



IOWA DEPARTMENT OF NATURAL RESOURCES

Waste Tire Processing

PERMIT APPLICATION FORM 50T



Applications for a waste tire processing facility must be accompanied by the plans, specifications and additional information required by the applicable solid waste rules under Iowa Administrative Code 567 Chapter 117.

▼ CASHIERS USE ONLY ▼

0098-542-TIRE-0630

INTERNAL SOURCE: 1220

Facility Name

Permit #

Send completed applications with attached information to:

Solid Waste Section
Land Quality Bureau
Iowa Department of Natural Resources
502 East 9th Street
Des Moines, IA 50319

For questions concerning this application please contact the Department at (515) 729-4616.

☐ **New Permit:** The applicant shall attach the annual permit fee of \$850 with this form.

☒ **Permit Renewal** 31 -WTM- 02 - 21P -PRT: The permittee shall pay the fee due annually, by July 1st.

☐ **Permit Amendment**

SECTION 1. CONTACT INFORMATION

Facility Information

Name: Nelson Tire Recycling LLC Phone Number: 941-356-0242

Street Address: 116 Industrial St SE

City: Cascade State: Iowa Zip Code: 52033

Fax: _____

Responsible Official

Name: - Same - Phone Number: _____

Street Address: _____

City: _____ State: _____ Zip Code: _____

Fax: _____ Email: _____

Facility Operator

Name: Richard Nelson Phone Number: 941-356-0242

Street Address: 709 2nd St NE Lot 40

City: Dyersville State: Iowa Zip Code: 52040

Fax: _____ Email: Nelson Tire Recycling@gmail.com

Site Legal Description

____ ¼ of ____ ¼ of ____ ¼ _____ N _____ E _____ W _____
Section Township Range County

Facility Owner/Address

Name: Peak Communities / Nelson Tire Phone Number: 941-782-7036
Street Address: 6412 Granada Island Ave
City: Apollo Beach State: Florida Zip Code: 33572
Fax: _____ Email: _____

Design Engineer (PE)/Address (if any)

Name: _____ License Number: _____
Street Address: _____
City: _____ State: _____ Zip Code: _____
Fax: _____ Phone Number: _____ Email: _____

SECTION 2. SITE INFORMATION

Days and hours of operation of the facility: _____ Open to the Public? ☒ Yes ☐ No

Monday - Friday 7am - 4pm

Describe general processing equipment type/purpose:

Tire cutter and Grinder for making-Mulch
semi tire cutter for semi rings for Farmers
Big tire cutter to cut Big tires up for landfill
Mobil tire Grinder for going to landfills to Grind there tires.

Describe hourly processing capacity of equipment in tires/tons of material: (include copies of manufacturer specification, if available)

we average 700-800 tires a Day
cutter of small and Big tires for Rubber mulch or
landfill

Describe types of processed material to be produced:

Rubber mulch
Tire Rings
Rubber chunks

SECTION 3. PERMIT APPLICATION CHECKLIST

Checking the appropriate boxes below certifies that the documents submitted in conjunction with this application form are complete and in compliance with the applicable chapters of the Iowa Administrative Code. While some of the documents below may have been submitted previously, updated copies of each is required to be provided with each permit renewal application. One (1) copy of each document shall be submitted. If an application is found by the department to be incomplete, it may be denied and returned to the applicant.

Required Documents

- ☐ Section A. Executive Summary (permit renewals only)
 - Summary of modifications, if any, to the facility that occurred during the current permit cycle.
 - Summary of each special provision of the current permit to determine if it is to remain the same, be revised, or be removed.
 - Summary of each permit amendment, if any, that occurred during the current permit cycle to determine if it shall be included with the renewed permit, be revised, or be removed.
 - Provide documentation and certification as required for new permit amendment requests and new variance requests from Iowa Administrative Code, if any.
- ☒ Section B. Site Map or Aerial Photograph [IAC 567 117.6(1)"i"(4)]
- ☒ Section C. Proof of Ownership/Local Zoning Requirements [IAC 567 102.12(9)]
- ☐ Section D. Storm Water Discharge Requirements. [IAC 567 64.3(455B)]
 - Document compliance with state and federal storm water discharge requirements by contacting the Department at (515) 725-8417 or <http://www.iowadnr.gov/Environmental-Protection/Water-Quality/NPDES-Storm-Water>
- ☐ Section E. Organizational Chart [IAC 567 102.12(5)]
- ☐ Section F. Market Demand Justification [IAC 567 117.6(4)"e"]
- ☒ Section G. Site Design Plan [IAC 567 117.6(2)]
- ☒ Section H. Site Operation Plan [IAC 567 117.6(3) - IAC 567 117.6(6)]
- ☒ Section I. Emergency Response and Remedial Action Plan [IAC 567 117.6(1)"i"(6)]
- ☒ Section J. Site Closure Plan [IAC 567 117.6(1)"i"(5)]
- ☒ Section K. Proof of Financial Assurance and Closure Cost Estimate [IAC 567 117.6(1)"i"(8)]
- ☒ Appendix. Applicant Permit Fee [IAC 567 117.6(1)"i"(7)]
 - Processing permits shall have an annual fee of \$850, payable to the Iowa Department of Natural Resources upon application for a permit, and due annually beginning each July 1 thereafter. *Has Been Paid*

SECTION 4. APPLICANT CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

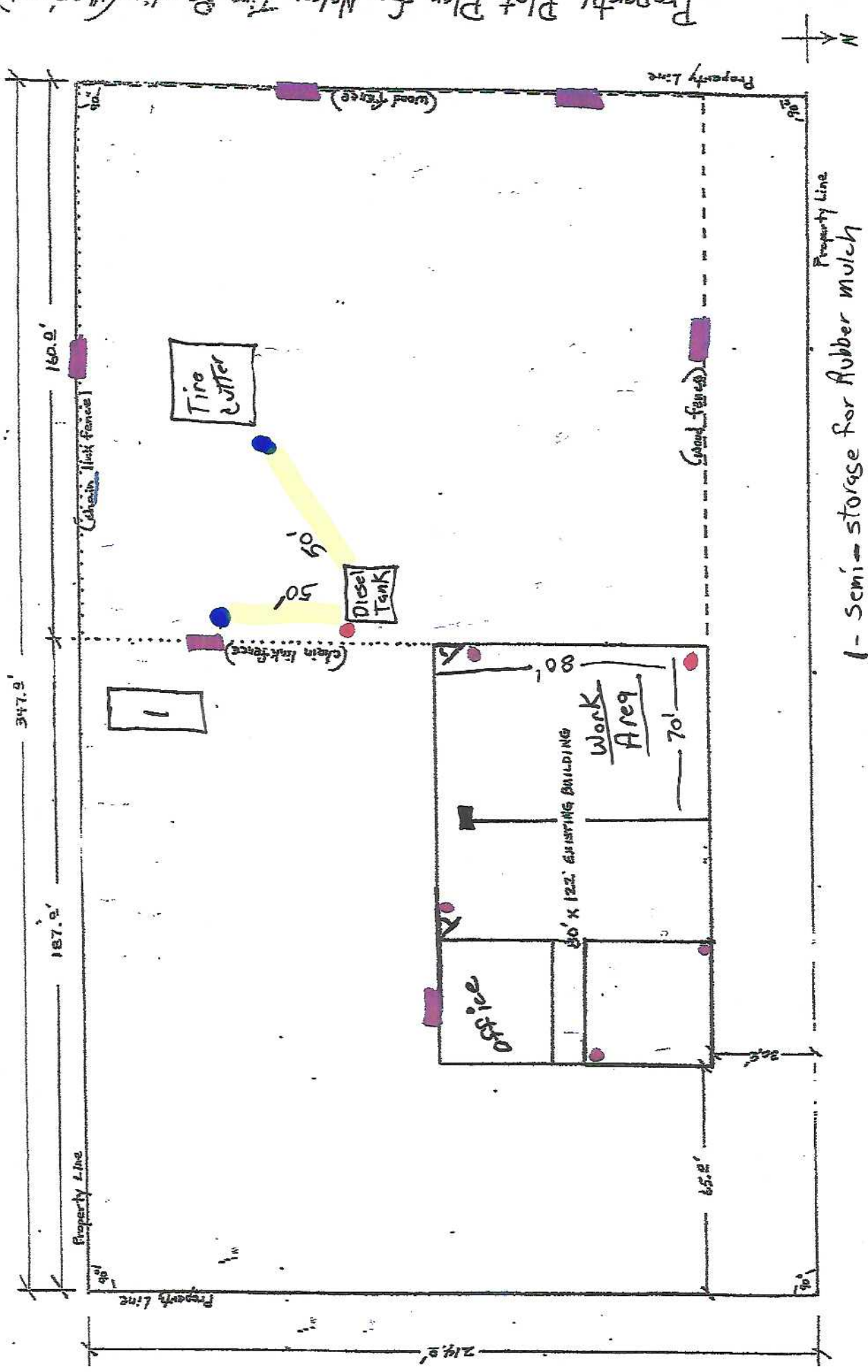
I further certify that the construction and operation of the above described facility will be in accordance with the plans, specifications, reports, and related communications accepted by the Iowa Department of Natural Resources and on file in its office; and in accordance with conditions imposed in the permit issued by the Iowa Department of Natural Resources.

Signature: Richard Nelson Date: 10-1-23
Printed Name: Richard Nelson Title: Owner

SECTION B-G-H Site Map/SiteDesign/Operation



Property Plot Plan for Nelson Tire Recycling (1"=25' scale)



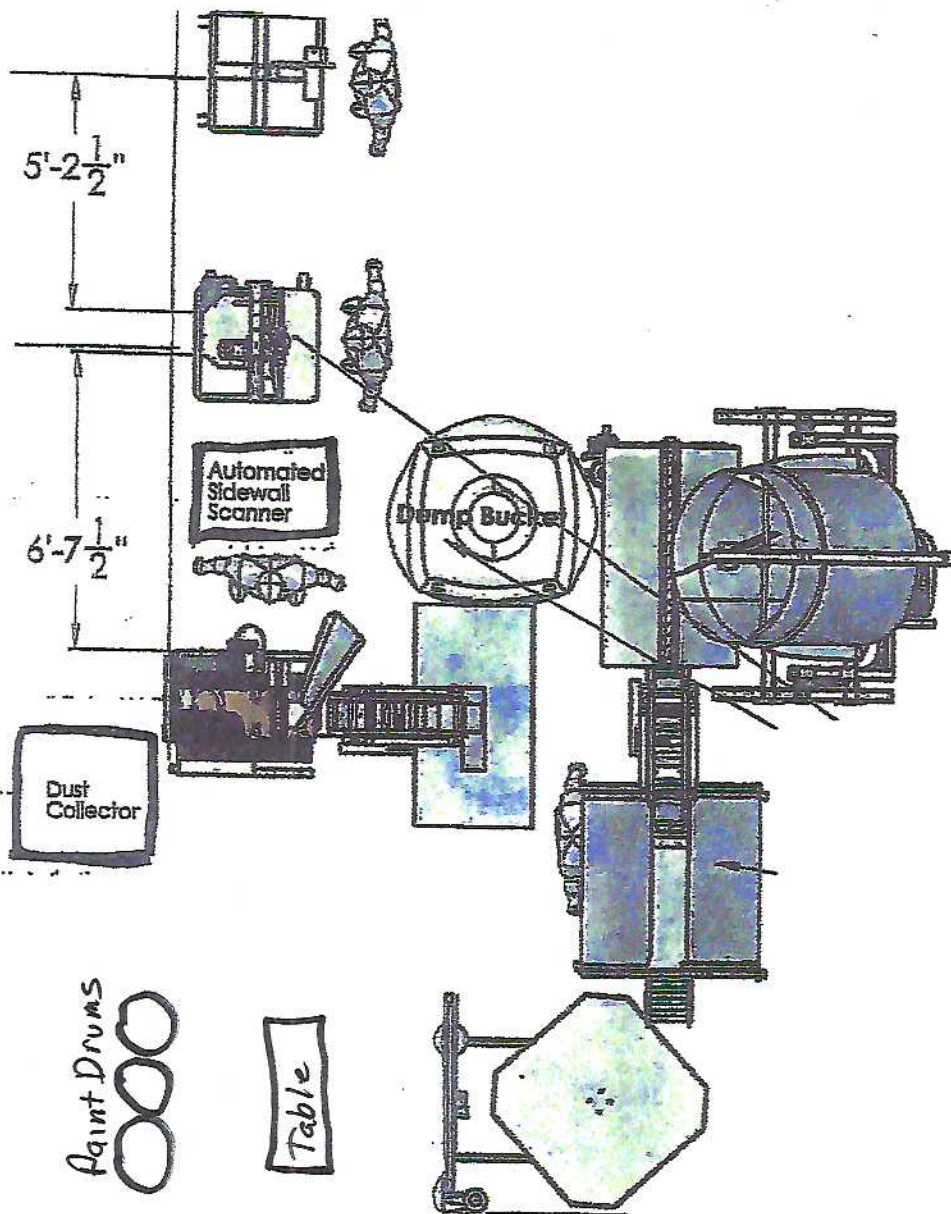
1- Semi-storage for Rubber mulch

- X- RED squares are for No Burning and Highly Flammable Signs
- X- RED circles are for FIRE EXTINGUISHERS





← 70' →



↑ 80' ↓



Pallet mulch

Pallet mulch

Bag mulch

WALL HEIGHT

20

Y-1

80

Mulch machine's

Weather Shelter

125

OPEN W/D
STRG MEZZ
RESTROOM

ENCL STRG
MEZZ
OFFICE

Exit - signs + Doors

Fire extinguishers

SECTION I. - Emergency Response and Action Plan

Done ✓

Authorized Ansul Distributor



Serving Iowa, Wisconsin, & Illinois

Derek Fellenzer

1170 Roosevelt Ext.
Dubuque, IA 52001

Ph 563-582-6258
Fax 563-582-8686
Toll Free 877-877-6707

DBQfireEquipment@aol.com
www.DBQfire.net

Cascade Fire Department Preplan

Name of Business Smart Communications

Street Address 116 Industrial Street Southeast

Inspection Date

P.O. Box N/ABusiness Phone 941-356-0242

Manager Phone 941-356-0242

Property Owner Randy Nelson

Phone 941-782-7036

Owner Address 6417 Grenada Island Ave Apollo Beach, Florida 33572

Emergency Contact #1 Richard Nelson

Phone 941-356-0242

Emergency Contact #2 Jan Ehlinger

Phone 563-590-6987

Violations

Violation/Location	Frequency	Severity	Notes
1. No seat belt use	15	High	Observed at 10:15 AM, Highway 101, Santa Monica
2. Running red light	8	High	Observed at 11:30 AM, Highway 101, Santa Monica
3. Illegal U-turn	3	Medium	Observed at 12:45 PM, Highway 101, Santa Monica
4. No turn signal	12	Low	Observed at 1:15 PM, Highway 101, Santa Monica
5. Driving on shoulder	2	High	Observed at 2:30 PM, Highway 101, Santa Monica
6. Excessive speeding	10	High	Observed at 3:45 PM, Highway 101, Santa Monica
7. No license	1	High	Observed at 4:15 PM, Highway 101, Santa Monica
8. No insurance	1	High	Observed at 4:45 PM, Highway 101, Santa Monica
9. No registration	1	High	Observed at 5:15 PM, Highway 101, Santa Monica
10. No valid license	1	High	Observed at 5:45 PM, Highway 101, Santa Monica
11. No valid insurance	1	High	Observed at 6:15 PM, Highway 101, Santa Monica
12. No valid registration	1	High	Observed at 6:45 PM, Highway 101, Santa Monica
13. No valid license	1	High	Observed at 7:15 PM, Highway 101, Santa Monica
14. No valid insurance	1	High	Observed at 7:45 PM, Highway 101, Santa Monica
15. No valid registration	1	High	Observed at 8:15 PM, Highway 101, Santa Monica
16. No valid license	1	High	Observed at 8:45 PM, Highway 101, Santa Monica
17. No valid insurance	1	High	Observed at 9:15 PM, Highway 101, Santa Monica
18. No valid registration	1	High	Observed at 9:45 PM, Highway 101, Santa Monica
19. No valid license	1	High	Observed at 10:15 PM, Highway 101, Santa Monica
20. No valid insurance	1	High	Observed at 10:45 PM, Highway 101, Santa Monica
21. No valid registration	1	High	Observed at 11:15 PM, Highway 101, Santa Monica
22. No valid license	1	High	Observed at 11:45 PM, Highway 101, Santa Monica
23. No valid insurance	1	High	Observed at 12:15 AM, Highway 101, Santa Monica
24. No valid registration	1	High	Observed at 12:45 AM, Highway 101, Santa Monica
25. No valid license	1	High	Observed at 1:15 AM, Highway 101, Santa Monica
26. No valid insurance	1	High	Observed at 1:45 AM, Highway 101, Santa Monica
27. No valid registration	1	High	Observed at 2:15 AM, Highway 101, Santa Monica
28. No valid license	1	High	Observed at 2:45 AM, Highway 101, Santa Monica
29. No valid insurance	1	High	Observed at 3:15 AM, Highway 101, Santa Monica
30. No valid registration	1	High	Observed at 3:45 AM, Highway 101, Santa Monica
31. No valid license	1	High	Observed at 4:15 AM, Highway 101, Santa Monica
32. No valid insurance	1	High	Observed at 4:45 AM, Highway 101, Santa Monica
33. No valid registration	1	High	Observed at 5:15 AM, Highway 101, Santa Monica
34. No valid license	1	High	Observed at 5:45 AM, Highway 101, Santa Monica
35. No valid insurance	1	High	Observed at 6:15 AM, Highway 101, Santa Monica
36. No valid registration	1	High	Observed at 6:45 AM, Highway 101, Santa Monica
37. No valid license	1	High	Observed at 7:15 AM, Highway 101, Santa Monica
38. No valid insurance	1	High	Observed at 7:45 AM, Highway 101, Santa Monica
39. No valid registration	1	High	Observed at 8:15 AM, Highway 101, Santa Monica
40. No valid license	1	High	Observed at 8:45 AM, Highway 101, Santa Monica
41. No valid insurance	1	High	Observed at 9:15 AM, Highway 101, Santa Monica
42. No valid registration	1	High	Observed at 9:45 AM, Highway 101, Santa Monica
43. No valid license	1	High	Observed at 10:15 AM, Highway 101, Santa Monica
44. No valid insurance	1	High	Observed at 10:45 AM, Highway 101, Santa Monica
45. No valid registration	1	High	Observed at 11:15 AM, Highway 101, Santa Monica
46. No valid license	1	High	Observed at 11:45 AM, Highway 101, Santa Monica
47. No valid insurance	1	High	Observed at 12:15 PM, Highway 101, Santa Monica
48. No valid registration	1	High	Observed at 12:45 PM, Highway 101, Santa Monica
49. No valid license	1	High	Observed at 1:15 PM, Highway 101, Santa Monica
50. No valid insurance	1	High	Observed at 1:45 PM, Highway 101, Santa Monica
51. No valid registration	1	High	Observed at 2:15 PM, Highway 101, Santa Monica
52. No valid license	1	High	Observed at 2:45 PM, Highway 101, Santa Monica
53. No valid insurance	1	High	Observed at 3:15 PM, Highway 101, Santa Monica
54. No valid registration	1	High	Observed at 3:45 PM, Highway 101, Santa Monica
55. No valid license	1	High	Observed at 4:15 PM, Highway 101, Santa Monica
56. No valid insurance	1	High	Observed at 4:45 PM, Highway 101, Santa Monica
57. No valid registration	1	High	Observed at 5:15 PM, Highway 101, Santa Monica
58. No valid license	1	High	Observed at 5:45 PM, Highway 101, Santa Monica
59. No valid insurance	1	High	Observed at 6:15 PM, Highway 101, Santa Monica
60. No valid registration	1	High	Observed at 6:45 PM, Highway 101, Santa Monica
61. No valid license	1	High	Observed at 7:15 PM, Highway 101, Santa Monica
62. No valid insurance	1	High	Observed at 7:45 PM, Highway 101, Santa Monica
63. No valid registration	1	High	Observed at 8:15 PM, Highway 101, Santa Monica
64. No valid license	1	High	Observed at 8:45 PM, Highway 101, Santa Monica
65. No valid insurance	1	High	Observed at 9:15 PM, Highway 101, Santa Monica
66. No valid registration	1	High	Observed at 9:45 PM, Highway 101, Santa Monica
67. No valid license	1	High	Observed at 10:15 PM, Highway 101, Santa Monica
68. No valid insurance	1	High	Observed at 10:45 PM, Highway 101, Santa Monica
69. No valid registration	1	High	Observed at 11:15 PM, Highway 101, Santa Monica
70. No valid license	1	High	Observed at 11:45 PM, Highway 101, Santa Monica
71. No valid insurance	1	High	Observed at 12:15 AM,

Date Corrected

Comments Once tire shredder is installed Cascade Fire personnel will follow up to inspect the equipment for hazards that we need to be aware of.

Fire Preplan

Type of Complex	Steel
-----------------	-------

Standpipe Size

Gas (Fuel Shutoff)	North side
--------------------	------------

Ground Floor Area 10000

Detectors	In office
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
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100	100

Water Shutoff Northwest

Type of Heat	Gas in floor And Zone electric
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Last Inspection

Weather Shelter location

Pit in middle of building

Special Systems

Electrical Shutoff	Yes North Wall
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Stories

Power Source

Sprinkler Shutoff N/A

Year

N/A

Disconnection Location N/A

Alarm Location N/A

Basement Entry Location N/A

Hydrant Yes

Location Northeast corner

Main Size 12"

Confined Space	N/A
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Location N/A

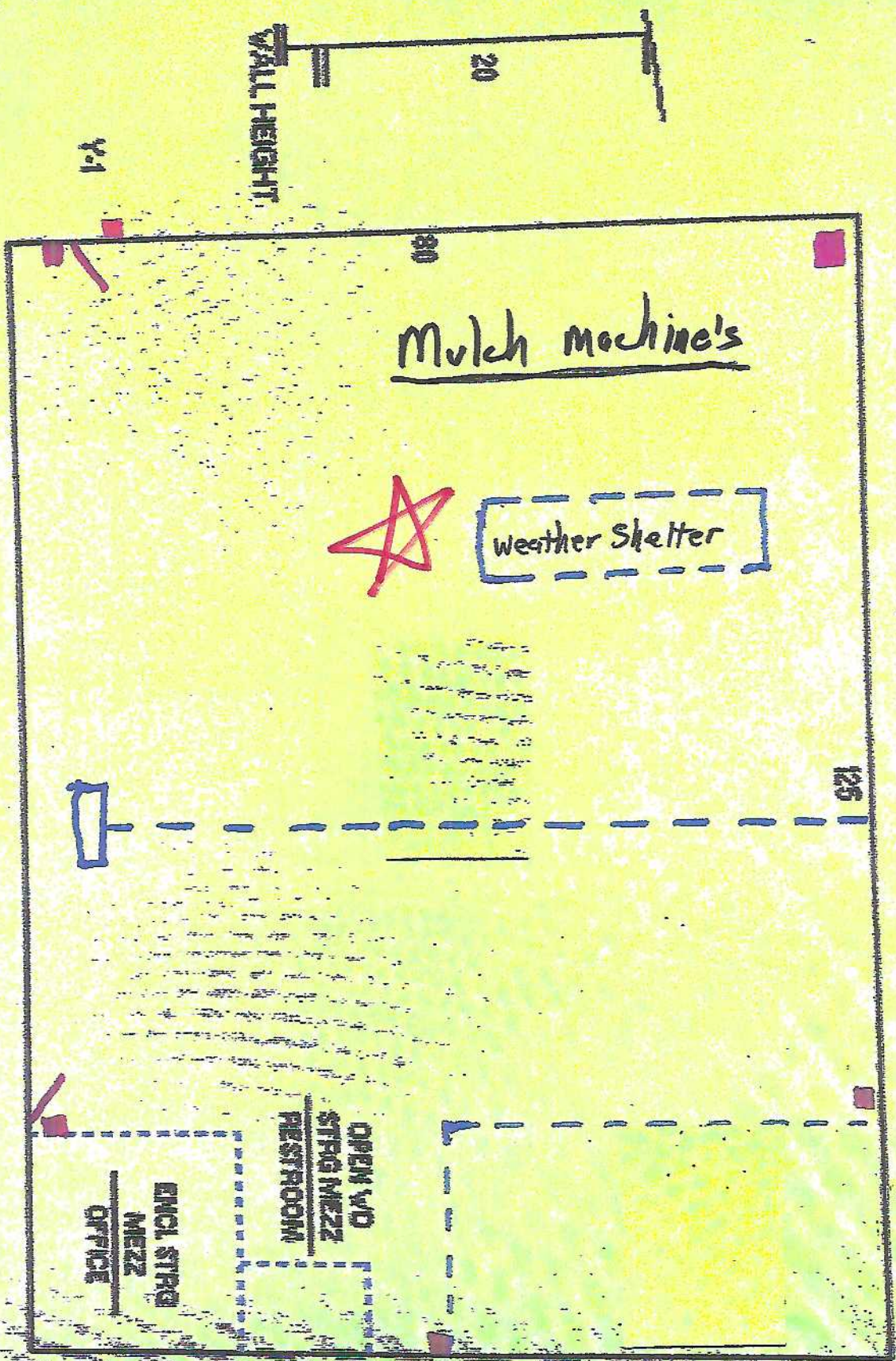
Numbers N/A

Other Hazards

Inspectors Denny Green (chief)

Cody Koppes (1st

Andy Green (2nd Lieutenant)



WALL HEIGHT

20

80

Mulch machine's

Weather Shelter

125

OPEN W/D
STRG MEZZ
RESTROOM

ENCL STRG
MEZZ
OFFICE

Exit - signs + Doors

Fire extinguishers



1170 Roosevelt St Extension
PO Box 595
Dubuque, IA 52001

Nelson Tire Recycling
116 Industrial St.
Cascade IA 52033



Invoice # 186950

Invoice Date 11/15/2023

Nelson Tire Recycling
116 Industrial St.
Cascade IA 52033

Dubuque Office Phone: (563) 582-6258

Monroe Office Phone: (608) 325-9473

Email: invoicing@dubuquefire.com

Toll Free: (877) 877-6707

Fax: (563) 582-8686

Visit our website at www.dbqfire.net

Terms	P.O. No.	W.O. #	Rep	Date of Service
NET 30		167855	JKOPP	11/13/2023
Item	Description	Qty	Rate	Amount
40-SRVSPFE	Service Stored Pressure Fire Extinguisher And Certify (Includes Seals, Tags, Cleaning Of Extinguisher & Electronic Record Keeping)	3	7.50	22.50T
40-6YRMNT	6 Year Internal Teardown Maintenance And Inspection	3	13.20	39.60T
40-RCHDC10	Recharge 10# Dry Chemical Fire Extinguisher	2	36.50	73.00T
40-RCHDC05	Recharge 5# Dry Chemical Fire Extinguisher	1	25.50	25.50T
10-VLVKITE..	Valve Kit, Extinguisher	3	16.30	48.90T
HAZ/SSV	Hazardous Materials / Fuel	1	15.00	15.00

*Recharge & check
Fire Extinguishers
11-15-23*

Thank you for choosing Dubuque Fire Equipment, Inc.

Your business is greatly appreciated.

Service charge on Past Due balances: 1.5% per month
or 18% annum will be assessed to all past due accounts

Please visit our website at www.dbqfire.net Thank
You!



Subtotal \$224.50

Sales Tax (7.0%) \$14.67

Payments/Credits \$0.00

Balance Due \$239.17

Payment Due by

12/15/2023

From: no-reply@smart911.com

To: nelsontirerecycling@gmail.com

Subject: Welcome to Smart911



Smart911™

Welcome to Smart911, Richard Nelson

We thank you for taking a proactive role in the safety of yourself and your loved ones. You have better equipped first responders to help you in any emergency.



Please check that you added everything you want first responders to know about you and your household in case of an emergency.

Did you miss anything?



Household

People /



Medical Info



Addresses



Phones



Emergency Contacts



Animals



Vehicles

Spread the Word.



People / Household

Richard Nelson - nelsontirerecycling@gmail.com

Male - March, 1967

[Edit Basic Info Richard Nelson](#) | [Edit Details and Medical Info for Richard Nelson](#) | [Remove Richard Nelson](#)

Addresses

116 Industrial st se Cascade IA 52033

Office / Commercial

[Edit Basic Info for 116 Industrial st se](#) | [Edit Details for 116 Industrial st se](#) | [Remove 116 Industrial st se](#)

Phones

941 356-0242 (Mobile)

[Edit 9413560242](#) | [Remove 9413560242](#)

Emergency Contacts

Jan Ehlinger

563 590-6987 (Mobile)

[Edit Jan Ehlinger](#) | [Remove Jan Ehlinger](#)

Randy Nelson

941 782-7036 (Mobile)

[Edit Randy Nelson](#) | [Remove Randy Nelson](#)

Preferred Providers

You have not yet listed any Preferred Providers. These can include your specific air ambulance, ground ambulance, and hospital choices.

[Add one now](#)

Vehicles

2015 GMC Denali

[Edit 2015 GMC Denali](#) | [Remove 2015 GMC Denali](#)

2009 Sterling Semi Semi

[Edit 2009 Sterling Semi Semi](#) | [Remove 2009 Sterling Semi Semi](#)

Animals

You have not added any Animals.

[Add now](#)



Preferences

You are currently opted into:



Sharing your profile to support emergency preparedness.



Sharing your profile when you dial 9-1-1.

87

01W

Map Location as Submitted via Online Application

Map

Latitude: 42.30605

Longitude: -90.99197



X : -90.976798 Y: 42.305651

Latitude: 42.30605
Longitude: -90.99197

X Coord: 666006
Y Coord: 4685362

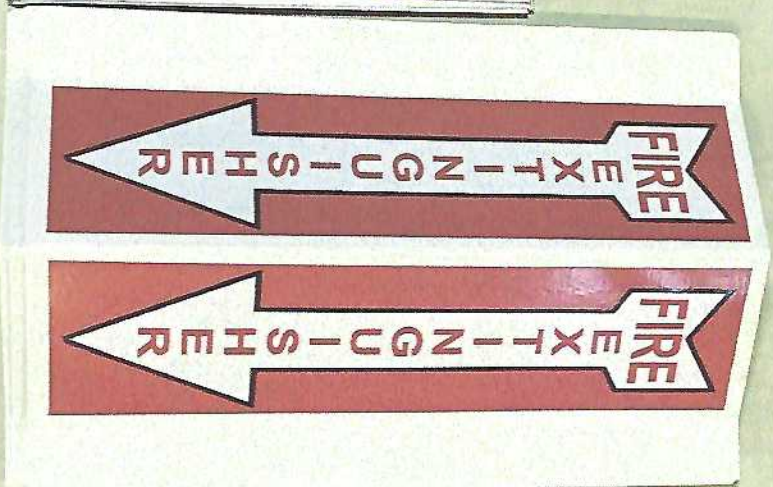
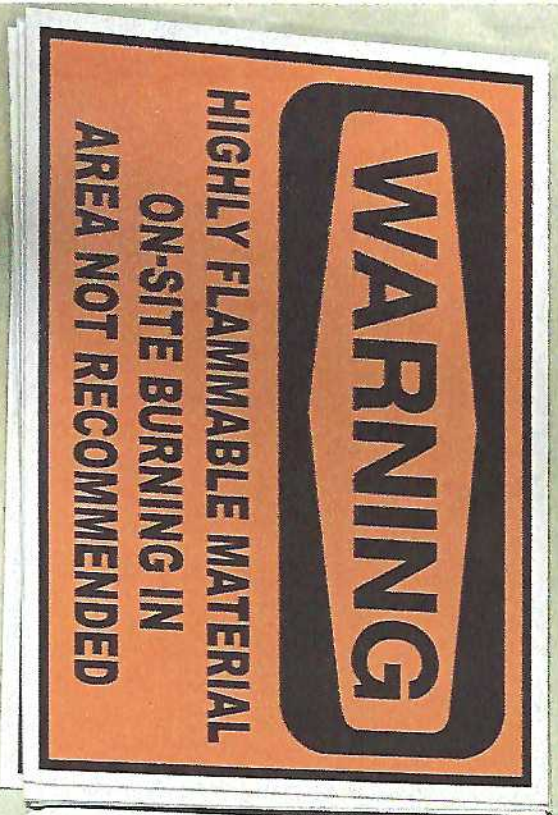
Zone:

Multiple QSTR Location Info (DNR Input)

Edit	QtrSec	Section	Township	Range	Range Dir
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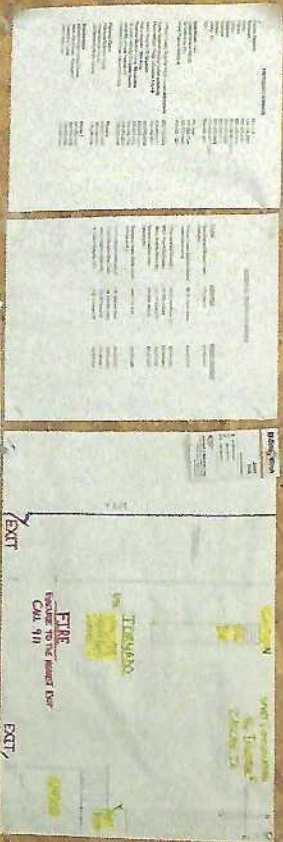
<https://programs.iowadnr.gov/stormwater/pages/facility.aspx?permitID=49153>

Off site Signs



Personnel on Site - Signs







SECTION F. Market Demand Justification

From: Jon Fischer

To: nelsontirerecycling@gmail.com

Subject: RE: Semi side walls

Hi Richard,

Very nice speaking with you yesterday. My company has been servicing the farming and traffic industry for over 25 years. Our primary focus is supplying tire sidewalls like the ones you mentioned and will be producing. We move approximately 250 tractor trailer loads a year (1800 rings per load), and would be very interested in working with you as soon as you are able to produce. Our demand is higher then our supply, and we can purchase all the sidewalls you have the capacity to manufacture.

Please feel free to reach out to me anytime, and we look forward to working with you for many years to come.

Best regards,

Jon

Marvin Meyers & Associates

PROTECTING YOUR SILAGE INVESTMENT

JONATHAN FISCHER

President

Tel 1-888-623-8209 Ext: 230

Mobile 514-824-0440

Fax 1-888-623-8206

Email jon@marvinmeyers.com

www.tiresidewalls.com

From: nelsontirerecycling@gmail.com <nelsontirerecycling@gmail.com>

To: Jon Fischer <jon@marvinmeyers.com>

Subject: Semi side walls



Nelson Tire Recycling

116 Industrial st se
Cascade, IA 52033

941-356-0242

nelsontirerecycling@gmail.com

FB@ Nelson Tire Recycling



The Demand for Rubber Mulch
has increased a lot for landscaping
and public schools for playgrounds.

SECTION D—Storm Water Discharge Requirements

From: Gelner, Christopher
Sent: Wednesday, November 8, 2023 11:21 AM
To: nelsontirerecycling@gmail.com
Subject: Stormwater

Richard,

Thanks for the call today to discuss stormwater permit applicability. As we discussed, I believe your facility would fall under standard industrial classification (sic) number 5093. Facilities classified under this sic code are required to either obtain a General Permit #1 or obtain a No Exposure Certification. Based on your description of the products being processed at your facility I believe Nelson Tire would qualify for the No Exposure exemption. I have attached the template for a No Exposure Certification for your use. The bottom of the form specifies where to file this document.

Let me know if you need any more assistance with this process.

Regards, Chris



iowadnr.gov

CHRIS GELNER | Environmental Specialist Senior
Field Office 1 / Field Services & Compliance Bureau
Iowa Department of Natural Resources
P: 563-927-2640 ext 316 | C: 563-920-1738
1101 Commercial Ct Ste 10, Manchester, IA 52057



Applied For



Storm Water Permits

[Enter Online Application Info](#) | [Home](#) | [Reports](#) | [Subscribe](#) | [Search](#) | [Login or Create Account](#) |

search file no.

Facility Name: **NELSON TIRE RECYCLING LLC**

Permit Type: **No Exposure Certificate** Legal Status: **Private**

Expiration Date: **(no exposure)** Address: **116 INDUSTRIAL ST. SE - CASCADE, IA 52033**

County: **DUBUQUE** Field Office: **1** SIC: **5093** Geospatial Information: **666006(X)/4685362(Y)**

[Facility](#) | [Permit](#) | [Affiliates](#) | [Activity Log](#) | [Payment History](#) | [Monitoring Data](#) | [Checklist](#)

Facility Detail

Name: * **NELSON TIRE RECYCLING LLC**

[Alter](#)

Location Detail

Address: **116 INDUSTRIAL ST. SE**

Location:

City: **CASCADE** State: **IA** Zip: **52033**

County: **DUBUQUE**

NW

32

Qtr Sect.:

Sect.:

Township/Tier:

Range:

<https://programs.iowadnr.gov/stormwater/pages/facility.aspx?permitID=49153>

87

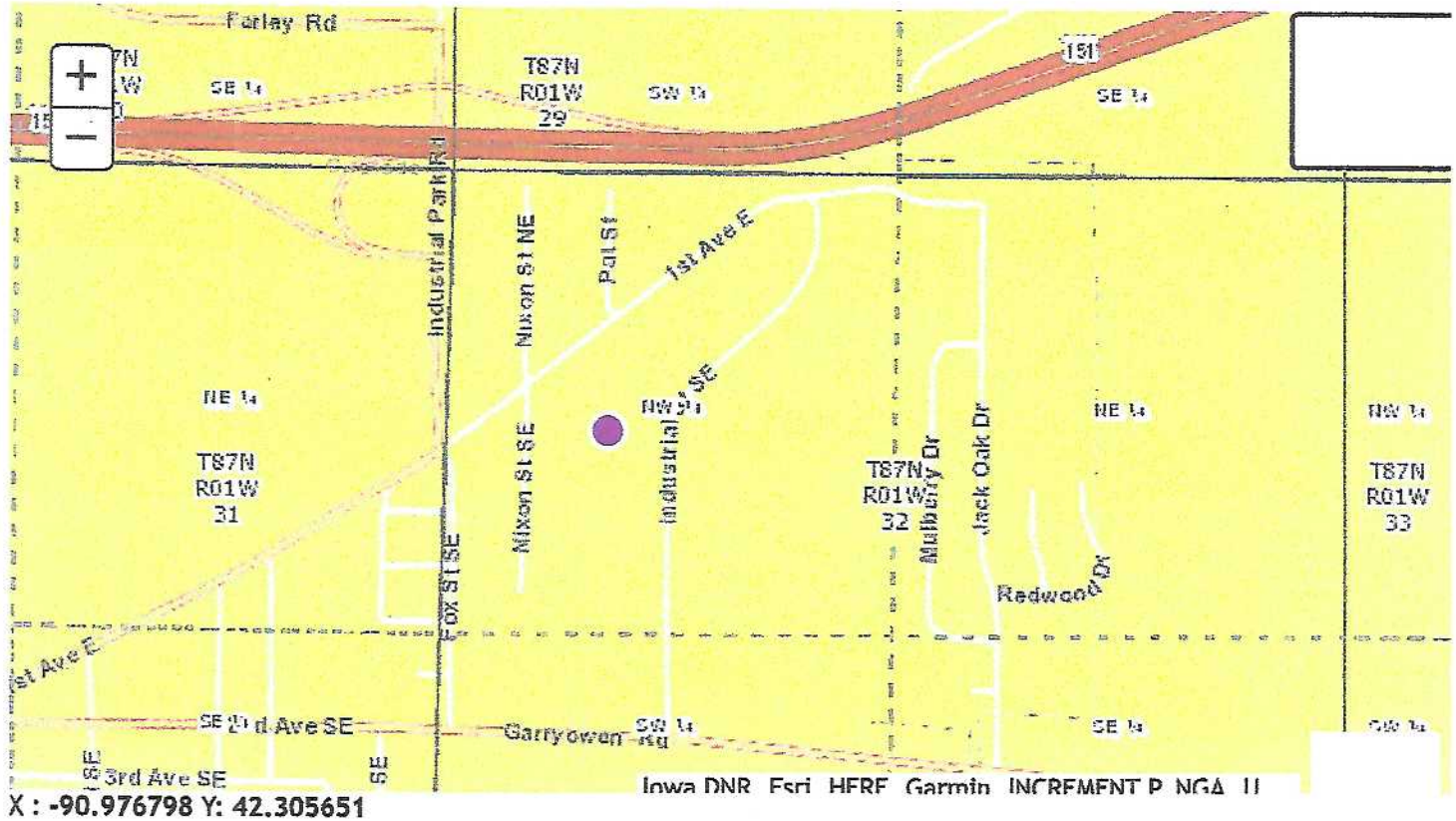
01W

Map Location as Submitted via Online Application

Map

Latitude: 42.30605

Longitude: -90.99197



X : -90.976798 Y: 42.305651

Latitude: 42.30605

Longitude: -90.99197

X Coord: 666006

Y Coord: 4685362

Zone:

Multiple QSTR Location Info (DNR Input)

Edit	QtrSec	Section	Township	Range	Range Dir
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<https://programs.iowadnr.gov/stormwater/pages/facility.aspx?permitID=49153>

SECTION J. – Site Closure Plan



Nelson Tire Recycling

116 Industrial st se
Cascade, IA 52033

941-356-0242

nelsontirerecycling@gmail.com

FB@ Nelson Tire Recycling



all tire received are made into
rubber mulch or semi side walls for Farmer's

all left over pieces are taken to
Dubuque land fill

Richard Nelson