_
- ❖ Maximum quantity (in gallons) of LP-gas to be stored in underground containers: \_\_\_\_\_  
List sizes and capacities of all underground containers used for storage \_\_\_\_\_
- Total aggregate quantity of all LP-gas to be stored: \_\_\_\_\_

### **Fireworks** *(Complete this section for the storage of fireworks)*

- ❖ Maximum amount (in pounds) of Class 1.3G: \_\_\_\_\_
- ❖ Maximum amount (in pounds) of Class 1.4G: \_\_\_\_\_
- ❖ Maximum amount (in pounds) of Class 1.4: \_\_\_\_\_
- Total aggregate quantity of all classes of fireworks to be stored: \_\_\_\_\_

**THIS LICENSE OR A CERTIFIED COPY THEREOF MUST BE CONSPICUOUSLY  
POSTED ON THE LAND FOR WHICH IT IS GRANTED.**

**Explosives** *(Complete this section for the storage of explosives)*

- |  |   |
|--|---|
| ❖ Maximum amount (in pounds) of Class <b>1.1</b> : _____ | Number of magazines used for storage: _____ |
| ❖ Maximum amount (in pounds) of Class <b>1.2</b> : _____ | Number of magazines used for storage: _____ |
| ❖ Maximum amount (in pounds) of Class <b>1.3</b> : _____ | Number of magazines used for storage: _____ |
| ❖ Maximum amount (in pounds) of Class <b>1.4</b> : _____ | Number of magazines used for storage: _____ |
| ❖ Maximum amount (in pounds) of Class <b>1.5</b> : _____ | Number of magazines used for storage: _____ |
| ❖ Maximum amount (in pounds) of Class <b>1.6</b> : _____ | Number of magazines used for storage: _____ |

**Licensing Authority Use:**

This license is granted upon the condition that the licensed activity will comply with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts General Law, Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00) as amended. The license holder may not store materials in an amount exceeding the capacities herein specified unless and until any amended license has been granted.

**ADDITIONAL RESTRICTIONS:**

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_____	Chairman, Board of Selectmen	September 18, 2017
Signature of Licensing Authority	Title	Date

**THIS LICENSE OR A CERTIFIED COPY THEREOF MUST BE CONSPICUOUSLY  
POSTED ON THE LAND FOR WHICH IT IS GRANTED.**

Shellie@infiniummetals.com

----- Forwarded message -----

From: **Adam Powell** <[apowell@infiniummetals.com](mailto:apowell@infiniummetals.com)>

Date: Wed, Jun 7, 2017 at 10:07 AM

Subject: Re: Magnesium storage license

To: [Selectmen@natickma.org](mailto:Selectmen@natickma.org), Matt Earlam <[mearam@infiniummetals.com](mailto:mearam@infiniummetals.com)>

Greetings,

I am attaching a completed Massachusetts Flammables License Application, with the signature of Natick Fire Chief Richard White. This is for INFINIUM's application to store up to 375 lbs of magnesium metal at our facility at 3 Huron Drive.

I am also attaching parcel information and a supplemental document describing our work with magnesium metal.

I understand that the next steps in this process are a public hearing and notification of abutters. Please let me know how to move forward with those next steps, whether you need the application hard copy, whether there is a fee associated with this license application, and any other information I should know about this process.

Sincerely,  
Adam Powell

On Wed, Mar 29, 2017 at 5:06 PM, Adam Powell <[apowell@infiniummetals.com](mailto:apowell@infiniummetals.com)> wrote:

Greetings,

I am writing to find out how to apply for a license to store magnesium metal, a flammable solid, above the 100 lb threshold which requires a license. I am attaching a completed license application, along with building information, and a one-page description of our company's magnesium operations and safety program.

On your website, the page on licenses at <http://www.natickma.gov/522/Licenses-Fees> does not mention a fee for this type of license. Is there a fee?

I understand that this type of license requires a public hearing. How do we go about working with you to schedule such a hearing?

I look forward to working with you.

Sincerely,  
Adam Powell

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Adam C. Powell, IV Ph.D.  
[apowell@infiniummetals.com](mailto:apowell@infiniummetals.com)  
(781) 898-3430  
3 Huron Dr.  
Natick, MA 01760-1314

RECEIVED

AUG 31 2017

BOARD OF SELECTMEN  
NATICK, MA



*The Commonwealth of Massachusetts*  
*City/Town of* Natick

**Application For License**

Massachusetts General Law, Chapter 148 §13

☒ New License    ☐ Amended License

GIS Coordinates

LAT. \_\_\_\_\_

LONG. \_\_\_\_\_

License Number \_\_\_\_\_

Application is hereby made in accordance with the provisions of Chapter 148 of the General Laws of Massachusetts for a license to store flammables, combustibles or explosives on land in buildings or structures herein described.

Location of Land: 3 Huron Drive, Parcel ID 08-0000001M

Number, Street and Assessor's Map and Parcel ID

Attach a plot plan of the property indicating the location of property lines and all buildings or structures.

Owner of Land: 3 Huron Investments LLC, RWH Realty

Address of Land Owner: 321 Commonwealth Rd. #202, Wayland, MA 01778

Use and Occupancy of Buildings and Structures: Light Industrial

If this is an application for amendment of an existing license, indicate date of original license and any subsequent amendments

Attach a copy of the current license

**Flammable and Combustible Liquids, Flammable Gases and Solids**

*Complete this section for the storage of flammable and combustible liquids, solids, and gases; see 527 CMR 1.00 Table 1.12.8.50; Attach additional pages if needed. All tanks and containers are considered full for the purposes of licensing and permitting.*

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, cubic feet	CONTAINER UST, AST, IBC, drums
Magnesium metal	Solid	375 lbs		Fire-proof cabinets

Total quantity of all flammable liquids to be stored: \_\_\_\_\_

Total quantity of all combustible liquids to be stored: \_\_\_\_\_

Total quantity of all flammable gases to be stored: \_\_\_\_\_

Total quantity of all flammable solids to be stored: 375 lbs

**LP-gas** (Complete this section for the storage of LP-gas or propane)

Indicate the maximum quantity of LP-gas to be stored and the sizes and capacities of all storage containers.  
(See 527 CMR 1.00 Table 1.12.8.50)

- ❖ Maximum quantity (in gallons) of LP-gas to be stored in aboveground containers: \_\_\_\_\_

List sizes and capacities of all aboveground containers used for storage: \_\_\_\_\_

- ❖ Maximum quantity (in gallons) of LP-gas to be stored in underground containers: \_\_\_\_\_

List sizes and capacities of all underground containers used for storage: \_\_\_\_\_

Total aggregate quantity of all LP-gas to be stored: \_\_\_\_\_

**Fireworks** (Complete this section for the storage of fireworks)

Indicate classes of fireworks to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

- ❖ Maximum amount (in pounds) of Class 1.3G: \_\_\_\_\_ Type/class of magazine used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.4G: \_\_\_\_\_ Type/class of magazine used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.4: \_\_\_\_\_ Type/class of magazine used for storage: \_\_\_\_\_

Total aggregate quantity of all classes of fireworks to be stored: \_\_\_\_\_

**Explosives** (Complete this section for the storage of explosives)

Indicate classes of explosive to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

- ❖ Maximum amount (in pounds) of Class 1.1: \_\_\_\_\_ Number of magazines used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.2: \_\_\_\_\_ Number of magazines used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.3: \_\_\_\_\_ Number of magazines used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.4: \_\_\_\_\_ Number of magazines used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.5: \_\_\_\_\_ Number of magazines used for storage: \_\_\_\_\_

- ❖ Maximum amount (in pounds) of Class 1.6: \_\_\_\_\_ Number of magazines used for storage: \_\_\_\_\_

I, Adam C. Powell, IV, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

Signature [Signature] Date March 29, 2017 Name Adam C. Powell, IV

**Fire Department Use Only**

I, RICHARD A. WHITE, Head of the NATICK Fire Department endorse this application with my

☒ Approval ☐ Disapproval

[Signature]  
Signature of Head of the Fire Department

6-6-17  
Date

Recommendations: \_\_\_\_\_

## **Magnesium Storage Permit and License Application Supplement**

INFINIUM, Inc. 3 Huron Drive, Natick, Massachusetts

Adam Powell, INFINIUM Safety Officer

INFINIUM produces small quantities of rare earth metals (mainly Nd, Pr, and Dy-Fe alloy) and magnesium-rare earth (Mg-RE) alloys in high temperature (1000°C) closed top furnaces. Raw materials are generally oxides, such as magnesium oxide (MgO) and neodymium oxide (Nd<sub>2</sub>O<sub>3</sub>). Mg-RE alloys are at most 60% magnesium by weight, and usually about 50% magnesium by weight. The Company is also starting experiments for a new magnesium alloy recycling process. In all cases, maximum production or recycling rate is below 10 kg/day = 22 lbs/day.

Production vessel capacity is below 6 gallons. In July 2015, the Company obtained a Category 2 Hazardous Process permit from the Natick Fire Department (allowing up to 60 gallon vessels) when capacity first exceeded the 2.5 gallon Category 1 limit as specified by 527 CMR 33.03. In July 2016 the Company renewed this permit for an additional year.

INFINIUM has stored on site less than 100 lbs of magnesium, or of Mg-RE alloy (magnesium basis), as specified by 527 CMR 14.03 (2) Table 1. Magnesium and its alloys are stored mainly as >1 lb = 0.45 kg ingots and parts in closed steel drums, with a small amount in >1 oz = 28 g lumps. We do not store magnesium scrap material or fines on site, to comply with NFPA 484 Section 9.8.1.5.8 which prohibits such material in automatic sprinklered buildings like this.

In order to move forward with process development for magnesium-rare earth alloy production and magnesium recycling, INFINIUM is seeking a **Permit from the Natick Fire Department and a License from the Town of Natick to store up to 375 lbs of magnesium** and its alloys on a magnesium basis at 3 Huron Dr., as required by Massachusetts State Building Code Table 307.1. This is the maximum quantity of magnesium allowed in this type of building. When all approvals are finalized, we plan to store this material in fire-proof cabinets.

### **INFINIUM, Inc. Safety Program**

The Company has a safety program in compliance with OSHA, EPA and Department of Transportation regulations. Since starting operations in January 2010, there have been zero lost-time incidents. Components of this safety program include:

- Policies, procedures, and enforcement mechanisms covering HAZCOM/GHS, Lock-Out/Tag-Out, Personal Protective Equipment, and Respiratory Protection.
- Annual training for all employees, and for new employees within 30 days of starting.
- Daily walk-through facility inspection reports by a rotating team of employees.
- Monthly company-wide safety meetings, and weekly company-wide safety updates.
- OSHA incident reporting (zero lost-time incidents in the Company's history).
- Incipient fire suppression equipment and training, including Class D metal extinguishers.
- A close relationship with the Natick Fire Department, including visits by crews to learn about hazards at our site, and an Emergency Response Plan on file.

Town of Natick

Commercial Property Record Card

FY 2017

PARCEL: 08-0000001M STATE\_CLASS: 400

LOCATION: 3 HURON DR

ASSESSMENT: \$1,902,900

NEIGHBORHOOD: 402

OWNER\_NAME\_1: 3 HURON INVESTMENTS LLC

OWNER\_NAME\_2: RWH REALTY

OWNER\_NAME\_3:

MAILING ADDRESS: 321 COMMONWEALTH RD #202

MAILING CITY: WAYLAND , MA 01778

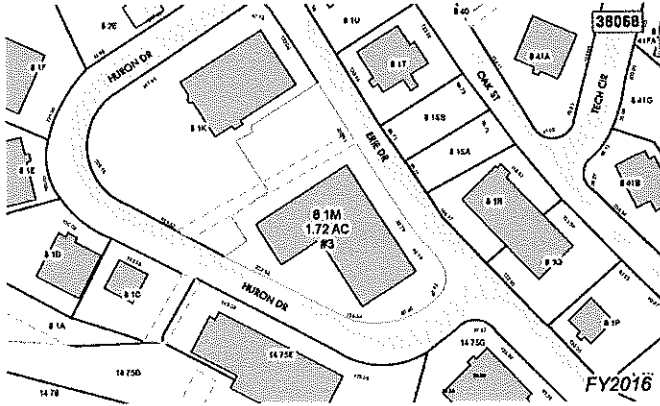
ZONING: IND 1 :

DEED\_BOOK: LC1319

DEED\_PAGE: 00130

DEED\_DATE: 20060511

TOTAL\_ACRES: 1.718



38068

Town of Natick

Commercial Property Record Card

**INCOME APPROACH - MARKET DATA**

POTENTIAL\_GROSS\_INCOME: \$258,476

VACANCY: 20.00%

EFFECTIVE\_GROSS\_INCOME: \$206,781

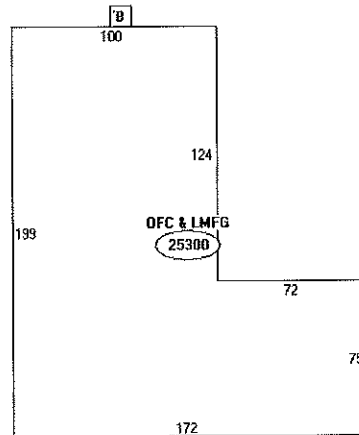
TOTAL\_EXPENSES: \$51,695

NET\_OPERATING\_INCOME: \$155,086

CAP\_RATE: 8.15

INCOME VALUE: \$1,902,900

BUILDING AREA: 25,300



**Descriptor/Area**

A: OFC & LMFG  
25300 sqft

B: LDDK  
100 sqft



## **TOWN OF NATICK Massachusetts 01760**

### **TOWN OF NATICK**

### **NOTICE OF PUBLIC HEARING**

Notice is hereby given pursuant to Massachusetts General Laws, Chapter 148, as amended, that a public hearing will be held in the Natick Town Hall, 13 East Central Street, Natick, Massachusetts on Monday, September 18, 2017 at 7:00 pm, upon the application of Infinium, Inc. for a license to store 375 lbs. of magnesium metal on the property located at 13 Huron Drive, Natick, Massachusetts in accordance with the rules and regulations adopted under said Chapter.

Richard P. Jennett, Jr., Clerk



SEPTEMBER 1, 2017

[illegible]