



Wayne County, North Carolina Board of Commissioners

June 3, 2025
224 E. Walnut Street
Courthouse 4th Floor
Goldsboro, NC 27530

MINUTES

8:00 A.M. AGENDA BRIEFING

During the scheduled briefing and prior to the regularly scheduled meeting, the Board of Commissioners held an advertised briefing session to discuss the items of business on the agenda.

The briefing began at 8:02 a.m. with Chairwoman Barbara Aycock reviewing the agenda.

County Manager Chip Crumpler adjusted the agenda, adding Budget Amendment #440 for the Health Department under the Consent Agenda.

Finance Director Angie Boswell reviewed the budget amendments and answered questions from the board.

Planning Director Berry Gray reviewed the subdivision plats and answered questions from the board.

Clerk to the Board Carol Bowden reviewed the pyrotechnic resolutions.

County Attorney Andrew Neal reviewed the surplus sales, the MOU with Wayne County Public Schools, and answered questions from the board.

Members present: Chairwoman Barbara Aycock; George Wayne Aycock, Jr.; Joe C. Daughtery; Chris Gurley; Tim Harrell; and Antonio Williams.

Members absent: Vice-Chairman Bevan Foster.

9:00 A.M. - CALL TO ORDER - Chairwoman Barbara Aycock

The Wayne County Board of Commissioners met on Tuesday, June 3, 2025, at 9:01 a.m. in the Commissioners Meeting Room in the Wayne County Courthouse Annex, Goldsboro, North Carolina, after due notice thereof had been given.

Members present: Chairwoman Barbara Aycock; Vice-Chairman Bevan Foster; George Wayne Aycock, Jr.; Joe C. Daughtery; Chris Gurley; Tim Harrell; and Antonio Williams.

Members absent: None

INVOCATION - Commissioner Tim Harrell

Commissioner Tim Harrell gave the invocation.

PLEDGE OF ALLEGIANCE - Commissioner Chris Gurley

Commissioner Chris Gurley led the Board of Commissioners in the Pledge of Allegiance to the Flag of the United States of America.

APPROVAL OF MINUTES

1. Motion to Approve the May 20, 2025, Minutes.
Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved the May 20, 2025, Minutes.

DISCUSSION/ADJUSTMENT OF AGENDA

2. Motion to Approve the June 3, 2025, Adjusted Agenda.
Upon motion of Commissioner Tim Harrell, the Board of Commissioners unanimously approved the June 3, 2025, Adjusted Agenda.

SPECIAL PRESENTATIONS

3. Motion to Approve the 2025 Men's Health Week in Wayne County, as presented by Vice-Chairman Bevan Foster.
Upon motion of Commissioner Antonio Williams, the Board of Commissioners unanimously approved the 2025 Men's Health Week in Wayne County Proclamation, as presented by Vice-Chairman Bevan Foster, attached hereto as Attachment A.

APPOINTMENT COMMITTEE

4. Motion to Appoint Greg Hare as the Fire Commissioner for Little River Volunteer Fire Department.
Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved to appoint Greg Hare as the Fire Commissioner for Little River Volunteer Fire Department.
5. Motion to Appoint Paul Lewt Daw as the Fire Commissioner for Patetown Fire Service District.
Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved to appoint Paul Lewt Daw as the Fire Commissioner for Patetown Fire Service District.
6. Motion to Appoint Melissa Kilpatrick to the Eastern Carolina Workforce Development Board.
Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved to appoint Melissa Kilpatrick to the Eastern Carolina Workforce Development Board.
7. Motion to Reappoint Michael Dawson to the Wayne County ABC Board.
Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved to reappoint Michael Dawson to the Wayne County ABC Board.

8. Motion to Reappoint Matthew Harrison to the Wayne County ABC Board.

Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved to reappoint Matthew Harrison to the Wayne County ABC Board.

Commissioner Joe C. Daughtery made a recommendation to reappoint Barbara Aycock to the Wayne County Jury Commission, to be voted on by the Board of Commissioners at the June 17, 2025, meeting.

CONSENT AGENDA

Upon motion of Commissioner George Wayne Aycock, Jr., the Board of Commissioners approved the Consent Agenda, as detailed below, by a vote of 6 to 1 with Foster against.

9. Budget Amendments
#388-Sheriff's Office/#393-Finance/#395-Detention Center/#397-Sheriff's Office SRO Div./#399-Services on Aging/#403-Solid Waste/#404-Services on Aging/#408-DSS/#409-Finance/#413-Fleet/#417-Services on Aging/#419-Facilities/#420-Jetport/#440-HD
10. Motion to Approve the Preliminary Plat for Brian's Farm Subdivision
Attached hereto as Attachment B.
11. Motion to Approve the Preliminary Plat for Hooks Landing Subdivision.
Attached hereto as Attachment C.
12. Motion to Approve the Preliminary Plat for Knobs Creek Subdivision.
Attached hereto as Attachment D.
13. Motion to Approve the Preliminary Plat for Ruskin Road Tract Subdivision.
Attached hereto as Attachment E.
14. Motion to Approve the Final Plat for Hunters Trace Phase 1.
Attached hereto as Attachment F.
15. Motion to Approve the Preliminary Plan for Sanchez Estates Mobile Home Park.
Attached hereto as Attachment G.
16. Motion to Approve the Final Plat for Drake Estates Section 7.
Attached hereto as Attachment H.
17. Motion to Adopt Resolution #2025-15: A Resolution Allowing the Use of Pyrotechnics in the Town of Seven Springs.
Attached hereto as Attachment I.
18. Motion to Adopt Resolution #2025-16: A Resolution Allowing the Use of Pyrotechnics in the Town of Pikeville.
Attached hereto as Attachment J.

19. Motion to approve the final upset bid for the sale of surplus property owned by the County and the Town of Mt. Olive located at 107 Short Street, Mt. Olive (PIN: 2572658205) pursuant to the provisions of NCGS § 160A-269 to Blue Oval Properties LLC.
Attached hereto as Attachment K.
20. Motion to Adopt Resolution 2025-17: A Resolution Declaring Surplus Real Property and Approving the Sale of property located on Piedmont Airline Road, Goldsboro (PIN: 3518642185).
Attached hereto as Attachment L.
21. Motion to Approve a Memorandum of Understanding between the County of Wayne and Wayne County Public Schools for the use of Activity Buses for the 2025 County Summer Internship Program.
Attached hereto as Attachment M.

PUBLIC COMMENTS

Mount Olive Commissioner Simmons and Mayor Newton spoke on the county raising "tipping" (landfill) fees and the agreement with the Town of Mount Olive regarding their responsibility to pay the electric bill for the Steele Memorial Library in Mount Olive. Mayor Newton asked for a renegotiated agreement.

RECESS BOARD OF COMMISSIONERS MEETING

At 9:18 a.m., Chairwoman Barbara Aycock recessed the meeting of the Wayne County Board of Commissioners until 9:30 a.m.

RECONVENE WAYNE COUNTY BOARD OF COMMISSIONERS MEETING

At 9:30 a.m., Chairwoman Barbara Aycock reconvened the meeting of the Wayne County Board of Commissioners.

9:30 A.M. PUBLIC HEARING

22. To Receive Public Comments on the Proposed Budget for Wayne County for the fiscal year beginning July 1, 2025.
At 9:30 a.m., Chairwoman Barbara Aycock opened the Public Hearing to receive public comments on the Proposed Budget for Wayne County for the fiscal year beginning July 1, 2025.

County Manager Chip Crumpler discussed the county manager's recommended budget, with changes made following the budget work session, and the new recommended tax rate of \$0.6259. The changes made following the commissioners' budget work session are as follows:

- Fund the Teacher Supplements for the Wayne County Public Schools for \$1,318,000.
- Fund the Fleet Shop for \$900,000, to be reimbursed from debt proceeds in the future.

- Partially Fund additional School Resource Officers for the Wayne County Public Schools for \$500,000.
- Add to the budget \$240,000 to anticipate rental income.
- Reduced savings to the Fund Balance by \$.01, for \$1,318,000.
- Increased use of fund balance usage by \$584,000.
- Increased the Small Capital Project fund for the Wayne County Public Schools from \$2 million to \$2.5 million.
- Added back the foreign language interpreter for one-half of the budget year.

The above increased the recommended tax rate from the original proposed \$0.6209 to \$0.6259.

At 9:32 a.m., with no one signed up to comment, Chairwoman Barbara Aycock closed the Public Hearing.

Vice-Chairman Bevan Foster read information on enterprise funds and asked Mr. Crumpler why \$1 million was left in the budget for a T-Hangar at the Executive Jetport, while other items were removed from the budget, particularly for the Sheriff's Office and the Register of Deeds. He asked why the Executive Jetport and the Maxwell Center did not receive cuts, yet continually lose money. Vice-Chairman Foster said it was a good budget but there were certain items he did not like in the budget.

Commissioner Joe C. Daughtery made a motion to adopt the Proposed Budget for Wayne County for the fiscal year beginning July 1, 2025, and incorporate the \$0.6259 tax rate.

Commissioner Chris Gurley made an amendment to the motion, to include: Move the Sheriff Office Deputy 2% pay increase from a start date of January 1, 2026, to July 1, 2025, at a cost of \$150,697; Re-insert the Dudley Communication Tower at a cost of \$256,600; Re-insert partial sheriff vehicle allocation for 9 patrol vehicles upfitted for service at a cost of \$586,391.88 – all to be included in the Budget for Wayne County at a total cost of \$993,688.88, in the place of the Wayne Executive Jetport T-Hangar, currently in the budget for \$1 million, leaving \$6,311.12 to be placed in the General Fund.

Commissioner Joe C. Daughtery stated he had an issue with the amendment and adding vehicles to the budget for the Sheriff's Office. He discussed vehicles bought with ARPA funding with the purpose to rotate into the Sheriff's fleet over time. He said the Dudley Communication tower was to be put off and he disagreed with moving things around after the budget work session.

Commissioner Gurley shared information on the Sheriff's Office vehicles and explained the need for additional vehicles.

Commissioner George Wayne Aycock, Jr., spoke on the Jetport T-Hangar, objecting to the proposed rental prices of \$350-\$375 per month, comparing it to small storage units he rents for \$95 per month.

Commissioner Daughtery stated the T-Hangar was a project that had been put off for a decade and if the Jetport is to grow, the facilities need to be improved. He discussed county-owned versus private-owned hangars, saying it would be cheaper to build now, and that an agreement had been executed by the Wayne County Development Alliance to build the hangar.

Vice-Chairman Foster asked Commissioner Daughtery what was more important for the citizens of the county, and asked him to show how the Executive Jetport is better for the county.

Commissioner Gurley praised the Jetport staff for their ability to access grants for projects and suggested they find one for the hangars. Commissioner Daughtery stated grants do not exist for hangars and discussed the \$15 million in grants already received. Vice-Chairman Foster stated despite that, more than \$2 million was lost at the Jetport over the past two years.

Commissioner Tim Harrell said he was concerned the board held two budget work sessions and only Vice-Chairman Foster spoke of concerns regarding the Jetport T-Hangars, and he asked if the Sheriff's Office vehicles would arrive in this budget year or next.

Following a question regarding parliamentary procedure on whether the board requires seconds to motions, County Attorney Andrew Neal explained the process to vote on the open motion and amendment.

Commissioner Daughtery made a motion to amend the first Amendment, to increase the tax rate to \$0.63 and include all of the above in the first amendment, as well as the T-Hangar for the Wayne Executive Jetport.

Vice-Chairman Foster said he felt that amendment was selfish and unfair to ask of the citizens of Wayne County to pay taxes for something that will only benefit 12 people. Commissioner Gurley stated the board had discussions on the T-Hangar but Commissioner Daughtery disagreed with, and became angry at their suggestions. He asked Commissioner Daughtery if a contract with WCDA had been signed prior to the budget being passed.

Following more discussion, Commissioner Tim Harrell made a motion to table the vote on the FY 2025-2026 Proposed Budget.

Commissioner Antonio Williams stated he cannot support the proposed budget for 2025-2026 because he does not believe it treats the communities of Dudley and Mar Mac fairly and provides nothing to address the needs of those communities.

Upon motion of Commissioner Tim Harrell to table the vote on the FY 2025-2026 Proposed Budget, the Board of Commissioners failed to pass the motion by a vote of 3 to 4, with B. Aycock, J. Daughtery, and T. Harrell voting for the motion.

Upon motion of Commissioner Joe C. Daughtery to amend the first amendment of Commissioner Chris Gurley, to incorporate a tax rate of \$0.63 to accommodate Commissioner Gurley's proposed changes and add back the Executive Jetport T-Hangar, the Board of Commissioners failed to pass the motion by a vote of 2 to 5, with B. Aycock and J. Daughtery voting for the motion.

Upon motion of Commissioner Chris Gurley, to amend the original motion of Commissioner Joe Gurley by the following: Move the Sheriff Office Deputy 2% pay increase from a start date of January 1, 2026, to July 1, 2025, at a cost of \$150,697; Re-insert the Dudley Communication Tower at a cost of \$256,600; Re-insert partial sheriff vehicle allocation for 9 patrol vehicles upfitted for service at a cost of \$586,391.88 – all to be included in the Budget for Wayne County at a total cost of \$993,688.88, in the place of the Wayne Executive Jetport T-Hangar, currently in the budget for \$1 million, leaving \$6,311.12 to be placed in the General Fund, the vote passed by a vote of 4 to 3, with J. Daughtery, T. Harrell, and A. Williams voting against. This made the original motion null and void.

Upon motion of Commissioner Chris Gurley, the Board of Commissioners approved the Budget for Wayne County for FY 2025-2026, with the above changes stated by Commissioner Chris Gurley, incorporating the tax rate of \$0.6259, attached hereto as Attachment N, by a vote of 5 to 2, with J. Daughtery and A. Williams voting against.

COUNTY MANAGER'S REPORT

County Manager Chip Crumpler discussed the challenges of the Commissioners' positions, specifically related to the budget, and expressed his appreciation for them. He reminded the board of an upcoming NCACC meeting.

BOARD OF COMMISSIONERS COMMITTEE REPORTS

Vice-Chairman Bevan Foster stated he did not like increasing the tax rate at all but the board is trying to get a lot accomplished. He said the "we get confused with 'I' and 'my' and deals are made behind the scenes. He said he believes everything should be discussed at the table and reminded the board of the ethics class taken recently.

Commissioner Tim Harrell had no comment.

Commissioner Chris Gurley clarified he did not contact a single board member about his amendment prior to the meeting, but rather based his motion on the research he had done individually.

Commissioner George Wayne Aycock, Jr., commended County Manager Crumpler and staff for doing a great job on the budget.

Commissioner Joe C. Daughtery spoke of his discontent on commissioners making commitments to him and going against them. He stated he found the revenue to offset some of his projects but decisions and changes were made by board members.

Commissioner Antonio Williams stated the meeting was "politics at its best", chess, not checkers.

Chairwoman Barbara Aycock stated the meeting included an interesting voting session. She congratulated management and staff for their work on the budget.

CLOSED SESSION

At 8:38 a.m., upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously declared itself in closed session to consult with an attorney employed or retained by the public body in order to preserve the attorney-client privilege between the attorney and the public body, which privilege is hereby acknowledged.

At 8:48 a.m., upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously declared itself in regular session.

Members present: Chairwoman Barbara Aycock; George Wayne Aycock, Jr.; Joe C. Daughtery; Chris Gurley; Tim Harrell; and Antonio Williams.

Members absent: Vice-Chairman Bevan Foster.

Others Present: County Manager Chip Crumpler; Assistant County Manager Ginger Moore; County Attorney Andrew Neal; Finance Director Angie Boswell; IT Director Giorgio Kristev; Deputy Clerk Kayla Whitley; and Clerk to the Board Carol Bowden.

ADJOURNMENT

At 10:28 a.m., Chairwoman Barbara Aycock adjourned the Meeting of the Wayne County Board of Commissioners.



Carol Bowden, Clerk to the Board

WAYNE COUNTY

2025 MEN'S HEALTH WEEK IN WAYNE COUNTY

WHEREAS, Men's Health Month is part of an ongoing international effort to educate men, boys, and their families about receiving regular disease prevention screenings, and living healthier lifestyles; and

WHEREAS, nationwide, life expectancy for men averages five years less than that of women, with men experiencing higher rates of health problems such as diabetes, obesity, cancer, heart disease, and premature mortality; and

WHEREAS, Men's Health Network is recognized for their esteem in the creation of, maintenance, and champion over National efforts of the officially distinguished Men's Health Month and Week; and

WHEREAS, Men's Health Month is a time for the public to recognize the mental and physical health needs of men and boys, while encouraging fathers to be role models for their children through preventive health screenings, healthy living, and seeking needed help; and

WHEREAS, the growing epidemic of suicide and substance abuse requires special effort to raise awareness of unrecognized and undiagnosed depression and mental stress in boys and men; and

WHEREAS, the centerpiece of Men's Health Month is National Men's Health Week, a special awareness period passed by Congress and signed into law by President Bill Clinton on May 31, 1994.

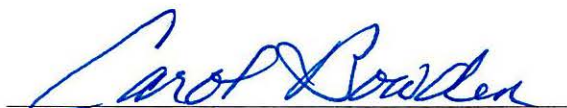
NOW, THEREFORE BE IT PROCLAIMED that the Wayne County Board of Commissioners does hereby proclaim June 9 - 15, 2025, as **MEN'S HEALTH WEEK**.

Adopted this the 3rd day of June, 2025.



Barbara Aycock, Chairwoman
Wayne County Board of Commissioners

Attest:



Carol Bowden
Clerk to the Board



MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Subdivision Preliminary Plat Approval

Item: Brian's Farm Preliminary Plat

Owner/Developer: Kornegay Properties and Investments, PLLC

Surveyor/Engineer: Hillman Ray

New Hope Township, Piney Grove Church Road (SR 1731)

Lots: 23 lots

Discussion: Sec 70-74 of the Wayne County Subdivision Ordinance requires that for every major subdivision within its territorial jurisdiction which does not qualify for the abbreviated minor subdivision procedure, the developer shall submit a preliminary plat which shall be reviewed and approved by the Board of Commissioners before any construction or installation of improvements may begin.

The Brian's Farm preliminary consists of 23 residential building lots. This subdivision will be built on 20.3 acres off Piney Grove Church Road just north of Tall Pines Subdivision. No flood hazard areas are present within the project area. The property is not located within a zoning district.

The average lot size is 33,617 sf or 0.75 acres. There are 1,720 linear feet (0.33 miles) of streets required to be installed per the NC Dept. Of Transportation subdivision street requirements. Building lots will utilize public water and onsite septic. The subdivision will meet the requirements for stormwater.

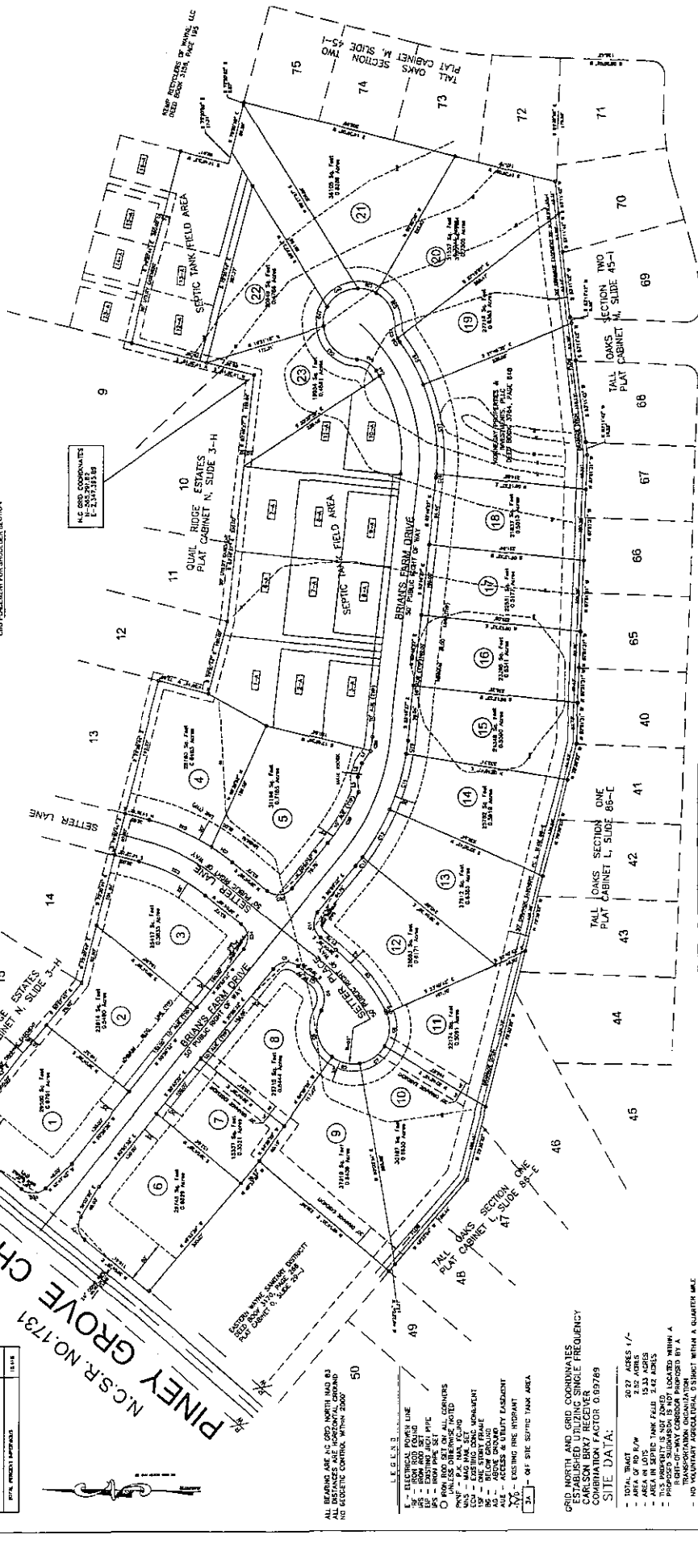
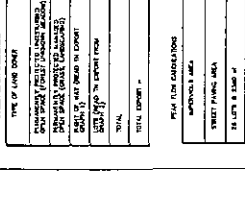
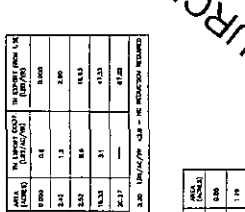
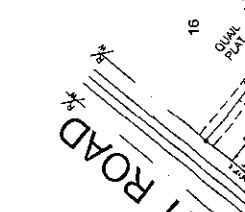
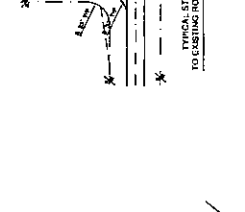
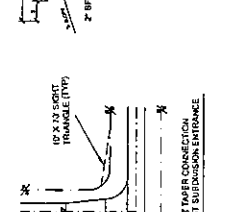
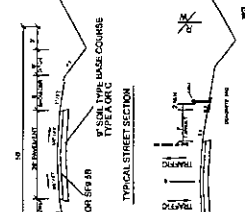
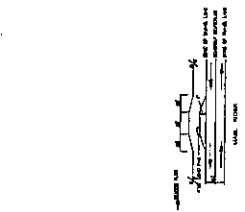
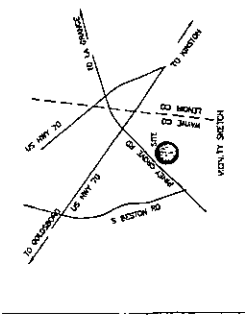
The property is shown within the Rural Transition area in the Wayne County Comprehensive Land Use Plan.

Rural Areas provide for agriculture, forestry, and other allied activities traditionally found in a rural setting. Very low intensity residential development with on-site waste disposal (i.e. septic systems) may be appropriate in Rural Areas where site conditions are good. Premature conversion of Rural Areas to urban level development and the resulting loss of valuable farmland and open space is to be discouraged. Generally, public funds should not be used for planning, programming or installing urban services in these areas that would promote more intensive development. While development densities as high as 2 units per acre may be permitted in these areas, much lower densities and larger lots are preferred.

The property is located within the following service areas:

Schools – Spring Creek HS, Spring Creek Middle and Spring Creek Elementary
Water – East Wayne Sanitary District
Fire – Elroy Fire Department
EMS – Station 11
Transportation – MPO
Water Supply Watershed – No
Voluntary Agriculture District – Within ½ mile
Wetlands – No
Board of Commissioners District – 5

Recommendation: The Wayne County Planning Board recommends that the preliminary be approved.



PRELIMINARY MAP FOR

BRIAN'S FARM

NEW HOPE TOWNSHIP
WAYNE COUNTY, N.C.

1 inch = 100 ft

THESE HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS A PART OF THE PROPERTY SHOWN AND DESCRIBED HEREON, AND THAT I HAVE HEREBY ADDED THE PLAN OF SUBDIVISION WITH THE REQUIRED RECORDS TO THE BOARD OF COMMISSIONERS OF WAYNE COUNTY, N.C., FOR THEIR REVIEW AND APPROVAL OF THE REQUIRED IMPROVEMENTS AS NOTED.

STANDARD, WAYNE COUNTY BOARD OF COMMISSIONERS DATE

DATE

GRID NORTH AND GRID COORDINATES

ESTABLISHED UTILIZING SINGLE FREQUENCY CARLSON BRK7 RECEIVER

SITE DATA:

- TOTAL TRACT 20.27 ACRES +/-
- AREA OF LOT 1 15.42 ACRES
- AREA OF LOT 2 3.42 ACRES
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LEGEND

- 1" = ELECTRICAL POWER LINE
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MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Subdivision Preliminary Plat Approval

Item: Hooks Landing Preliminary Plat

Owner: Robert Glenn Hooks Jr

Developer: RRT Development, LLC

Surveyor/Engineer: Stocks Engineering

Saulston Township, Wayne Memorial Drive (SR 1556)

Lots: 39

Discussion: Sec 70-74 of the Wayne County Subdivision Ordinance requires that for every major subdivision within its territorial jurisdiction which does not qualify for the abbreviated minor subdivision procedure, the developer shall submit a preliminary plat which shall be reviewed and approved by the Board of Commissioners before any construction or installation of improvements may begin.

The Hooks Landing preliminary consists of 39 residential building lots. This subdivision will be built on 30.27 acres off Wayne Memorial Drive, just east of True Vine Road. No flood hazard areas are present within the project area. The property is not located within a zoning district.

The average lot size is 29,195 sf or 0.66 acres. There are 2,906 linear feet (0.55 miles) of streets required to be installed per the NC Dept. Of Transportation subdivision street requirements. Building lots will utilize public water and onsite septic. The subdivision will meet the requirements for stormwater.

The property is shown within the Rural Enclave area in the Wayne County Comprehensive Land Use Plan.

Rural Enclaves provide for clusters of low density residential development in a rural setting. On-site waste disposal (i.e. septic system) is the norm for these areas. Rural Enclaves generally do not have commercial development; residents typically travel outside these smaller residential areas for their service needs.

The property is located within the following service areas:

Schools – Charles B Aycock HS, Norwayne Middle and Northeast Elementary

Water – Belfast Patetown Sanitary District

Fire – New Hope Fire Department

EMS – Station 10
Transportation – MPO
Water Supply Watershed – No
Voluntary Agriculture District – No
Wetlands – No
Board of Commissioners District – 5

Recommendation: The Wayne County Planning Board recommends that the preliminary be approved.

STOCKS ENGINEERING & SURVEYING, P.A.
100 EAST WASHINGTON STREET
WAYNE COUNTY, NC 27854
PHONE: (703) 430-8185
WWW.STOCKSENGINEERING.COM

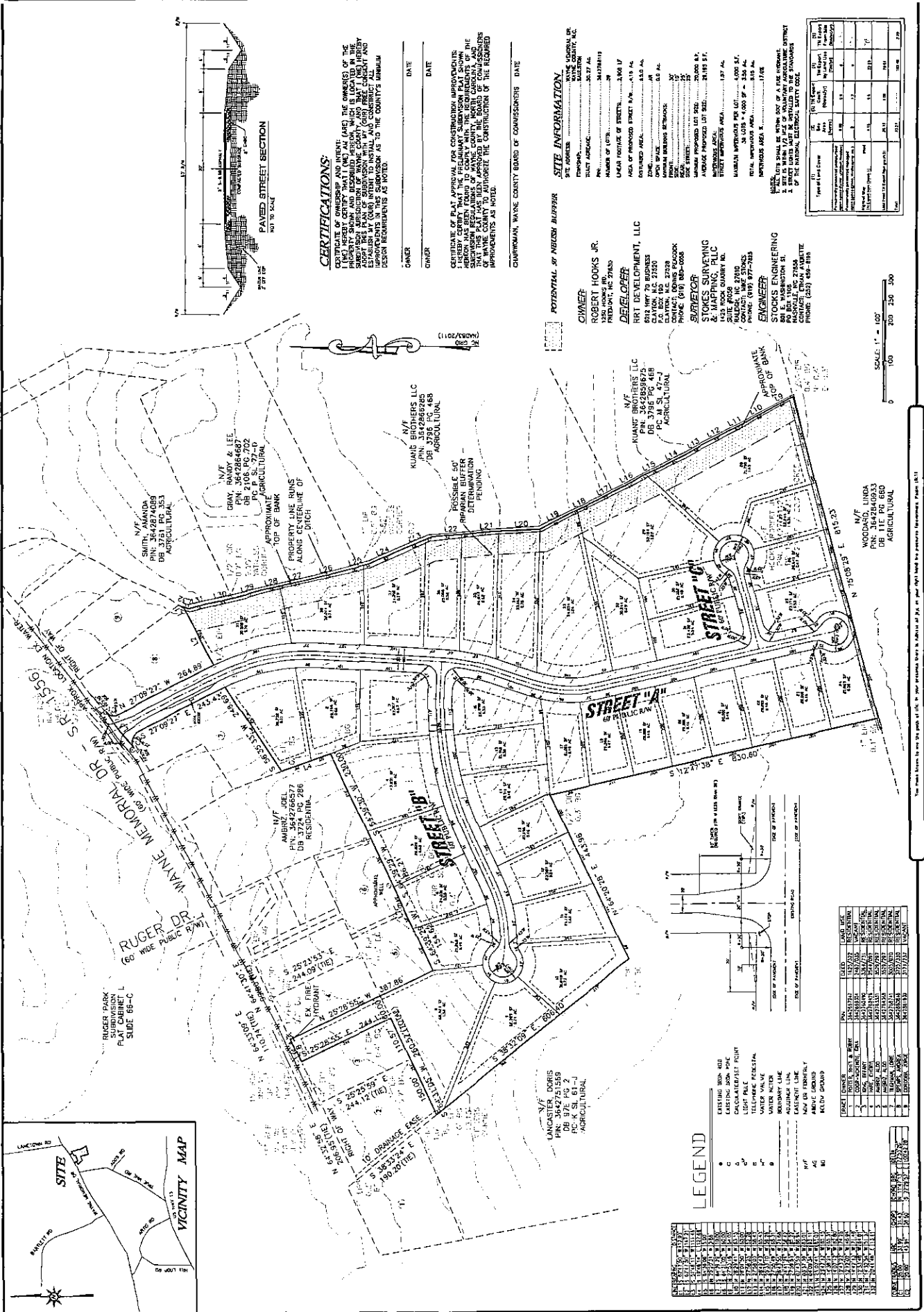
BLM-C-0024

**HOOKS LANDING SUBDIVISION
SULLSTON TOWNSHIP
WAYNE COUNTY, NORTH CAROLINA**

SEAL
NORTH CAROLINA
PLAT
10/23/2013

PRELIMINARY PLAT

NO.	DATE	BY	REVISION
1	10/23/2013	STOCKS	INITIAL



CERTIFICATIONS:

CERTIFICATE OF OWNERSHIP AND INTENT: I, THE UNDERSIGNED, ENGINEER, DO HEREBY CERTIFY THAT THE PRESENT SUBDIVISION PLAT SHOWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SUBDIVISION AS SHOWN ON THE GROUND, AND THAT I HAVE BEEN DULY QUALIFIED BY THE BOARD OF COMMISSIONERS OF WAYNE COUNTY TO UNDERTAKE THE CONSTRUCTION OF THE REQUIRED IMPROVEMENTS AS NOTED.

CERTIFICATE OF PLAT APPROVAL FOR CONSTRUCTION IMPROVEMENTS: I, THE UNDERSIGNED, ENGINEER, DO HEREBY CERTIFY THAT THE PRESENT SUBDIVISION PLAT SHOWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SUBDIVISION AS SHOWN ON THE GROUND, AND THAT I HAVE BEEN DULY QUALIFIED BY THE BOARD OF COMMISSIONERS OF WAYNE COUNTY TO UNDERTAKE THE CONSTRUCTION OF THE REQUIRED IMPROVEMENTS AS NOTED.

CHURCHMAN, WAYNE COUNTY BOARD OF COMMISSIONERS DATE

SITE INFORMATION:

OWNER: ROBERT HOOKS JR.
1500 HOOKS RD.
FREDERICK, NC 27830

DEVELOPER: RRT DEVELOPMENT, LLC
8512 HWY 70 BUSINESS
P.O. BOX 100
CONANT, NC 27830
PHONE: (919) 880-0008

SURVEYOR: STOCKS ENGINEERING & SURVEYING, P.A.
100 EAST WASHINGTON ST.
WAYNE COUNTY, NC 27854
PHONE: (703) 430-8185

ENGINEER: STOCKS ENGINEERING & SURVEYING, P.A.
100 EAST WASHINGTON ST.
WAYNE COUNTY, NC 27854
PHONE: (703) 430-8185

ADDITIONAL NOTES:

NO.	DATE	BY	REVISION
1	10/23/2013	STOCKS	INITIAL

SCALE: 1" = 100'

This Plat is subject to the provisions of the General Statutes of North Carolina, Chapter 40A, Article 1, Section 17.1, and Chapter 40A, Article 1, Section 17.2.

MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Subdivision Preliminary Plat Approval

Item: Knobs Creek, Preliminary

Owner: Cameron Mitchell

Developer: Cameron Mitchell

Surveyor/Engineer: Bryan K Jones Consulting Engineers, PA

Pikeville Township, Lancaster Road (SR 1543)

Lots: 17

Discussion: Sec 70-74 of the Wayne County Subdivision Ordinance requires that for every major subdivision within its territorial jurisdiction which does not qualify for the abbreviated minor subdivision procedure, the developer shall submit a preliminary plat which shall be reviewed and approved by the Board of Commissioners before any construction or installation of improvements may begin.

The Knobs Creek preliminary consists of 17 residential building lots. This subdivision will be built on 11.45 acres on Lancaster Road, just north of Forehand Road. No flood hazard areas are present within the project area. The property is located within the Outer Horizontal Overlay District.

The average lot size is 26,661 sf or 0.61 acres. There are 7905 linear feet (0.15 miles) of streets required to be installed per the NC Dept. Of Transportation subdivision street requirements. Building lots will utilize public water and onsite septic. The subdivision will meet the requirements for stormwater.

The property is shown within the Rural area in the Wayne County Comprehensive Land Use Plan.

Rural Areas provide for agriculture, forestry, and other allied activities traditionally found in a rural setting. Very low intensity residential development with on-site waste disposal (i.e. septic systems) may be appropriate in Rural Areas where site conditions are good. Premature conversion of Rural Areas to urban level development and the resulting loss of valuable farmland and open space is to be discouraged. Generally, public funds should not be used for planning, programming or installing urban services in these areas that would promote more intensive development. While development densities as high as 2 units per acre may be permitted in these areas, much lower densities and larger lots are preferred.

The property is located within the following service areas:

Schools – Charles B Aycock HS, Norwayne Middle and Northeast Elementary
Water – Belfast Patetown Sanitary District
Fire – Patetown Fire Department
EMS – Station 10
Transportation – MPO
Water Supply Watershed – No
Voluntary Agriculture District – No
Wetlands – Yes, within Duke ROW on Lot 17
Board of Commissioners District – 5

Recommendation: The Wayne County Planning Board recommends that the preliminary be approved.

PRELIMINARY PLAT KNOBS CREEK SUBDIVISION

PIKEVILLE TOWNSHIP,
WAYNE COUNTY, N.C.

SITE DATA

- KNOBS CREEK, LLC
- 993 VAIL ROAD, PINEVALE, NC 27863 919-920-0918
- TOTAL TRACT ACRES (REED BOOK 3559, PAGE 237): 11.61 ACRES
- PH NUMBER 919-920-0918
- ZONING: R-1
- PROPOSED SUBDIVISION IS NOT LOCATED WITHIN A RVM CORRIDOR
- PROPOSED BY A TRANSPORTATION PLANNING ORGANIZATION
- VOLUNTARY AGRICULTURAL DISTRICT IS NOT WITHIN A FARM
- PROPOSED SUBDIVISION IS NOT LOCATED WITHIN THE AGRICULTURE

- TOTAL NUMBER OF PROPOSED LOTS: 17 LOTS
- SMALLEST LOT AREA: 15,060 SF
- LARGEST LOT AREA: 94,165 SF
- AVERAGE LOT AREA: 26,601 SF
- LINEAR FEET IN STREETS BY STREET WIDTH: 785.1 LF
- MINIMUM BUILDING SETBACKS (FEET):
 - FRONT: 30 FT
 - SIDE: 10 FT
 - REAR: 25 FT
 - ACROSS: 50 FT
- FLOOD INUNDATION ZONE X - AREAS DETERMINED TO BE INSIDE THE 1% ANNUAL CHANCE FLOODPLAIN - DEFIRM MAP 37020100K, 50078
- WATER: ALL PROPOSED LOTS SHALL BE SERVICED BY THE BELFAST-PANETOWN SANITARY DISTRICT. WATER LINE SIZE AND FIRE HYDRANT LOCATIONS SHALL BE ASSIGNED BY THE SANITARY DISTRICT ENGINEER. FIRE HYDRANTS SHALL BE WITHIN 500 FT OF ALL LOTS.
- ELECTRIC, CABLE, PHONE: ALL PROPOSED UTILITIES SHALL BE DESIGNED AND INSTALLED BY THE RESPECTIVE UTILITY. NOTE: STREET LIGHTS MUST BE INSTALLED TO THE STANDARDS OF THE NATIONAL ELECTRICAL SAFETY CODE.

OWNER: CHURCHPERSON, WAYNE COUNTY BOARD OF COMMISSIONERS DATE: 4/17/2025

CHURCHPERSON, WAYNE COUNTY BOARD OF COMMISSIONERS DATE: 4/17/2025

TYPE OF LAND COVER	AREA (ACRES)	PERCENTAGE OF TOTAL TRACT AREA
PERMANENTLY PROTECTED UNDISTURBED OPEN SPACE (FOREST UNOWNED/UNMANAGED)	0.00	0.0
PERMANENTLY PROTECTED MANAGED OPEN SPACE (LOGS, LANDSCAPING, ETC.)	0.00	0.0
OPEN SPACE (ROAD TO EXISTING FROM GRAPH 1)	1.03	8.8
LOTS (READ IN EXPORT FROM GRAPH 2)	10.47	91.2
TOTAL	11.45	100.0

TYPE OF LAND COVER	AREA (ACRES)	PERCENTAGE OF TOTAL TRACT AREA
PERMANENTLY PROTECTED UNDISTURBED OPEN SPACE (FOREST UNOWNED/UNMANAGED)	0.00	0.0
PERMANENTLY PROTECTED MANAGED OPEN SPACE (LOGS, LANDSCAPING, ETC.)	0.00	0.0
OPEN SPACE (ROAD TO EXISTING FROM GRAPH 1)	1.03	8.8
LOTS (READ IN EXPORT FROM GRAPH 2)	10.47	91.2
TOTAL	11.45	100.0

INTERPRETATION OF EXPORT CALCULATIONS

TYPE OF LAND COVER	AREA (ACRES)	PERCENTAGE OF TOTAL TRACT AREA
PERMANENTLY PROTECTED UNDISTURBED OPEN SPACE (FOREST UNOWNED/UNMANAGED)	0.00	0.0
PERMANENTLY PROTECTED MANAGED OPEN SPACE (LOGS, LANDSCAPING, ETC.)	0.00	0.0
OPEN SPACE (ROAD TO EXISTING FROM GRAPH 1)	1.03	8.8
LOTS (READ IN EXPORT FROM GRAPH 2)	10.47	91.2
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PERCENTAGE IMPROVEMENTS

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PERCENTAGE IMPROVEMENTS

PERCENTAGE IMPROVEMENTS

MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Subdivision Preliminary Plat Approval

Item: Ruskin Road Subdivision, Preliminary
Owner: Glenn Thomas
Developer: Triangle Land Partners
Surveyor/Engineer: Stocks Engineering, PC
Brogden Township, Ruskin Road (SR 1931)
Lots 122 lots

Discussion: Sec 70-74 of the Wayne County Subdivision Ordinance requires that for every major subdivision within its territorial jurisdiction which does not qualify for the abbreviated minor subdivision procedure, the developer shall submit a preliminary plat which shall be reviewed and approved by the Board of Commissioners before any construction or installation of improvements may begin.

The Ruskin Road preliminary consists of 122 residential building lots. This subdivision will be built on 138.62 acres off Ruskin Road just north of Sleepy Creek Road. Flood hazard areas are not present within the project area. The property is located within the RA-20 Zoning District.

The average lot size is 31,650 sf or 0.72 acres. There are 7,715 linear feet (1.5 miles) of streets required to be installed per the NC Dept. Of Transportation subdivision street requirements. Building lots will utilize public water and onsite septic. The subdivision will meet the requirements for stormwater.

The property is shown within the Rural area in the Wayne County Comprehensive Land Use Plan.

Rural Areas provide for agriculture, forestry, and other allied activities traditionally found in a rural setting. Very low intensity residential development with on-site waste disposal (i.e. septic systems) may be appropriate in Rural Areas where site conditions are good. Premature conversion of Rural Areas to urban level development and the resulting loss of valuable farmland and open space is to be discouraged. Generally, public funds should not be used for planning, programming or installing urban services in these areas that would promote more intensive development. While development densities as high as 2 units per acre may be permitted in these areas, much lower densities and larger lots are preferred.

The property is located within the following service areas:

Schools – Southern Wayne HS, Brogden Middle and Primary

Water – Southeastern Wayne Sanitary District

Fire – Dudley Fire Department

EMS – Station 8

Transportation – MPO

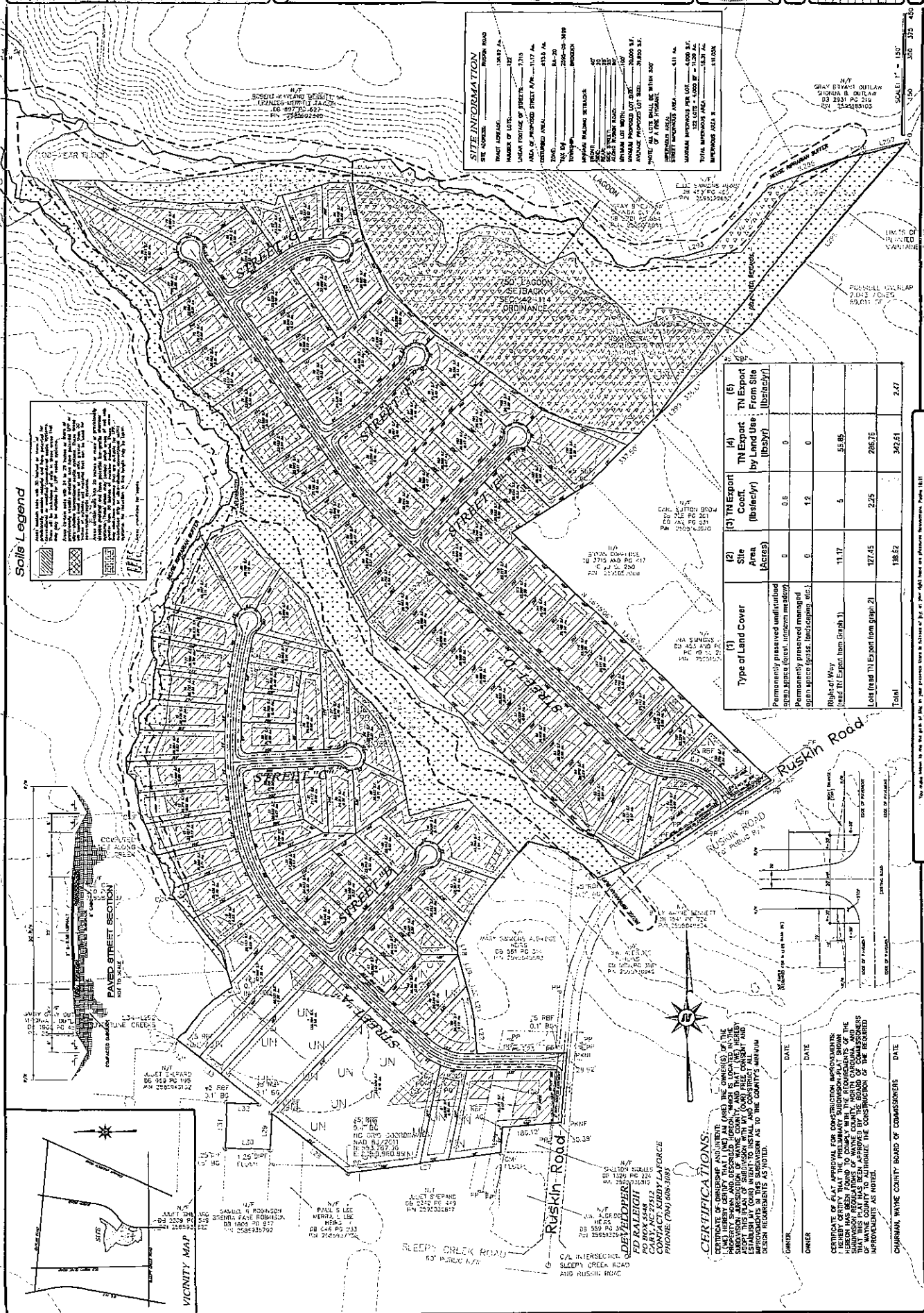
Water Supply Watershed – Yes

Voluntary Agriculture District – No

Wetlands – Yes

Board of Commissioners District – 2 and 6

Recommendation: The Wayne County Planning Board recommends that the preliminary be approved.

[illegible]

(1) Type of Land Cover	(2) Site Area (Acres)	(3) TN Export Cost (lb\$/acre-yr)	(4) TN Export by Land Use (lb\$/acre-yr)	(5) TN Export From Site (lb\$/acre-yr)
Permanently preserved undeveloped open space (forest, wetland, meadow)	0	0	0	
Permanently preserved managed open space (pasture, landscaping, etc.)	0	1.2	0	
Rights of Way (read TN Export from Graph 1)	11.17	5	55.86	
Loss (read TN Export from Graph 2)	127.45	2.25	286.75	
Total	138.62		342.61	2.47

CERTIFICATIONS: CERTIFICATE OF OWNERSHIP AND INTENT: I (WE) HEREBY CERTIFY THAT I (WE) AM (ARE) THE OWNER(S) OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF WYATK COUNTY, NORTH DAKOTA. I (WE) FURTHER CERTIFY THAT I (WE) HAVE OBTAINED ALL NECESSARY APPROVALS FROM THIS PLAN OF SUBDIVISION AND CONSTRUCT ALL NECESSARY IMPROVEMENTS IN THIS SUBDIVISION AS TO THE COUNTY'S MINIMUM DESIGN REQUIREMENTS, AS NOTED.

CERTIFICATE OF PLAT APPROVAL FOR CONSTRUCTION IMPROVEMENTS
 CHAIRMAN, WAYNE COUNTY BOARD OF COMMISSIONERS

OWNER	DATE
OWNER	DATE

SHAWNEEN HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF
 SHAWNEEN REGULATIONS OF WAYNE COUNTY, NORTH CAROLINA
 OF WAYNE COUNTY TO AUTHORIZE THE CONSTRUCTION OF THE REPAIR
 IMPROVEMENTS AS NOTED.

MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Final Subdivision Plat Approval

Item: Hunter's Trace Section 1, Final
Owner/Developer: FD Raleigh NC
Surveyor/Engineer: Jim Blanchard Associates
Great Swamp Township, Hooks Road (SR 1353)
Lots: 49

Discussion: Hunters Trace Section 1 consists of 49 lots on 43 acres. The subdivision is located on Hooks Road, at its intersection with Herman Hooks Road. The property is not located within a zoning area and the average lot size is 38,030 sf. Building lots will utilize public water and onsite septic. The property is shown within the Rural area on the Wayne County Growth Strategies Map. Improvements are complete and a NCDOT Built to Standards letter has been submitted to the County. Until the streets are accepted onto the State's secondary road system, the developer has signed a statement regarding the maintenance of the streets and right of ways.

The property is located within the following service areas:

- Schools – Charles B Aycock HS, Norwayne Middle, Fremont Elem
- Water – Northwestern Wayne Sanitary District
- Fire – Fremont Fire Department
- EMS – Station 7
- Transportation – RPO
- Water Supply Watershed – No
- Voluntary Agriculture District – Yes, within ½ mile
- Wetlands – Yes
- Board of Commissioners District – 1

Recommendation: The Wayne County Planning Board recommends approval of the final plat.

[illegible][illegible]

TOWNSHIP — GREAT SWAMP

COUNTY — WAYNE

STATE OF NORTH CAROLINA

MAJOR SUBDIVISION SURVEY FOR:

HUNTERS TRACE

PHASE ONE

DEED BOOK 206, PAGE 800
PIN: 2696944387

VOLUME - SEE SHEET 3

SHEET 2 of 4

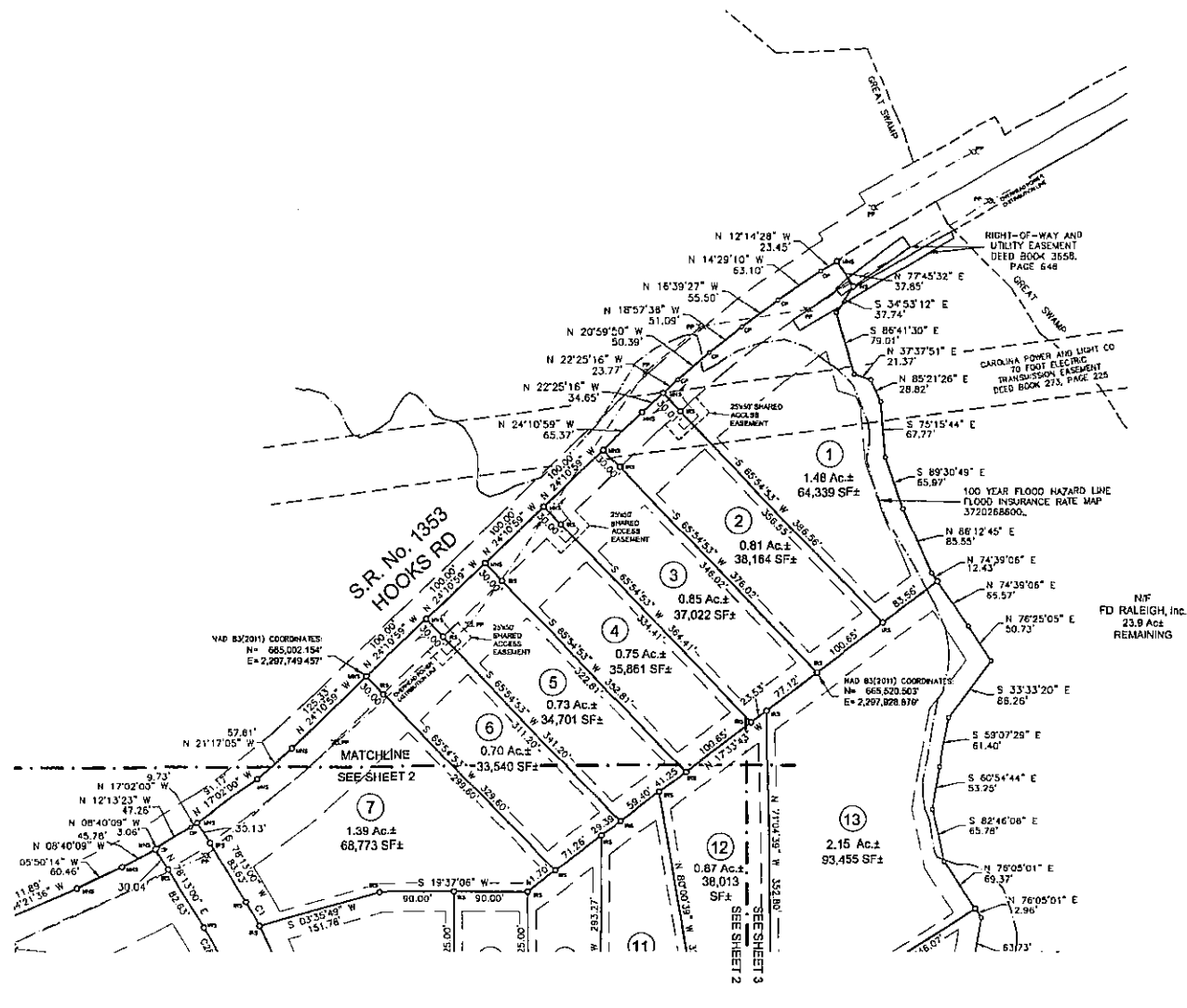
BAR SCALE — U.S. SURVEY FEET



1 inch = 100 ft.

[illegible]

1 inch = 100 ft.



A/F CENTER LINE OR FORMERY
 B/F LOWER LINE
 C/F TOP OF ASPH
 AG TOP ABOVE GROUND
 BG TOP BELOW GROUND
 CG COMPUTED POINT
 D/L LIGHT POLE
 EH
 CPST CONCRETE PIPER SPICE POLE
 EPSR
 RSF SUSSE-FAST FROM STAKE FOUND
 RSF FROM STAKE FOUND
 RSF FROM ROD FOUND
 IRS IRON ROD FOUND
 D/R ROD PIPE FOUND
 R/P ROD PIPE SET
 R/PST RAILROAD SPURCE SET
 R/PST RAILROAD SPURCE SET
 P/PZ PAUL FOUND
 PMS PAUL SET
 M/PF MAG NAIL FOUND
 M/S MAG NAIL SET
 A/SJ ASLE FOUND
 C/M CONCRETE MONUMENT FOUND
 S/S SURVEY TRAVELING STATION
 ACCS PROPERTY LINES OF THIS SURVEY
 L/L LINES OF PROPERTY LINES, ETC
 R/R ROAD
 F/L FENCE LINE
 F/L FENCE LINE NOTED

**JIM BLANCHARD
ASSOCIATES
P.C.**

P. O. BOX 5
306 N. NC 11 & 903
KENANSVILLE, NORTH CAROLINA
28349

JIM BLANCHARD, PLS
COMPANY FOUNDER
CELL 810-271-0269

MAJOR
SUBDIVISION
SURVEY
FOR:

HUNTERS TRACE

PHASE ONE

1 inch = 100 ft.

MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Mobile Home Park Approval

Item: Sanchez Estates Mobile Home Park

Owner/Developer: Buenaventura Garcia Castro

Surveyor/Engineer: B.R. Kornegay, Inc.

Indian Springs Township, Emmaus Church Road (SR 1932)

Lots: 39

Discussion: Sec 42-110 of the Wayne County Mobile Home Park Ordinance requires that for every mobile home park within its territorial jurisdiction, the developer shall submit a plat which shall be reviewed and approved by the Board of Commissioners before any construction or installation of improvements may begin.

Sanchez Estates consists of 39 mobile home park lots. The plat shows the construction of one new cul de sac street off Zion Church Road and a thru street connecting Zion Church Road with Emmaus Church Road. The Mobile Home Park will be built on 37.4 acres located off NC Hwy 55 East, Emmaus Church Road and Zion Church Road. Mapped flood zones are present but not located within the buildable part of the lots. The property is not located within a zoning district.

The average lot size is 33,100 square feet or 0.76 of an acre. The streets are required to be installed per Mobile Home Park specifications which include either a minimum four inch aggregate base course or paved to NC DOT Standards. Building lots will utilize public water and onsite sewer. The mobile home park is exempt from the requirements for stormwater.

The property is shown within the Rural area in the Wayne County Comprehensive Land Use Plan. Rural Areas provide for agriculture, forestry, and other allied activities traditionally found in a rural setting. Very low intensity residential development with on-site waste disposal (i.e. septic systems) may be appropriate in the Rural Areas where site conditions are good. Premature conversion of Rural Areas to urban level development and the resulting loss of valuable farmland and open space is to be discouraged. Generally, public funds should not be used for planning, programming or installing urban services in these areas that would promote more intensive development. While development densities as high as 2 units per acre may be permitted in these areas, much lower densities and larger lots are preferred.

The property is located within the following service areas:

Schools – Southern Wayne HS, Mount Olive Middle, Carver Elem

Water – Southeastern Wayne Sanitary District
Fire – Pricetown Fire Department
EMS – Station 1
Transportation – RPO
Water Supply Watershed – No
Voluntary Agriculture District – Within ¼ mile
Wetlands – Yes
Board of Commissioners District – 5

Recommendation: The Wayne County Planning Board recommends that the mobile home park plat be approved.

MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: May 14, 2025

Re: Final Subdivision Plat Approval

Item: Drake Estates Section 7, Final
Owner/Developer: ENC Mar-Mac LLC
Surveyor: Willie G. Miller, Jr
Brogden Township, Ridge Drive (SR 1284)
Lots: 58-73, 119-132 (29 lots)

Discussion: Drake Estates Section 7 consists of 29 lots on 14.3 acres. The subdivision is located off Ridge Drive, just north of US Hwy 13 South. The property is located within the Approach Area Overlay District and the average lot size is 17,649 sf. Building lots will utilize public water and onsite septic. The property is shown within the Urban Transition area on the Wayne County Growth Strategies Map. Improvements are complete and a NCDOT Built to Standards letter has been submitted to the County. Until the streets are accepted onto the State's secondary road system, the developer has signed a statement regarding the maintenance of the streets and right of ways.

The property is located within the following service areas:

- Schools – Southern Wayne HS, Brogden and Grantham Middle and Elem
- Water – Southern Wayne Sanitary District
- Fire – Mar-Mac Fire Department
- EMS – Station 3
- Transportation – MPO
- Water Supply Watershed – Yes
- Voluntary Agriculture District – No
- Wetlands – No
- Board of Commissioners District – 4

Recommendation: The Wayne County Planning Board recommends approval of the final plat.

DRAKE ESTATES, SEC. 7

BROGDEN TOWNSHIP
WAYNE COUNTY, N.C.

GRAPHIC SCALE



1 inch = 100 ft

GRID NORTH NAD83 (2011)

CURVE TABLE						
Q	SOUTH	RAD	DATA	TIME	CRD	TIME
C1	110.0	173.00	173.00	173.00	173.00	173.00
C2	110.0	173.00	173.00	173.00	173.00	173.00
C3	110.0	173.00	173.00	173.00	173.00	173.00
C4	110.0	173.00	173.00	173.00	173.00	173.00
C5	110.0	173.00	173.00	173.00	173.00	173.00
C6	110.0	173.00	173.00	173.00	173.00	173.00
C7	110.0	173.00	173.00	173.00	173.00	173.00
C8	110.0	173.00	173.00	173.00	173.00	173.00
C9	110.0	173.00	173.00	173.00	173.00	173.00
C10	110.0	173.00	173.00	173.00	173.00	173.00
C11	110.0	173.00	173.00	173.00	173.00	173.00
C12	110.0	173.00	173.00	173.00	173.00	173.00
C13	110.0	173.00	173.00	173.00	173.00	173.00
C14	110.0	173.00	173.00	173.00	173.00	173.00
C15	110.0	173.00	173.00	173.00	173.00	173.00
C16	110.0	173.00	173.00	173.00	173.00	173.00
C17	110.0	173.00	173.00	173.00	173.00	173.00
C18	110.0	173.00	173.00	173.00	173.00	173.00
C19	110.0	173.00	173.00	173.00	173.00	173.00
C20	110.0	173.00	173.00	173.00	173.00	173.00
C21	110.0	173.00	173.00	173.00	173.00	173.00
C22	110.0	173.00	173.00	173.00	173.00	173.00
C23	110.0	173.00	173.00	173.00	173.00	173.00
C24	110.0	173.00	173.00	173.00	173.00	173.00
C25	110.0	173.00	173.00	173.00	173.00	173.00
C26	110.0	173.00	173.00	173.00	173.00	173.00
C27	110.0	173.00	173.00	173.00	173.00	173.00
C28	110.0	173.00	173.00	173.00	173.00	173.00
C29	110.0	173.00	173.00	173.00	173.00	173.00
C30	110.0	173.00	173.00	173.00	173.00	173.00
C31	110.0	173.00	173.00	173.00	173.00	173.00
C32	110.0	173.00	173.00	173.00	173.00	173.00
C33	110.0	173.00	173.00	173.00	173.00	173.00
C34	110.0	173.00	173.00	173.00	173.00	173.00
C35	110.0	173.00	173.00	173.00	173.00	173.00
C36	110.0	173.00	173.00	173.00	173.00	173.00
C37	110.0	173.00	173.00	173.00	173.00	173.00
C38	110.0	173.00	173.00	173.00	173.00	173.00
C39	110.0	173.00	173.00	173.00	173.00	173.00
C40	110.0	173.00	173.00	173.00	173.00	173.00
C41	110.0	173.00	173.00	173.00	173.00	173.00
C42	110.0	173.00	173.00	173.00	173.00	173.00
C43	110.0	173.00	173.00	173.00	173.00	173.00
C44	110.0	173.00	173.00	173.00	173.00	173.00
C45	110.0	173.00	173.00	173.00	173.00	173.00
C46	110.0	173.00	173.00	173.00	173.00	173.00
C47	110.0	173.00	173.00	173.00	173.00	173.00

WICINITY MAP

REFERENCES: SURVEYED BY:
D.B. 3548, PG. 795 WILLIE G. MILLER, JR., PLS
D.B. 3548, PG. 808 PLS# 7844
P.C. L, SL 3-G PO BOX 1016
P.C. N, SL 5-A BEULAVILLE, NC 28518
P.C. N, SL 25-A PREPARATION DATE:
P.C. L, SL 28-I SEPTEMBER 7, 2024

WILLIE G. MILLER, JR., CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM A DEED DESCRIPTION RECORDED IN BOOK 7123, PAGE 101, THAT THE RATIO OF PRECISION AS CALCULATED BY LATITUDES AND DEPARTURES IS 0.00000; THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN BOOK 7123, PAGE 81; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 17-30 AS AMENDED, WITH MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS DAY.

PRELIMINARY:
FOR REVIEW ONLY

ENG MAR-04-06, LLC BY J. MICHAEL NEWMAN, MANAGER DATE

REVIEW OFFICER	DATE
----------------	------

OPEN SPACES ARE AUDE.

MINIMUM BUILDING SETBACKS

FRONT	30'
SIDE	10'
REAR	25'
INTERSECTION CORNER	25'
NCNR	60'

AREA CALCULATED BY WGMJ
ALL BEARINGS ARE N.C. GRID
ALL DISTANCES ARE HORIZONTAL

LEGEND

RIP - EXISTING IRON PIPE
RIB - EXISTING REBAR
MWS - MAG NAIL SET
O - IRON STAKES SET ON ALL
UNLESS OTHERWISE NOTED
Ø - NOT MONUMENTED
TJ - ACCESS UTILITY & DRIVE
TL - TOTAL LENGTH

SITE DATA	
TOTAL AC. IN TRACT	14.289 AC
NO. OF BUILDING LOTS	20
AREA IN LOTS	11,730 AC
AVERAGE LOT SIZE	17,649 SP
AREA IN ROW	1,768 AC
AREA IN OPEN SPACE	0.711 AC

LOTS SERVICED BY COMMUNITY WATER & INDIVIDUAL LOT SEPTIC SYSTEMS.
NOTE: SITE IS LOCATED WITHIN A WATER SUPPLY WATERSHED.

EASEMENTS:
A 15' WIDE UTILITY EASEMENT IS RESERVED ALONG ALL RIGHT-OF-WAYS IN THIS SUBDIVISION
A 5 FT. (TO CREATE A 10' COMBINED EASEMENT WITH ADJACENT LOT) DRAINAGE AND UTILITY EASEMENT IS RESERVED ALONG ALL INTERIOR LOT PROPERTY LINES (SIDE & REAR) AND 10 FT. ALONG ALL EXTERIOR SUBDIVISION BOUNDARY LINES. ALL OPEN SPACES ARE AUDE.

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
CONSTRUCTION STANDARDS CERTIFICATION
NEW YORK STATE DEPARTMENT OF TRANSPORTATION APPROVED
STRUCTURES ARE TO BE CONSTRUCTED ON PUBLIC RIGHT-OF-WAY
THE TOP OF SLOPE THINLINES TAKE PRECEDENCE OVER ANY SIGN
EASEMENT
THE OWNERS DEVELOPED OR CONSTRUCTION SHALL SET THE
CHAINLINE OF ANY DESIGNED ACQUISITION WITHIN A MINIMUM OF 12
FEET FROM THE EXISTING OR PROPOSED EDGE OF THE PAVEMENT
ALLOWED FROM FRONT LOTS
ALL DRAINAGE EASEMENTS SHALL BE DESIGNATED AS PUBLIC AND IT
SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS TO
MAINTAIN THE DRAINAGE STRUCTURE AND THE DRAINAGE SYSTEM TO REMAIN
THE EFFICIENCY OF THE DRAINAGE SYSTEM AND EASEMENTS TO PREVENT
DRAINAGE

ALL LOTS SHALL BE SERVED BY THE INTERIOR STREET SYSTEM ONLY

APPROVED	DISTRICT ENGINEER	DATE
I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS OF WAYNE COUNTY, NORTH CAROLINA AND THAT THIS PLAT HAS BEEN APPROVED FOR RECORD IN THE OFFICE OF THE REGISTER OF DEEDS OF WAYNE COUNTY		

CHAIRPERSON	WAYNE COUNTY BOARD OF COMMISSIONERS	DATE
STATE OF NORTH CAROLINA COUNTY OF WAYNE I, BERRY GRAY, REVIEW OFFICER OF WAYNE COUNTY, CERTIFY THAT THE MAP OR PLAN TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.		

REVIEW OFFICER	DATE
----------------	------

THE WAYNE COUNTY HEALTH DEPARTMENT HAS PERFORMED A SOIL ANALYSIS ON EACH LOT WITHIN THIS SUBDIVISION. COPIES OF THE SOIL ANALYSIS FOR EACH LOT ARE AVAILABLE FOR REVIEW IN THE OFFICE OF THE ENVIRONMENTAL HEALTH SECTION. THE SOIL ANALYSIS IS NOT A PERMIT OR A GUARANTEE THAT A PERMIT WILL BE ISSUED. EACH LOT WILL HAVE TO BE RE-EVALUATED FOR AN IMPROVEMENT PERMIT USING STANDARDS CURRENT AT THE TIME PERMITS ARE REQUESTED AND A PLOT PLAN SHOWING THE PROPOSED STRUCTURE HAS BEEN AVAILABLE TO THE HEALTH DEPARTMENT.

WAYNE COUNTY HEALTH DEPARTMENT DATE

I/WE, ENC MAR, INC. LLC, ARE RESPONSIBLE FOR THE CONSTRUCTION, MAINTENANCE AND REQUIRED ROAD IMPROVEMENTS OF SUBDIVISION STREETS (DATE: _____)

APPROPRIATELY TAKEN OVER BY NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FOR PUBLIC ROADS, OR

APPROPRIATELY TAKEN OVER BY HOMEOWNERS ASSOCIATION FOR PRIVATE ROADS MAINTENANCE, OR

IN A STATE ROAD MAINTENANCE AGREEMENT IS SIGNED AND RECORDED BY OWNERS OF EACH LOT.

ENCINAR MAC, LLC BY: J. MICHAEL NEWMAN, MANAGER DATE:

(I/JWE HEREBY CERTIFY THAT I/LAUNIE ARE) THE (OWNER/S) OF THE PROPERTY (SHOWN AND DESCRIBED HEREON WHICH WAS CONVEYED TO (US/US) BY DEED RECORDED IN DEED BOOK 3773, PAGE 619, AND THAT (WE) HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH (YOUR/FE) INTENT TO PERMANENTLY ESTABLISH THE (MINIMUM BUILDING LINES, AND LOCATE ALL FOUR STREETS, ALLEYS, WALKS, PARKING DRIVING LAYS, AND OTHER OPEN SPACES TO PUBLIC OR PRIVATE USE AS NOTED FURTHER, (WE) CERTIFY THAT THE LAND AS SHOWN HEREOF IS WITHIN THE SUBDIVISION REGULATION JURISDICTION OF WAKE COUNTY.

ENC BAR-MAC, LLC BY J. MICHAEL NEWMAN, MANAGER DATE

NORTH CAROLINA

WAYNE COUNTY

**RESOLUTION #2025-15: A RESOLUTION ALLOWING THE USE OF
PYROTECHNICS**

WHEREAS, Pyro Shows East Coast, Inc., has requested the Board of Commissioners of Wayne County for permission for pyrotechnics to be exhibited, used, and discharged in a safe and proper manner under the supervision of experts for a fireworks celebration which will be held on July 5, 2025, at 301 W. Spring Street, Seven Springs, North Carolina, as provided by North Carolina General Statute 14-410; and

WHEREAS, it is the intention of Pyro Shows East Coast, Inc., to use said displays in a public celebration; and

WHEREAS, it appears to the Wayne County Board of Commissioners that permits to use pyrotechnics should be given for such celebration as provided by North Carolina General Statutes 14-410 and 14-413.

NOW, THEREFORE, BE IT RESOLVED by the Wayne County Board of Commissioners that Pyro Shows East Coast, Inc., is hereby given permission to use pyrotechnics under the supervision of an expert at their public celebrations to be held on July 5, 2025, contingent upon the approval of the Wayne County Inspections Department.

This the 3rd day of June, 2025.


Barbara Aycock, Chairwoman
Wayne County Board of Commissioners

Attest:


Carol Bowden
Clerk to the Board



Carol Bowden

From: Dennis Lewis <d.lewis@pyroshows.com>
Sent: Saturday, May 17, 2025 7:35 PM
To: Carol Bowden; Jason Baker
Subject: [External] - Packet for Seven Springs 4th of July celebration
Attachments: Pyro Shows ATF License.pdf; Pyro Shows Safety Procedures.pdf; Seven Springs Application Wayne Co_20250517_0001.pdf; Seven Springs 7.5.2025 Certificate of Insurance.pdf; Seven Springs 7.5.2025 Shell Summary.pdf; Seven Springs Site Map_20250517_0001.pdf

Attached if the information for the packet requesting fireworks for Seven Springs 4th of July celebration.

Thank you,
Dennis Lewis
Pyro Shows
919-580-7417

CAUTION

This email originated outside the County of Wayne's network.

Do not open any attachments or click on links unless you trust the sender or expecting this email.

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF Correspondence To	ATF - Chief, FELC 244 Needy Road Martinsburg, WV 25405-9431	License/Permit Number	1-SC-091-50-7L-00269
Chief, Federal Explosives Licensing Center (FELC)		Expiration Date	November 1, 2027

Name
PYRO SHOWS EAST COAST INC

Premises Address (Changes? Notify the FELC at least 10 days before the move.)

**4652 CATAWBA RIVER ROAD
CATAWBA, SC 29704-**

Type of License or Permit

50-MANUFACTURER OF EXPLOSIVES

Purchasing Certification Statement

The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)

**PYRO SHOWS EAST COAST INC
PO BOX 1776
LA FOLLETTE, TN 37766-**

Licensee/Permittee Responsible Person Signature

Jesse Salvesson

Printed Name

Position/Title

10-28-2024

Date

ATF Form 5400.14/5400.15 Part I
Revised September 2011

Previous Edition is Obsolete PYRO SHOWS EAST COAST INC-4652 CATAWBA RIVER ROAD-29704-1-SC-091-50-7L-00269-November 1, 2027-50-MANUFACTURER OF EXPLOSIVES

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address (27 CFR 555.54(a)(1)). Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. **(The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)**

Right of Succession (27 CFR 555.59). (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

(Continued on reverse side)

Cut Here ✂

Federal Explosives License/Permit (FEL) Information Card

License/Permit Name: **PYRO SHOWS EAST COAST INC**

Business Name:

License/Permit Number: **1-SC-091-50-7L-00269**

License/Permit Type: **50-MANUFACTURER OF EXPLOSIVES**

Expiration: **November 1, 2027**

Please Note: Not Valid for the Sale or Other Disposition of Explosives.

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF
Correspondence To
ATF - Chief, FELC
244 Needy Road
Martinsburg, WV 25405-9431

License/Permit
Number

1-SC-091-51-7L-00270

Chief, Federal Explosives Licensing Center (FELC)

Expiration
Date

November 01, 2027

Name
PYRO SHOWS EAST COAST INC

Premises Address (Changes? Notify the FELC at least 10 days before the move.)

4652 CATAWBA RIVER ROAD
CATAWBA, SC 29704-

Type of License or Permit

51-IMPORTER OF EXPLOSIVES

Purchasing Certification Statement

The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)

PYRO SHOWS EAST COAST INC
PO BOX 1776
LA FOLLETTE, TN 37766-

Licensee/Permittee Responsible Person Signature

Position/Title

Printed Name

Date

Previous Edition is Obsolete PYRO SHOWS EAST COAST INC:4652 CATAWBA RIVER ROAD:29704:1-SC-091-51-7L-00270:November 01, 2027:51-IMPORTER OF EXPLOSIVES

ATF Form 5400.14/5400.15 Part I
Revised September 2011

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address (27 CFR 555.54(a)(1)). Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. **(The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)**

Right of Succession (27 CFR 555.59). (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

(Continued on reverse side)

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Federal Explosives License/Permit (FEL) Information Card

License/Permit Name: PYRO SHOWS EAST COAST INC

Business Name:

License/Permit Number: 1-SC-091-51-7L-00270

License/Permit Type: 51-IMPORTER OF EXPLOSIVES

Expiration: November 01, 2027

Please Note: Not Valid for the Sale or Other Disposition of Explosives.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/13/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Acrisure Great Lakes Partners Insurance Services
223 West Grand River Ave #1
Howell MI 48843

CONTACT NAME:
PHONE (A/C, No., Ext): 216-658-7100 **FAX** (A/C, No.): 216-658-7101
E-MAIL ADDRESS: info@brittongallagher.com

INSURED
Pyro Shows East Coast Inc.
PO Box 1776
Lafollette TN 37766

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Everest Indemnity Insurance Company	10851
INSURER B : Everest Denali Insurance Company	16044
INSURER C : Everspan Indemnity Insurance Company	16882
INSURER D : AXIS Specialty Insurance Company	15610
INSURER E :	
INSURER F :	

COVERAGES

CERTIFICATE NUMBER: 1338470196

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	☒ COMMERCIAL GENERAL LIABILITY CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY ☒ PROJECT ☐ LOC OTHER:	Y Y	GCI0010001-241	10/1/2024	10/1/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	Y Y	GCD0010001-241	10/1/2024	10/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB CLAIMS-MADE DED RETENTION \$	Y Y	P-001-000698866-04	10/1/2024	10/1/2025	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☐ N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Excess Liability #2		GCI0010002-241	10/1/2024	10/1/2025	Each Occ/Aggregate Total Limits \$5,000,000 \$10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Additional Insured extension of coverage is provided by above referenced General Liability policy where required by written agreement.

Fireworks Display: July 5, 2025

Additional Insured: Town of Seven Springs; State of North Carolina

CERTIFICATE HOLDER**CANCELLATION**

Town of Seven Springs
102 Main Street
Seven Springs NC 28578
United States

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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REGULATORY BOOK

REGULATORY



PYRO SHOWS East Coast

REGULATORY

DOT Call In:

Carson Stogner – 800.238.5114

Please state location and time



Pyro Shows Inc

Contact Numbers

Main office – LaFollette, TN	-----	800-662-1331
	FAX	423-562-9171
Jesse Salvesson	----- cell	423-494-4202
Mike Walden	----- cell	423-494-9057
Lansden Hill	----- cell	865-803-3700
<u>Pyro Shows of Texas</u>		
Texas office – Suzanne McKinney	-----	800-488-7976
	FAX	817-237-3374
Kyle Wooten	----- cell	361-944-4595
Daniel Chadwick	----- cell	423-912-5069
Chad Stanley	----- cell	817-933-9017
Mike Walden	----- cell	423-494-9057
<u>Pyro Shows Alabama</u>		
Alabama office	-----	877-776-7976
	FAX	205-789-2709
Stephanie Wiley	----- cell	205-777-1286
Marvin Jones	----- cell	205-266-5023
Jeff Freels	----- cell	205-915-9137
Danny Turner	----- cell	904-442-0171
Mike Walden	----- cell	423-494-9057

Pyro Shows Emergency Contact Information

Guidelines for calling:

Using your common sense, contact the person most likely able to help you or answer your questions. You are welcome to go up the chain as needed.

If you cannot reach the desired contact person, leave a voice mail message; but immediately follow it up with a text message.

(Generally, people check their text messages more frequently than they check voice mails)

Any incident that has caused personal injury, illness or property damage, whether caused by a fireworks vehicular accident shall be reported to

South Carolina – East Coast	-----	800-238-5114
Fred Cantrell	-----	803-984-9248
Scott Donahue	-----	803-517-2893
Joes Matthews	-----	803-558-9798
Carson Stogner	-----	843-337-5166
Jesse Salvesson	-----	423-494-4202

PYRO SHOWS TRAINING SEMINAR 2017

OUTDOOR DISPLAY MINIMUM DISTANCES TO REMEMBER	
35 FEET	PER SHELL INCH FROM MORTAR OF NON BURSTING COMET OR MINE TO SPECTATORS OR PARKING
70 FEET	PER SHELL INCH FROM MORTAR TO SPECTATORS OR PARKING
140 FEET	PER SHELL INCH FROM MORTAR TO HOSPITALS, JAILS OR BULK HAZ MAT STORAGE
2 FEET	PER SHELL INCH FROM MORTAR TO BUNKER THROUGH 6" SHELLS
4 FEET	PER SHELL INCH FROM MORTAR TO BUNKER LARGER THAN 6" SHELLS
25 FEET	BETWEEN AREA OF MANUAL FIRING AND ELECTRIC FIRING ON BARGES AND ROOFTOPS
25 FEET	TO OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, POWER LINES, OR ANTENNAS
50 FEET	DOWNWIND FROM FIREWORKS FOR SMOKING
50 FEET	FROM FIREWORKS TO SHELL REPAIR OR FUSE CUTTING ACTIVITY
50 FEET	FROM FIREWORKS TO PUBLIC AT SHOW SITE BEFORE PREPARATION
100 FEET	FROM FIREWORKS TO PUBLIC AT SHOW SITE DURING PREPARATION
75 FEET	FROM MORTARS TO UNSHELTERED OR UNBARRICADED CREW ON ELECTRIC SHOW
75 FEET	FROM LOW POWERED SET PIECES TO SPECTATORS OR PARKING
125 FEET	FROM HIGH POWERED SET PIECES, WHEELS, CAKES, OR ROMAN CANDLES TO SPECTATORS OR PARKING

PYRO SHOWS TRAINING SEMINAR 2017

HELPFUL HINTS WITH MOST COMMON QUESTIONS**FUSING WITH Z18 IGNITER CORD**

15 SEC DURATION	CUT TIMER FUSE 20 TO 21 INCHES
16 SEC DURATION	CUT TIMER FUSE 21 TO 22 INCHES
17 SEC DURATION	CUT TIMER FUSE 22 TO 23 INCHES
18 SEC DURATION	CUT TIMER FUSE 23 TO 24 INCHES
19 SEC DURATION	CUT TIMER FUSE 24 TO 25 INCHES
20 SEC DURATION	CUT TIMER FUSE 25 TO 26 INCHES
21 SEC DURATION	CUT TIMER FUSE 26 TO 27 INCHES
22 SEC DURATION	CUT TIMER FUSE 27 TO 28 INCHES

****WHEN FUSING WITH Z18 (RED CORD) YOU MUST TAPE ENTIRE LENGTH BETWEEN SHELLS****

ALL SIZES OF PRESTRUNG SHELLS ARE INTENDED TO LAST 15-20 SECONDS

ELECTRIC MATCH NOTES:

2M (ORANGE)	USE THESE FOR SETUPS, CANDLES, COMETS
3M (BLACK)	USE THESE FOR DIGITAL FIRING SYSTEMS
5M (BLUE)	USE THESE FOR CAKES AND SINGLE DEVICES
10M (ORANGE)	USE THESE FOR WATERFALL

NEVER SLIDE THE SAFETY CAP BACK FROM THE MATCH HEAD BEFORE INSERTING INTO FUSE

ELECTRICAL AND CONTINUITY NOTES:

ELECTRIC MATCH	2-3 OHMS OF RESISTANCE
24 GAUGE 2 PAIR WIRE	55 OHMS OF RESISTANCE PER 1000 FEET
25 PAIR CABLE	7-10 OHMS OF RESISTANCE PER 100 FEET

1 VOLT CAN FIRE 2 OHMS

Ex. 24 VOLT BATTERY CAN FIRE 48 OHMS, 36 VOLT BATTERY CAN FIRE 72 OHMS

BE SMART, BE SAFE, AND HAVE FUN!!!

ROUTE PLAN CHEKCLIST

SHOW : _____

Date: _____

- _____ Front Cover
- _____ Bill of Lading
- _____ Cue Sheets
- _____ Hotel Reservation (Alison)
- _____ Any Important Emails (M. Ford)
- _____ Music (if applicable) (Garrett)
- _____ Keys to any gates (if applicable)
- _____ Receipt Holder
- _____ Customer/Show Information (sales)
- _____ Route Plan / Directions
- _____ Site Diagram (sales)
- _____ Certificate of Insurance (Rigney)
- _____ Permit(s) (if applicable) (Rigney)
- _____ Regulatory Standard Information (GUTS)
- _____ Cue Logs (Separate Book if applicable) (Garrett)
- _____ OSFM Firework Checklist for NC Shows ONLY

COMPLETED : _____

Notes:

5. SHIPPING REQUIREMENTS

*** 5.1 Transportation Regulating Authorities** Transportation of fireworks is regulated by DOT. Some states and municipalities also regulate transportation of fireworks through their jurisdiction, often by incorporation of federal regulations.

*** 5.2 Approval** Except for samples prepared in accordance with DOT regulations, or unless specifically permitted by this Standard, no fireworks device or novelty may be offered for transportation or transported until it is classed and approved by DOT, and an approval number (EX number) is issued (Title 49 CFR, § 173.56.) (see chapters 3-4 and appendix D)

*** 5.2.1** EX numbers for fireworks contained in a shipping carton must be marked on the shipping carton or on the shipping paper.

*** 5.2.2** Cartons containing 5 or more different fireworks devices must be marked with at least 5 of the EX numbers covering items in the carton, or the EX numbers must appear on the shipping paper. (Title 49 CFR, §172.320(c) and (d))

*** 5.3 Packaging** With certain exceptions, Consumer Fireworks UN0336, Display Fireworks UN0335, Articles Pyrotechnic UN0431 and Novelties, must be securely packaged in containers complying with DOT regulations Title 49 CFR, § 178. Gross weight limitation per package is now dictated by the weight marked on the certified packaging. Articles with match or friction tip ignition must be packed so that each individual tip is protected against accidental contact or friction. Loose chemical composition may not be present in packages in transportation. (Title 49 CFR, §172.102(c), Special Provision (108))

*** 5.4 Placards** Unless otherwise provided, each motor vehicle, freight container and rail car must bear appropriate placards on each end and each side (Title 49 CFR, § 172.504 (a).) Vehicles containing packages of consumer fireworks or novelties which are labeled 1.4G require a 1.4G or Explosive 1.4G placard (Title 49 CFR, § 172.523,) and use of the word explosive is optional (Title 49 CFR, § 172.519(b)(3).) except highway and rail shipments of less than 1,000 pounds gross weight of such fireworks need not bear a placard (Title 49 CFR, § 172.504(c).) Vehicles containing display fireworks in any quantity require a 1.3G or Explosive 1.3G placard (Title 49 CFR, § 172.522) and use of the word explosive is optional (Title 49 CFR, § 172.519(b)(3).) If both 1.4G and 1.3G are present in a shipment, the 1.3G placard is required, and the 1.4G placard is not needed.

*** 5.5 Package Marking and Labeling** Each person who offers fireworks for transportation shall ensure that the package displays the appropriate square-on-point label (Title 49 CFR, § 172.400(a) and 172.411.) Use of the word explosive on the 1.3G and 1.4G labels is not required (Title 49 CFR §172.405(a).) Consumer fireworks, toy smoke devices, and trick noisemakers are either classed as 1.4G, 1.4S, or not regulated for transportation purposes. Display fireworks are classed as 1.3G (Title 49 CFR, § 172.101.) The label must be printed or affixed to the surface of the package near the proper

§172.519 General specifications for placards.

(a) *Strength and durability.* Placards must conform to the following:

(1) A placard may be made of any plastic, metal or other material capable of withstanding, without deterioration or a substantial reduction in effectiveness, a 30-day exposure to open weather conditions.

(2) A placard made of tagboard must be at least equal to that designated commercially as white tagboard. Tagboard must have a weight of at least 80 kg (176 pounds) per ream of 610 by 910 mm (24 by 36-inch) sheets, waterproofing materials included. In addition, each placard made of tagboard must be able to pass a 414 kPa (60 p.s.i.) Mullen test.

(3) Reflective or retroreflective materials may be used on a placard if the prescribed colors, strength and durability are maintained.

(b) *Design.* (1) Except as provided in §172.332 of this part, each placard must be as described in this subpart, and except for size and color, the printing, inner border and symbol must be as shown in §§172.521 through 172.560 of this subpart, as appropriate.

(2) The dotted line border shown on each placard is not part of the placard specification. However, a dotted or solid line outer border may be used when needed to indicate the full size of a placard that is part of a larger format or is on a background of a non-contrasting color.

(3) For other than Class 7 or the DANGEROUS placard, text indicating a hazard (for example, "FLAMMABLE") is not required. Text may be omitted from the OXYGEN placard only if the specific identification number is displayed on the placard.

(4) For a placard corresponding to the primary or subsidiary hazard class of a material, the hazard class or division number must be displayed in the lower corner of the placard. However, a permanently affixed subsidiary placard meeting the specifications of this section which were in effect on October 1, 2001, (such as, a placard without the hazard class or division number displayed in the lower corner of the placard) and which was installed prior to September 30, 2001, may continue to be used as a subsidiary placard in domestic transportation by rail or highway, provided the color tolerances are maintained and are in accordance with the display requirements in this subchapter.

(c) *Size.* (1) Each diamond (square-on-point) placard prescribed in this subpart must measure at least 250 mm (9.84 inches) on each side and must have a solid line inner border 12.5 mm inside and parallel to the edge. The 12.5 mm measurement is from the outside edge of the placard to the outside of the solid line forming the inner border.

(i) *Transitional exceptions.* A placard in conformance with the requirements of this paragraph in effect on December 31, 2014, may continue to be used until December 31, 2016.

(ii) For domestic transportation, a placard manufactured prior to January 1, 2017 in conformance with the requirements of this paragraph in effect on December 31, 2014, may continue in service until the end of its useful life provided the color tolerances are maintained and are in accordance with the display requirements of this subchapter.

(2) Except as otherwise provided in this subpart, the hazard class or division number, as appropriate, must be shown in numerals measuring at least 41 mm (1.6 inches) in height.

(3) Except as otherwise provided in this subpart, when text indicating a hazard is displayed on a placard, the printing must be in letters measuring at least 41 mm (1.6 inches) in height.

(d) *Color.* (1) The background color, symbol, text, numerals and inner border on a placard must be as specified in §§172.521 through 172.560 of this subpart, as appropriate.

(2) Black and any color on a placard must be able to withstand, without substantial change—

(i) A 72-hour fadeometer test (for a description of equipment designed for this purpose, see ASTM G 23-69 or ASTM G 26-70); and

(ii) A 30-day exposure to open weather.

(3) Upon visual examination, a color on a placard must fall within the color tolerances displayed on the appropriate Hazardous Materials Label and Placard Color Tolerance Chart (see §172.407(d)(4)). As an alternative, the PANTONE® formula guide coated/uncoated as specified for colors in §172.407(d)(5) may be used.

(4) The placard color must extend to the inner border and may extend to the edge of the placard in the area designated on each placard except the color on the CORROSIVE and RADIOACTIVE placards (black and yellow, respectively) must extend only to the inner border.

(e) *Form identification.* A placard may contain form identification information, including the name of its maker, provided that information is printed outside of the solid line inner border in no larger than 10-point type.

(f) *Exceptions.* When hazardous materials are offered for transportation or transported under the provisions of subpart C of part 171 of this subchapter, a placard conforming to the specifications in the ICAO Technical Instructions, the IMDG Code, or the Transport Canada TDG Regulations (IBR, see §171.7 of this subchapter) may be used in place of a corresponding placard conforming to the requirements of this subpart. However, a bulk packaging, transport vehicle, or freight container containing a material poisonous by inhalation (see §171.8 of this subchapter) must be placarded in accordance with this subpart (see §171.23(b)(10) of this subchapter).

(g) *Trefoil symbol.* The trefoil symbol on the RADIOACTIVE placard must meet the appropriate specification in appendix B of this part.

[Amdt. 172-123, 55 FR 52601, Dec. 21, 1990, as amended at 56 FR 66260, Dec. 20, 1991; 57 FR 45460, Oct. 1, 1992; Amdt. 172-143, 60 FR 50305, Sept. 28, 1995; 65 FR 50460, Aug. 18, 2000; 66 FR 33426, June 21, 2001; 66 FR 44255, Aug. 22, 2001; 67 FR 15743, Apr. 3, 2002; 70 FR 34075, June 13, 2005; 69 FR 64473, Nov. 4, 2004; 72 FR 25176, May 3, 2007; 76 FR 43528, July 20, 2011; 76 FR 56314, Sept. 13, 2011; 80 FR 1151, Jan. 8, 2015]

EMERGENCY RESPONSE INFORMATION

FIREWORKS, UN0335, EXPLOSIVE 1.3G

No chemical composition is release or exposed during normal handling, storage, and transportation. In the event of a vehicle fire that reaches the cargo area, the fireworks are likely to ignite. The individual fireworks will explode rapidly, spreading burning particles over a several hundred foot area. A mass explosion is possible, particularly with large quantities of fireworks, and precautions should be taken in the even that one does occur. Smoke and potentially irritation gasses will be produced in a fire. If the Fireworks are spilled as the result of an accident but do not ignite, they can safely be picked up and repackaged. The area should be kept cleared of unnecessary people while this is being done.

EMERGENCY ACTION

In case of fire, stop traffic and begin to clear the area for 2500 feet (1/2 mile) in all directions. Keep unnecessary people away.

Do not fight fire in cargo area. Try to prevent other types of fire form reading the cargo area. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide some limited protection. Firefighters should retreat if fire approaches cargo area.

FOR EMERGENCY RESPONSE INFORMATION DURING TRANSPORTATION CALL :

MONDAY – FRIDAY 8:00 AM TO 5:00 PM ESATERN TIME 1-800-238-5114. (PYRO SHOW'S EAST COAST OFFICE)

ALL OTHER TIMES: 1-800-255-3924

(ChemTel, Inc. Emergency Response Assistance Contract # MIS2595697)

FIRE

Truck Fire: (other than cargo area): Flood with water. Tire fires may start again. Unhook and separate tractor from trailer, if possible.

Cargo Fire: **DO NOT** move cargo or vehicle if cargo has been exposed to heat.

DO NOT fight fire if and when it reaches cargo. Withdraw from area and let fire burn. Use firefighting team to prevent spread of fire to adjacent structures and materials.

Promptly isolate the scene by removing all persons from the vicinity of the incident. First, move people out of the line of sight of the scene and away from windows. Obtain more information from competent authorities listed on the shipping papers.

SPILL OF CARGO

Shut of all ignition sources. There shall be not flares, smoking, tools capable of producing sparks, or flames in the vicinity of the spilled material. Cautiously pick up the spilled devices and place them in cardboard cartons.

FIRST AID

Call emergency medical care. Use first aid treatment according to the nature of the injury.

100 Air Mile Daily Driver Record

NAME: Jesse Salverson
 TRUCK #: P-36
 Trailer #: PST-15

CITY, STATE: LaFollette, TN

☒ EQUIPMENT
☐ 1.4G
☒ 1.3G

ON ROUTE COMMUNICATION RECORD

SHIPPER'S # / BOL: 17-TN-584-34B-1
 NAME OF DISPATCHER: Keyse Suttles

DEPARTURE TIME	ARRIVAL TIME
<u>8:00 AM</u>	<u>#1 9:45 AM</u>
	<u>#2</u>
	<u>#3</u>
	<u>#4</u>
	<u>#5</u>
	<u>#6</u>
	FINAL DESTINATION <u>9:45 AM</u>

DRIVER STATEMENT OF ON-DUTY / WORK HOURS
 Record of all hours for any compensated work during the preceding 7 days including non-driving work.

Day # 1 = Yesterday	1	2	3	4	5	6	7
WEEKDAY:	<u>Fri</u>	<u>TH</u>	<u>Wed</u>	<u>Tues</u>	<u>Mon</u>	<u>Sun</u>	<u>Sat</u>
DATE:	<u>1-12-18</u>	<u>1-11-18</u>	<u>1-10-18</u>	<u>1-9-18</u>	<u>1-8-18</u>	<u>1-7-18</u>	<u>1-6-18</u>
TIME: Reported to Duty	<u>8:00</u>	<u>8:00</u>	<u>8:00</u>	<u>8:00</u>	<u>8:00</u>	<u>N/A</u>	<u>N/A</u>
TIME: Relieved from Duty	<u>4:00</u>	<u>4:00</u>	<u>4:00</u>	<u>4:00</u>	<u>4:00</u>	<u>N/A</u>	<u>N/A</u>
TOTAL HRS PER DAY WORKED:	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>
TOTAL WEEKLY HOURS WORKED (add days 1-7 totals):							<u>56</u>

I hereby certify that the information above is correct to the best of my knowledge and belief.
 SIGNATURE: [Signature] TODAY'S DATE: 1-13-18

DRIVER SERVICE RECORD - (CHECK ONE)

☒ I AM DRIVING UNDER THE SHORT HAUL EXEMPTION - SEE RECORDS BELOW (100 Air Miles)
☐ I AM DRIVING UNDER THE TRALA 8-DAY SHORT TERM RENTAL EXEMPTION (Rental Trucks)
☐ I AM DRIVING UNDER THE 8 DAY ELD EXEMPTION - SEE ATTACHED LOG (8 Day Rule)
☐ I AM DRIVING USING A REQUIRED ELD

Time Reported to Duty 8:00
 AM / PM
 Time Released from Duty 1:00
 AM / PM
 TOTAL HOURS ON DUTY 7

REMARKS: Delivery to Pigeon Forge, TN

SIGNATURE: [Signature] TODAY'S DATE: 1-13-18

Date: 1-13-18
 Tractor/Truck #: P-36
 Trailer #: PST-15
 Defect Description: N/A

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown. Indicate whether defects are on

☐ ABOVE DEFECTS CORRECTED
☐ ABOVE DEFECTS NEED NOT BE CORRECTED FOR SAFE OPERATION OF VEHICLE

Mechanic Signature: _____ Date: _____

PYRO SHOWS, INC.

Hours of Service Policy & Disciplinary Program

This policy and disciplinary program is intended to keep Pyro Shows' drivers and their surroundings safe, while also complying with FMCSA regulation-CFR Part 395.

Hours of Service Policy

- Drivers may drive a total of 11 hours in one day.
- Drivers may not drive after the 14th hour of "on duty" time. Therefore, drivers can log more than 14 hours of "on duty" time in one day, so long as the driver does not do any CMV driving after the 14th hour of "on duty" time.
- At the conclusion of each day, drivers must have 10 or more hours "off duty" before they can return to "On Duty" or "Driving" status.
- Drivers may be "on duty" for a total of 60 hours in a 7 day period or 70 hours in an 8 day period. Once the driver has reached his total number of hours(60 in 7 days or 70 in 8 days), he may restart his driving period after 34 consecutive hours of "off duty" time.
- Pyro Shows' management must confer with drivers before sending them on the road to verify they have enough available hours to complete the task at hand.

Drivers' Logs

- Drivers' logs must be neat and legible, filled out correctly, and signed.
- Drivers must show 7 days prior to the current day.
- At each stop or change of duty status, the log must be updated.
- Logs should reflect breaks, fuel stops, inspections, etc. Mileage is encouraged to be logged at each change of duty status. The town and state where the change of duty status occurs must be logged.
- Driver logs must be turned in no later than 1 week after the end of a route/trip.
- When turning in logs to office administration, copies of supporting documents (fuel receipts, hotel bills, credit card statements, inspections, etc.) should be made and kept in that particular driver's DQ file.
- In a team driver scenario, both drivers must keep separate logs. Both logs must coincide and agree with each other.

Hours of Service Disciplinary Program

- Pyro Shows Management will check driver's logs to ensure compliance with Pyro Shows' Hours of Service Policy.
- Drivers will be notified if their log book is in violation of Pyro Shows' Hours of Service Policy.
- Drivers will be instructed on how to prevent a violation in the future.
- If errors and violations continue concerning hours of service/log books, appropriate disciplinary action will result based on Pyro Shows' discretion.

COBRA Common Troubleshooting Reference

The purpose of this document is to outline the common troubleshooting issues per device.

Device	Issue	Solution
Any	Er3 displaying on 7-segment displays	This is a stuck button error code. Make sure no buttons are pressed while the unit is powering on.
Any	Units not SYNCED or SYNCING	Please see http://www.cobrafiringsystems.com/sync to learn how to sync. Follow this procedure closely as it's commonly minor user error when this fails to occur.
Module	Er1 or Er2 displaying on 7-segment displays	1) Check battery orientation and power levels. 2) Confirm correct voltage mode. This is the number (9.0, 12.0, 14.8, 18.0, or 24.0) that displays during power up. 9V modules should display 9.0. LiPo modules should display 14.8. To change, press TEST and CH+ or TEST and CH- to toggle the mode. Re-start the module. 3) If 2P0 displays during power up AND module has cues wired, try to remove wired cues as you may have a bad cue. If error does not appear if that cue is not wired, then please don't use this cue during the show.
Module	Er5 displaying on 7-segment displays	Re-sync the module to the remote. See http://www.cobrafiringsystems.com/sync . If this does not resolve issue, confirm the firmware versions match on the remote and module. These are the first three numbers displayed when powering on.
Remote	Key switch broken	If you broke the key switch on the remote, it can be hot-wired as a short term solution. To perform this, remove the back half enclosure and cut the two wires that goto the key switch. Then, strip back the insulation, connect the wires, and use tape to shield them. You can insert the batteries into the remote to power on.
Remote	Lo repeatedly flashing	1) If Lo flashes and an A## value does not display after, then your 18R or 18R2 has a power level of P3 or lower. Replace your remote batteries. 2) If Low flashes followed by A##, then the module with address A##, for example, A01, has a 1P3 or lower. Check and replace the 1P battery. To determine address on a module, press and release the TEST button on the module.
Remote	ARM LED does not stop blinking on 18R or 18R2	This means that one or more modules that were recognized in TEST mode, are not acknowledging as armed in ARM mode. When this happens, the 18R or 18R2 will display the module address as A## to inform you which module is not armed. To determine a module's address, press TEST on the module. This can occur for one of the following reasons: 1) The module key is in the TEST and not ARM position. 2) If you are running 5.0.0 or 5.0.2, power off and on the module.. 3) The module key is in the ARM position, but there is something wrong with the key switch that makes the module think it's key is in the TEST position. If you restart the module in ARM and the 1-18 LEDs display all green and all red, then it thinks the key is in the TEST position. You need to swap the key switch, module, or hot-wire the module. See http://www.cobrafiringsystems.com/hotwire18m.jpg.
Remote	Lo Ant repeatedly displaying	This means that one or more of your modules have a low signal. 0 is perfect signal, -99 is bad signal. If you are running 4.0.0, this displays for any signal between -65 and -99. If you are running 5.0.0+, this displays for any signal between -75 and -99. Any signal between 0 and -75 is acceptable. After Any is displayed, the module address is displayed to identify which module has low signal. In 5.0.0+, the module address and then channel is displayed. To resolve, find the module in question and try to improve line of site by raising the module removing barriers, and obtaining better line of site. Confirm the antenna is tight, try replacing the antenna. If you are operating 5.0.0+, you can use other modules as signal repeaters to improve signal.

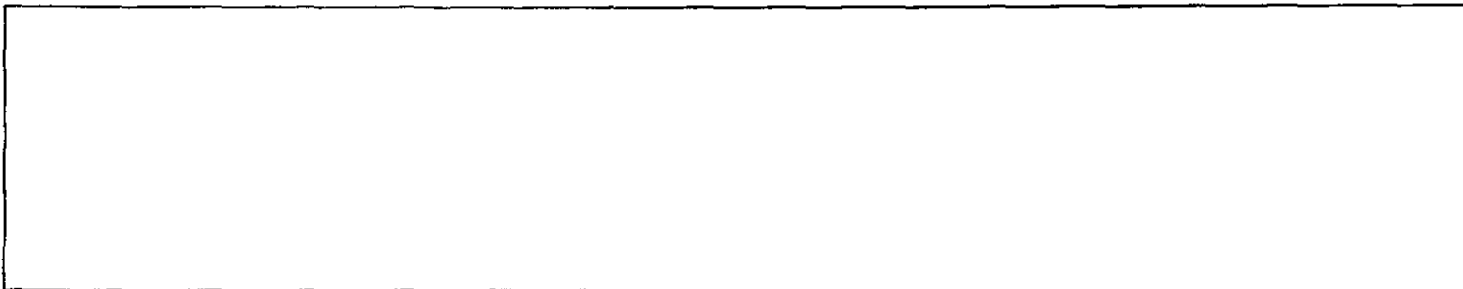
Device	Issue	Solution
Remote	Green continuity LEDs blinking	This occurs when you have multiple modules on the same channel and partial continuity on each module. This is normal behavior assuming you intentionally have multiple modules on the same channel. To view continuity on each module, repeated press the TEST button on the 18R2 and the module address and associated continuity will display. To determine a module's address, press TEST on the module.
Remote	PAU displaying when trying to start the script	It's likely that you are running 5.0.0 or greater and you had defined a trigger confirmation in your script. In 5.0.0+, this argument is now the deadman argument. This was likely not intended, but in order for the script to fire, you need to press and hold the confirmation / deadman button throughout the script.
Remote	All LEDs go red and Er 50 is displayed when syncing	You have maxed out the total number of module addresses (200) which you can SYNC to a remote. You need to force un-sync the remote only, then re-sync your modules. The instructions to perform this on the 18R or 18R2 varies by firmware version. In 3.0.3 or earlier, press SYNC for 10+ seconds. In 4.0.0, press SYNC for 30+ seconds. In 5.0.0+, press CH+ and CH- for 30+ seconds. In all cases, the SYNC LED will flash a few times when complete. Once done, re-sync your units.
Remote	SP displaying at bottom of 18R2 when script is started or playing	This means the script has a STEP event defined and the STEP button must be pressed to fire the current event in the script.
Remote	No modules appearing on 18R2	This can happen for several reasons. 1) When the 18R2 first arms, it's common to see 0 appear on the 18R2 and for this to repeat for a while. If you have higher module counts, this is normal as the 18R2 ARM LED will blink. You should have all modules appear in about 1-2 seconds per module. Be patient and wait for the modules to load. 2) Confirm your modules are in SYNC. The SYNC LED should be blinking on the modules. If not, see http://www.cobrafiringsystems.com/sync 3) If you are running 5.0.0, if no modules load or if all modules are not responding, please power off all modules and the 18R or 18R2. Then, power on your systems from scratch.
Remote	Script not starting	Make sure the script designer has provided you the correct trigger channel and that your 18R2 is on the correct channel. If the script was created with Finale Fireworks, the trigger channel is c00 and the trigger button is 1. Make sure your remote is on channel 00 and not 01 if this is the case.
Audio Box	Audio Box	The audio file and 18R2 should be dry run before every show. If this did not occur, there are a few reasons why the Audio Box may not be starting with the script. 1) If your running 3.0.3, the audiofile must be named audiobox.mp3. In some cases, users will type the .mp3 extension into the filename causing this to be audiobox.mp3.mp3. Make sure the .mp3 does not exist in the filename. 2) If you are running 4.0 or greater, make sure the audio filename defined in the script, matches the audio filename on the USB drive. Also, make sure the total characters of the filename are less than 12 characters including the .mp3 extension. Also, make sure there are no spaces or special characters in the filename. 3) The audio .mp3 file was not properly formatted using Audacity per the audio box instructions. See the appendix in http://www.cobrafiringsystems.com/static/userguides/COBRAAudioBoxDetailedUserGuide.pdf. In the worst case situation, you can press the AUDIO TEST button on the audio box to start the audio. If this does not play the audio, make sure the audiofile is named audiobox.mp3 as stated in #1 above.

COBRA Show Problem - What to do?

The purpose of this document is provide instructions on how to best handle any type of issue on your show. Issues can be caused by the operator, equipment, environment or other factors. It's important to treat the shoot site as a crime scene so that you can have as much information as possible to allow us to work with you to resolve the issue.

What was the problem?

Please try to describe as best as possible what issue happened during the show. For example, did a module not fire, did a cue not fire? Please use as much description as possible to detail the issue down to the specific cue #, module address, or whatever may be relevant.



In order to have as much evidence / information as possible, please perform the following steps:

Label / Quarantine the Equipment

Place a piece of tape and use a marker to label any equipment with the specifics of what did not happen. For example, label a module "Cue #1 did not fire".

Save the E-matches or Talons

Save any e-matches, MJG initiators, or Talon igniters that may not have fired. We will want to test these afterwards.

Take a Video

Use your camera phone to take a video of the module, remote, or any equipment as the problem happens, or after the problem happens. Small details such as a crossed wire, error codes, or information displayed on the module can be critical to resolving.

Keep the Batteries

Do not throw away the batteries or remove them from the module in order to preserve their original 1P or 2P locations. We will want to test these later.

Do not Re-sync or Clear any Scripts from Remote

Do not un-sync, re-sync, or clear any scripts from the remote. Keep the remote as-is and don't make any changes. We'll want to test everything as it was during the show.

Re-call Information and Write it Down

Re-call the events of the show leading into the issue and make detailed notes as soon as possible. Our memories may change as time goes on and it's critical to note everything immediately.

Contact Scott Smith at ssmith@cobrafiringsystems.com or 518-222-7410

Contact Scott to provide him this information. He can help you by asking the correct questions and providing further assistance to ensure we can avoid any further issues, whether operator or equipment. He is genuinely interested in helping as he is on our team.

SAFETY DATA SHEET

Conforms to OSHA'S Hazard Communication Standard 29 CFR 1910.1200

Section I-Identification

FIREWORKS 1.3G UN0335

Manufacturer Name and Address

Dancing Fireworks Group Co. Ltd.
Lihua Village, Yanxi Town, LiuYang, Hunan, China

ChemTel 24 Hour

Domestic: 1-800-668-7809
Emergency Response: International: 1-800-668-7809
Telephone Number: 86-731-83666268
Data Prepared: May 31st, 2015

Section II-Hazard(s) Identification



DANGER: Explosive; fire, blast or projection. Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Contains pyrotechnic composition; a solid mixture of oxidizer and fuel that burns if ignited. These items are classified as Fireworks, 1.3G, UN0335, PGII, Explosives by the U.S. Department of Transportation. No chemical components are released during normal handling and storage of shells. During function, gases and smoke are produced that may contain various oxides, chlorides, and other gaseous and particulate products.

SECTION III-Composition/Information on Ingredients

Exact Percentage (Concentration) of composition has been withheld as a trade secret, and or is used for a group of substantially similar mixtures:

Red Star: Potassium Perchlorate, Magnalium, Resinox, Strontium Carbonate, Shellac, Polyvinyl chloride.

Green Star: Potassium Perchlorate, Barium Nitrate, Magnalium, Charcoal, Resinox, Polyvinyl chloride.

Blue Star: Potassium Perchlorate, Sulfur, Magnalium, Copper Oxide, Resinox.

Yellow Star: Potassium Perchlorate, Strontium Carbonate, Magnalium, Resinox, Cryolite.

Purple Star: Potassium Perchlorate, Strontium Carbonate, Magnalium, Resinox, Copper Oxide, Polyvinyl chloride, Shellac.

Silver Star: Potassium Perchlorate, Aluminum, Magnalium, Resinox.

White Star: Potassium Perchlorate, Magnalium, Resinox.

Gold Star: Potassium Perchlorate, Charcoal, Magnalium, Resinox, Polyvinyl chloride, Cryolite.

Light Blue Star: Potassium Perchlorate, Charcoal, Magnalium, Resinox, Polyvinyl chloride, Copper Oxide.

Sea Blue Star: Potassium Perchlorate, Barium Nitrate, Magnalium, Resinox, Copper Oxide, Chlorinated Rubber.

Lemon Star: Potassium Perchlorate, Barium Nitrate, Charcoal, Magnalium, Resinox, Polyvinyl chloride, Cryolite.

Pink Star: Potassium Perchlorate, Magnalium, Resinox, Strontium Carbonate, Sulfur, Polyvinyl chloride, Copper Oxide, Shellac.

Orange Star: Potassium Perchlorate, Strontium Carbonate, Magnalium, Resinox, Polyvinyl Chloride, Shellac, Cryolite.

Aqua Star: Potassium Perchlorate, Barium Nitrate, Magnalium, Resinox, Copper Oxide, Chlorinated Rubber.

Chrysanthemum: Potassium Perchlorate, Potassium Nitrate, Sulfur, Charcoal, Flour.

Crossette: Potassium Perchlorate, Sulfur, Magnalium, Charcoal, Potassium Nitrate.

Salute: Potassium Perchlorate, Sulfur, Magnalium, Titanium.

Wave: Potassium Perchlorate, Sulfur, Magnalium, Charcoal, Cryolite.

Silver Crown: Potassium Perchlorate, Magnalium, Aluminum, Resinox.

Brocade crown: Potassium Nitrate, Sulfur, Charcoal, Dextrine, Titanium.

Crackling: Magnalium, Flour, Copper Oxide, Bismuth Oxide.

Time Rain: Magnalium, Flour, Copper Oxide, Bismuth Oxide, Titanium.

Red Gamboge: Potassium Perchlorate, Potassium Nitrate, Sulfur, Charcoal.

Diadem Chrys.: Potassium Nitrate, Sulfur, Charcoal.

Red Gamboge Crown: Potassium Perchlorate, Sulfur, Charcoal, Flour.

Gold Willow: Potassium Perchlorate, Sulfur, Charcoal.

Coconut Tree: Potassium Nitrate, Sulfur, Charcoal, Magnalium, Titanium.

Strobe: Potassium Perchlorate, Potassium Nitrate, Barium Nitrate, Sulfur, Charcoal, Magnalium, Flour, Copper Oxide.

Gold Kamuro: Potassium Nitrate, Sulfur, Charcoal, Magnalium, Resinox.

Fish: Potassium Perchlorate, Barium Nitrate, Magnalium, Resinox, Cryolite.

Bee: Potassium Perchlorate, Magnalium, Resinox, Aluminum.

Falling Leaves: Potassium Nitrate, Sulfur, Aluminum, Magnalium, Resinox.

Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (Air=1): N/A

Solubility in Water: Slight

Appearance and Odor: All pyrotechnic composition is contained within hard cardboard or paper casings that may be shaped as cylinders, balls or tubes.

Specific Gravity (H₂O=1): N/A

Melting Point: N/A

Evaporation Rate (Butyl Acetate=1): N/A

Section IV-First Aid Measures

Call emergency medical care. Use first aid treatment according to the nature of the injury.

Section V-Fire-Fighting Measures

In case of fire, evacuate area. Do NOT fight fire when fire reaches explosives. Explosion risk in case of fire.

Truck fire (other than cargo area): Flood with water. Tire fires may re-start. If possible, unhook and separate tractor from trailer. Remove vehicle that is not involved in fire from fire area if you can do so without risk. If cargo area is exposed to heat and flames, direct water spray on outside of container to cool it down. Continue to spray until well after the fire is out.

Cargo fire **Do not** move cargo or vehicle if cargo has been exposed to heat. Withdraw from area if and when the fire reaches cargo and let fire burn. Use firefighting team to prevent spread of fire to adjacent structures and materials. Promptly isolate the scene by removing all persons from the vicinity of the incident. First, move people out of line-of-sight of the scene and away from windows. Obtain more information from appropriate authorities listed on the shipping papers.

Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide some limited protection. Firefighters should retreat if fire approaches cargo area, and use unmanned hose holder to direct water spray on fire.

For additional information, call the shipper using the emergency telephone number listed on the shipping papers; if there is no answer, call American Pyrotechnics Association's 24-hour number (800-255-3924).

Section VI-Accidental Release Measures

Cargo Spill: ELIMINATE all ignition sources. There shall be no flares, smoking, and tools capable of producing sparks, or flames in the vicinity of the spilled material. Cautiously pick up the spilled devices and place them in cardboard cartons. Do not touch or walk through spilled material.

Waste Disposal Method: Soak any exposed chemical composition with water; sweep up with natural fiber brush and dispose of by burning in compliance with local, state, and federal regulations.

Section VII-Handling and Storage

Keep fireworks cool, dry, and well ventilated area. Avoid impact with shipping cartons. Fireworks must be stored and transported in accordance with local, state, and federal regulations. Protect against physical damage and moisture. Fireworks should be isolated from all heat sources, sparks, and open flames. No smoking.

Other Precautions: Fireworks 1.3G UN0335 can cause serious injury or death. They should only be handled by properly trained and qualified personnel. When shooting these fireworks, personnel should wear proper eye protection, head protection and non-synthetic clothing.

Section VIII-Exposure Controls/Personal Protection

Respiratory Protection (Specify Type): None when handling finished item.

Ventilation: N/A

Local Exhaust: N/A

Mechanical (General): N/A

Special: N/A

Other: N/A

Protective Gloves: None required

Eye Protection: When shooting Fireworks 1.3G

Other Protective Clothing and Equipment: Protective head gear and non-synthetic clothing when shooting fireworks 1.3G

Section IX-Physical and Chemical Properties

Boiling Point: N/A

Specific Gravity (H₂O=1): N/A

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (Air=1): N/A

Evaporation Rate (Butyl Acetate=1): N/A

Solubility in Water: Slight

Appearance and Odor: All pyrotechnic composition is contained within hard cardboard or paper casings that may be shaped as cylinders, balls or tubes.

Flash Point: N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Do not attempt to fight fire in the vicinity of display fireworks – evacuate area. Materials are self-oxidizing.

Special Fire Fighting Procedures: Evacuate fire area immediately and seek shelter. Follow established emergency action plan.

Unusual Fire and Explosion Hazards: Display fireworks may mass explode in a fire situation.

Section X-Stability and Reactivity

Stability: Stable

Conditions To Avoid: Storage at temperatures above 120° F. Open flames, smoking, moisture, friction or impact in the vicinity of stored fireworks.

Incompatibility (Materials to Avoid): Do not allow fireworks to get wet.

Hazardous Decomposition or Byproducts: Smoke generated during use of devices may contain small amounts of carbon

monoxide, hydrogen sulfide, and nitrogen oxides. Avoid prolonged inhalation.

Hazardous Polymerization: Will not occur

Section XI-Toxicological Information

Route(s) of Entry: Inhalation? N/A Skin? N/A Ingestion? N/A

Health Hazards (Acute and Chronic): Exposure to finished items does not pose any health hazard. However, ground level smoke generated during shooting of public displays may contain gasses which may cause irritation of eyes or mucous membrane. Prolonged inhalation of smoke should be avoided.

Carcinogenicity: No **NTP?** No **ARC Monographs?** No **OSHA Regulated?** No

Signs and Symptoms of Exposure: Prolonged exposure to smoke generated during shooting of shells may cause shortness of breath and irritation of eyes and mucous membranes.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing respiratory conditions (i.e. asthma, emphysema, etc.) should avoid inhalation of smoke.



VELVET SHIELD

CARBONIZED FIBER WELDING PROTECTION

Welding Blanket

Lightweight, soft and flexible
Welding Blanket material, provid-
ing incredible ease of use, while
withstanding high heat.*

- Velvet Shield® welding blankets are made with a carbonized fiber fabric that was developed from NASA technologies and is fire and heat resistant.
- Versatile blankets are soft and lightweight, providing incredible ease-of-use.
- Provides protection from sparks and spatter.
- Easy to clean; just shake, vacuum or blow metal particles out.
- Available in several stock Blanket sizes, 18"x18" Pad, and 50-yard rolls.

Operating Temperature 1800° F

Also available:
18" x 18"
Velvet Shield
Pad



The softest
and toughest
welding
protection ever
— up to
1800°F

Material	Size
316	6' x 8'
Part No.:	
316-6X8 (31686)	

Approved Welding Pad



Steiner Industries 5801 North Tripp Avenue Chicago, IL 60646-6013

Phone: (800) 621-4515 Fax: (773) 588-3450

info@steinerindustries.com www.steinerindustries.com

* NOTE: See back for instructions and warnings.

VELVET SHIELD PRODUCTS

INSTRUCTIONS FOR USE:

- 1) Velvet Shield® products are designed to be used only for welding, brazing and soldering. The material is not intended for use in high soaking temperatures (i.e. ovens or confined spaces where temperatures exceed 200°F) OR severe use conditions where excessive molten metal slag or heavy grinding operations would cause the blanket or pad to exceed their maximum use temperature.
- 2) Carefully check to be sure that the areas to be protected are completely covered and sparks cannot get under the blanket or pad.
- 3) Check the blanket or pad for holes or tears that would allow sparks to reach the area being protected.
- 4) Avoid contact with flammable liquids that would ignite if exposed to sparks, spatter or heat.
- 5) Do not clean with water or other liquids.
- 6) Velvet Shield® products must be positioned at least one foot away from the welding torch.
- 7) Not recommended for grinding applications as metal shavings and particles are easily embedded within the Velvet Shield® material.

WARNING:

VELVET SHIELD® BLANKETS, PADS AND/OR ROLLS SHOULD BE USED AS WELDING BLANKETS, PADS OR ROLLS ONLY. THEY ARE NOT INTENDED FOR USE IN STRESS RELIEF, HEAT TREATING, AS AN INSULATOR, OR ANY OTHER APPLICATION, OTHER THAN WELDING APPLICATIONS.

VELVET SHIELD® PRODUCTS SHOULD NOT BE EXPOSED TO TEMPERATURES EXCEEDING 200°F FOR EXTENDED PERIODS. THE VELVET SHIELD® PRODUCT SHOULD NOT BE DIRECTLY EXPOSED TO, OR IN DIRECT CONTACT WITH, THE PRIMARY HEAT SOURCE.

DO NOT USE A VELVET SHIELD® PRODUCT WHEN WET. IT WILL CONDUCT HEAT AND ELECTRICITY.

USE CAUTION TO PREVENT VELVET SHIELD® PRODUCTS FROM COMING INTO ACCIDENTAL CONTACT WITH FLAMMABLE LIQUIDS THAT WOULD IGNITE IF EXPOSED TO SPARKS.

OXY-FUEL OR THE PLASMA CUTTING PROCESS FLAME, PILOT ARC AND CUTTING STREAM GENERATE TEMPERATURES ABOVE 3000°F, WELL ABOVE THE MAXIMUM RATING OF THE VELVET SHIELD MATERIAL.

Use of this product in a manner not consistent with the operating instructions may cause product failure. Highly localized concentrations of molten metal, grinding particles or debris may cause product failure and may support combustion.

* Maximum allowable service temperature is 1800°F, and 3000°F for short duration.

DISCLAIMER:

THIS PRODUCT IS WARRANTED TO BE FREE FROM DEFECTS IN MANUFACTURING ONLY. BECAUSE APPLICATIONS VARY, THE USER MUST DETERMINE PRODUCT SUITABILITY FOR A SPECIFIC APPLICATION AND THE USER ASSUMES ALL RISKS IN CONNECTION THEREWITH. A CAREFUL ANALYSIS SHOULD BE MADE BEFORE SELECTING PROTECTIVE EQUIPMENT FOR EACH PARTICULAR APPLICATION. AS A RESULT OF ONGOING RAW MATERIAL SPECIFICATION CHANGES, RECOMMENDED APPLICATIONS, TEMPERATURES AND OTHER STATED SPECIFICATIONS ARE PRESENTED AS GENERAL GUIDELINES ONLY AND ARE PROVIDED WITHOUT ANY GUARANTEE OR RESPONSIBILITY ON THE PART OF STEINER INDUSTRIES. STEINER INDUSTRIES RESERVES THE RIGHT TO CHANGE RECOMMENDATIONS AND SPECIFICATIONS AS FURTHER KNOWLEDGE IS GAINED. WHILE STEINER INDUSTRIES BELIEVE ALL OF THE INFORMATION TO BE CORRECT, IT IS NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS.

If you have any questions, contact Steiner Industries, Inc. at (800) 621-4515 for Velvet Shield® Material Safety Data Sheets or visit our website at www.steinerindustries.com.

Steiner Industries 5801 North Tripp Avenue Chicago, IL 60646-6013

Phone (800) 621-4515

info@steinerindustries.com

Fax (773) 588-3450

www.steinerindustries.com

Approved Welding Pad





Fireworks Display Checklist (Operator)

Display Pre-Set Up	1. County permit has been approved and issued.	☐
	2. Confirm actual measurements of the display site match measurements submitted on the county permit application and distances are appropriate for the sizes of devices being used.	☐
	3. Confirm there are no additional hazards located in or near the display site.	☐
	4. The location of the spectator area meets the required distances.	☐
	5. Ensure all smoking materials, matches, lighters, or open flames are prohibited within 50 feet of fireworks.	☐
	6. All North Carolina Office of State Fire Marshal issued permits are visible.	☐
	7. All assistants are permitted or on-site certified.	☐
Display Set Up	8. All fireworks, launch equipment, and pyrotechnic materials are protected from inclement weather and kept dry at all times.	☐
	9. Ensure only authorized personnel are allowed at the discharge site during set up.	☐
	10. No personnel at the discharge site are under the influence of alcohol, narcotics, or medication that could adversely affect judgment, mobility, or stability.	☐
	11. Verify all personnel are aware of and follow safe handling practices and loading procedures for all pyrotechnic devices.	☐
	12. Verify no sources of ignition are present in the discharge site. Hazards for electrically fired displays may include exposed battery terminals, cell phones, or other electronic or rechargeable devices. Wireless remotely fired displays may be sensitive to other radio frequency (RF) generating devices such as cell phones or two-way radios.	☐
	13. All mortars and racks are made of approved materials, and are of sufficient strength, length, and durability to allow shells to be propelled to safe deflagration heights.	☐
	14. All shells properly fit mortars and all larger shells are pre-loaded as required.	☐
	15. All mortars, mortar racks, bundles, pre-loaded box items, cakes, candles, and ground displays are thoroughly inspected and deemed inherently stable.	☐



Fireworks Display Checklist - continued (Operator)

Display Firing	16. No personnel at the discharge site are under the influence of alcohol, narcotics, or medication that could adversely affect judgment, mobility, or stability.	☐
	17. Verify all personnel understand their assigned duties and responsibilities during the display.	☐
	18. Ensure only necessary personnel are located within the discharge area while the display is in progress.	☐
	19. Only flashlights or other non-incendive lighting devices are used in firing and ready box areas.	☐
	20. Personnel in the discharge area are wearing long-sleeved and long-legged clothing made of cotton, wool or similar flame resistant cloth.	☐
	21. Personnel in the discharge area are using all required personal protective equipment including head, eye, hearing, and foot protection.	☐
	22. Fire service and EMS are present and in appropriate locations.	☐
Post-Display	23. Verify access to the display site is restricted and that no unauthorized persons or vehicles are located within the display site.	☐
	24. Verify sources of ignition are terminated such as fusees or portfires are extinguished or electrical firing panels are disconnected.	☐
	25. Confirm display site access remains restricted while being inspected for unfired or malfunctioned pyrotechnic devices.	☐
	26. All discharge areas are treated as if unfired or malfunctioned pyrotechnic devices are present.	☐
	27. After adequate time has elapsed all mortars, box items, cakes, candles, and ground display pieces are cautiously inspected for any unfired pyrotechnic devices.	☐
	28. Any unfired or malfunctioned pyrotechnic devices are properly handled and/or properly packaged for return to the supplier.	☐

SAFETY REGULATIONS PART 397

General

§397.2 Compliance with Federal motor carrier safety regulations.

A motor carrier or other person to whom this part is applicable must comply with the rules in Part 390 through 397, inclusive, of this subchapter when he/she is transporting hazardous materials by a motor vehicle which must be marked or placarded in accordance with §177.823 of this title.

[37 FR 18080, Sept. 7, 1972]

§397.3 State and local laws, ordinances and regulations.

Every motor vehicle containing hazardous materials must be driven and parked in compliance with the laws, ordinances, and regulations of the jurisdiction in which it is being operated, unless they are at variance with specific regulations of the Department of Transportation which are applicable to the operation of that vehicle and which impose a more stringent obligation or restraint.

§397.5 Attendance and surveillance of motor vehicles.

(a) Except as provided in paragraph (b) of this section, a motor vehicle which contains a Division 1.1, 1.2, or 1.3 (explosive) material must be attended at all times by its driver or a qualified representative of the motor carrier that operates it.

(b) The rules in paragraph (a) of this section do not apply to a motor vehicle which contains Division 1.1, 1.2, or 1.3 material if all the following conditions exist—

(b)(1) The vehicle is located on the property of a motor carrier, on the property of a shipper or consignee of the explosives, in a safe haven, or, in the case of a vehicle containing 50 pounds or less of a Division 1.1, 1.2, or 1.3 material, on a construction or survey site; and

(b)(2) The lawful bailee of the explosives is aware of the nature of the explosives the vehicle contains and has been instructed in the procedures which must be followed in emergencies; and

(b)(3) The vehicle is within the bailee's unobstructed field of view or is located in a safe haven.

(c) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3, materials, and which is located on a public street or highway, or the shoulder of a public highway, must be attended by its driver. However, the vehicle need not be attended while its driver is performing duties which are incident and necessary to the driver's duties as the operator of the vehicle.

(d) For purposes of this section—

(d)(1) A motor vehicle is attended when the person in charge of the vehicle is on the vehicle, awake, and not in a sleeper berth, or is within 100 feet of the vehicle and has it within his/her unobstructed field of view.

(d)(2) A qualified representative of a motor carrier is a person who—

(d)(2)(i) Has been designated by the carrier to attend the vehicle;

(d)(2)(ii) Is aware of the nature of the hazardous materials contained in the vehicle he/she attends;

(d)(2)(iii) Has been instructed in the procedures he/she must follow in emergencies; and

(d)(2)(iv) Is authorized to move the vehicle and has the means and ability to do so.

(d)(3) A safe haven in an area specifically approved in writing by local, State, or Federal governmental authorities for the parking of unattended vehicles containing Division 1.1, 1.2, or 1.3 materials.

(e) The rules in this section do not relieve the driver from any obligation imposed by law relating to the placing of warning devices when a motor vehicle is stopped on a public street or highway.

[59 FR 63925, Dec. 12, 1994]

§397.7 Parking.

(a) A motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must not be parked under any of the following circumstances—

(a)(1) On or within 5 feet of the traveled portion of a public street or highway;

(a)(2) On private property (including premises of a fueling or eating facility) without the knowledge and consent of the person who is in charge of the property and who is aware of the nature of the hazardous materials the vehicle contains; or

(a)(3) Within 300 feet of a bridge, tunnel, dwelling, or place where people work, congregate, or assemble, except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

(b) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3 materials must not be parked on or within five feet of the traveled portion of public street or highway except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

397.11 Fires.

- (a) A motor vehicle containing hazardous materials must not be operated near an open fire unless its driver has first taken precautions to ascertain that the vehicle can safely pass the fire without stopping.
- (b) A motor vehicle containing hazardous materials must not be parked within 300 feet of an open fire.

§397.13 Smoking.

No person may smoke or carry a lighted cigarette, cigar, or pipe on or within 25 feet of—

- (a) A motor vehicle which contains Class 1 materials, Class 5 materials, or flammable materials classified as Division 2.1, Class 3, Divisions 4.1 and 4.2; or
- (b) An empty tank motor vehicle which has been used to transport Class 3, flammable materials or Division 2.1 flammable gases, which, when so used, was required to be marked or placarded in accordance with the rules in §177.823 of this title.

[59 FR 63925, Dec. 12, 1994]

§397.15 Fueling.

When a motor vehicle which contains hazardous materials is being fueled—

- (a) Its engine must not be operating; and
- (b) A person must be in control of the fueling process at the point where the fuel tank is filled.

§397.17 Tires.

- (a) A driver must examine each tire on a motor vehicle at the beginning of each trip and each time the vehicle is parked.
- (b) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be flat, leaking, or improperly inflated, the driver must cause the tire to be repaired, replaced, or properly inflated before the vehicle is driven. However, the vehicle may be driven to the nearest safe place to perform the required repair, replacement, or inflation.
- (c) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be overheated, the driver shall immediately cause the overheated tire to be removed and placed at a safe distance from the vehicle. The driver shall not operate the vehicle until the cause of the overheating is corrected.
- (d) Compliance with the rules in this section does not relieve a driver from the duty to comply with the rules in §§397.5 and 397.7.

[67 FR 62192, Oct. 4, 2002]

§397.19 Instructions and documents.

- (a) A motor carrier that transports Division 1.1, 1.2, or 1.3 (explosive) materials must furnish the driver of each motor vehicle in which the explosives are transported with the following documents:
 - (a)(1) A copy of the rules in this part;
 - (a)(2) [Reserved]
 - (a)(3) A document containing instructions on procedures to be followed in the event of accident or delay. The documents must include the names and telephone numbers of persons (including representatives of carriers or shippers) to be contracted, the nature of the explosives being transported, and the precautions to be taken in emergencies such as fires, accidents, or leakages.
- (b) A driver who receives documents in accordance with paragraph (a) of this section must sign a receipt for them. The motor carrier shall maintain the receipt for a period of one year from the date of signature.
- (c) A driver of a motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must be in possession of, be familiar with, and be in compliance with
 - (c)(1) The documents specified in paragraph (a) of this section;
 - (c)(2) The documents specified in §177.817 of this title; and
 - (c)(3) The written route plan specified in §397.67.

[59 FR 63925, Dec. 12, 1994; 63 FR 33280, June 18, 1998]

Emergency Response
Explosives- Division 1.1, 1.2, 1.3, 1.5, or: Class A & B
UN0335, Fireworks, 1.3G, PG II
UN0333, Fireworks, 1.1G, PGII

CARGO Fires

- DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!
- Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn
- Do not move cargo or vehicle if cargo has been exposed to heat.

Tire or Vehicle Fires

- Use plenty of water -FLOOD it! If water is not available, use CO2, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready

SPILL or LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded
- Do not touch or walk through spilled material.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet OF ELECTRIC DETONATORS.
- DO NOT CLEAN UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

FIRST AID

- Move victim to fresh air, Call emergency medical care.
- Apply artificial respiration if victim is not breathing
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least for 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

FIRE OR EXPLOSION

- MAY EXPLODE AND THROW FRAGMENTS 1600 meters (1 MILE) OR MORE IF FIRE REACHES CARGO.
- For information on "Compatibility Group" letters, refer to Glossary section in Emergency Response Guidebook.

HEALTH

- Fire may produce irritating, corrosive and / or toxic gases.

PUBLIC SAFETY

- CALL Emergency Response Telephone Number on Shipping Paper first.
- CALL CHEM-TEL'S 24- HOUR NUMBER (800) 255-3924
- Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away.
- Stay upwind.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters protective clothing will only provide limited protection.

EVACUATION

LARGE SPILL

- Consider initial evacuation for 800 meters (1/2 mile) in all directions.

Fire

- If rail car or trailer is involved in a fire and heavily encased explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600M (1 mile in all directions; also initiate evacuation including emergency responders for 1600M (1 mile) in all directions.
- When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/06/2017

Revision: 01/06/2017

1 Identification

- **Product identifier**
Fireworks, Division 1.3 Explosive
- **Trade name:**
Fireworks, Display
- **Product code:**
Fireworks, 1.3G UN0335
- **Recommended use and restriction on use**
- **Recommended use:** Explosive product for professional use for entertainment and technical purposes
- **Restrictions on use:** Contact manufacturer/supplier
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
East Coast Pyrotechnics
4652 Catawba River Road
Catawba, SC 29704
803-789-5733
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Expl. 1.3 H203 Explosive; fire, blast or projection hazard.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS01
- **Signal word:** Danger
- **Hazard statements:**
H203 Explosive; fire, blast or projection hazard.
- **Precautionary statements:**
 - P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 - P250 Do not subject to grinding/shock/friction.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P373 DO NOT fight fire when fire reaches explosives.
 - P370+P380 In case of fire: Evacuate area.
 - P372 Explosion risk in case of fire.

(Cont'd. on page 2)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/06/2017

Revision: 01/06/2017

Trade name: Fireworks, Display

(Cont'd. of page 1)

P401 Store in accordance with local/regional/national/international regulations.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Other hazards** There are no other hazards not otherwise classified that have been identified.

• **Explosive Product Notice**

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, DO NOT USE IT before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he should consult the manufacturer before use.

3 Composition/information on ingredients

• **Chemical characterization:** Mixtures

• **Components:**

Components for product possessing only physical hazards do not require reporting. These components are considered proprietary.

4 First-aid measures

• **Description of first aid measures**

• **General information:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Wash with soap and water.

In case of minor burns, flush with cool water.

If skin irritation is experienced, consult a doctor.

• **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

(Cont'd. on page 3)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/06/2017

Revision: 01/06/2017

Trade name: Fireworks, Display

(Cont'd. of page 2)

- **Most important symptoms and effects, both acute and delayed:**
Blast injury if mishandled.
Thermal burns, if mishandled.
- **Danger:** Danger of blast or crush-type injuries.
- **Indication of any immediate medical attention and special treatment needed:**
Product may produce physical injury if mishandled. Treatment of these injuries should be based on the clinical presentation.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
DO NOT fight fire when fire reaches explosives.
Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Explosive; fire, blast or projection hazard.
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:**
Eliminate all ignition sources if safe to do so.
In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Cool endangered receptacles with water spray.
Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Mass explosion of multiple devices is possible under certain conditions. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2012 Emergency response Guidebook for further information.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Remove persons from danger area.
Ensure adequate ventilation.
Isolate area and prevent access.
- **Environmental precautions**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
Pick up mechanically.

(Cont'd. on page 4)

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Send for recovery or disposal in suitable receptacles.

• **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

• **Handling**

• **Precautions for safe handling:**

Handle with care. Avoid jolting, friction and impact.

Restrict the quantity stored at the work place.

Keep out of reach of children.

• **Information about protection against explosions and fires:**

In case of fire: Evacuate area.

Explosion risk in case of fire.

Keep away from sparks and open flames. - No smoking.

Emergency cooling must be available in case of nearby fire.

• **Conditions for safe storage, including any incompatibilities**

• **Storage**

• **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

• **Information about storage in one common storage facility:**

Store in accordance with local/regional/national/international regulations.

Store away from foodstuffs.

Store away from flammable substances.

• **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store locked up.

• **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

• **Control parameters**

• **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• **Exposure controls**

• **Personal protective equipment:**

• **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

• **Engineering controls:** Provide adequate ventilation.

(Cont'd. on page 5)

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- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** When needed, wear gloves for protection against mechanical hazards.
- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** When needed, wear protective clothing for protection against mechanical hazards.
- **Limitation and supervision of exposure into the environment**
No relevant information available.

- **Risk management measures**

Organizational measures should be in place for all activities involving this product.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance:**

Form: Outer shell containing powder, granular, or solid materials.
Color: According to product specification

- **Odor:** Odorless

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Melting point/Melting range:** Not determined.

- **Boiling point/Boiling range:** Not determined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Fire or projection hazard.

- **Auto-ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Danger of explosion:** Heating may cause an explosion.

- **Explosion limits**

Lower: Not determined.

Upper: Not determined.

- **Vapor pressure:** Not applicable.

- **Density:** Not determined.

- **Relative density:** Not determined.

- **Vapor density:** Not applicable.

- **Evaporation rate:** Not applicable.

(Cont'd. on page 6)

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- | | |
|---|------------------------------------|
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Other Information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** Risk of explosion if heated under confinement.
- **Possibility of hazardous reactions**
Explosive; fire, blast or projection hazard.
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong acids and alkali.
- **Conditions to avoid**
Excessive heat.
Sources of ignition: sparks, open flame, incompatible materials
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**
Carbon monoxide and carbon dioxide
Nitrogen oxides
Sulfur oxides (SOx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**
Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.
- **On the eye:**
Not an eye irritant in unused form. Vapors/particles from used product are possibly irritating to eyes.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Carcinogenic categories**

- | |
|--|
| · IARC (International Agency for Research on Cancer): |
| None of the ingredients are listed. |

(Cont'd. on page 7)

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· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Probable route(s) of exposure:

Skin contact.
Eye contact.
Inhalation.

· Acute effects (acute toxicity, irritation and corrosivity):

Danger of blast or crush-type injuries.
Risk of thermal burns.

· Repeated dose toxicity: From product as supplied: None.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
· Germ cell mutagenicity: Based on available data, the classification criteria are not met.

· Carcinogenicity: Based on available data, the classification criteria are not met.

· Reproductive toxicity: Based on available data, the classification criteria are not met.

· STOT-single exposure: Based on available data, the classification criteria are not met.

· STOT-repeated exposure: Based on available data, the classification criteria are not met.

· Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological Information

· Toxicity
· Aquatic toxicity No relevant information available.

· Persistence and degradability No relevant information available.

· Bioaccumulative potential: May be accumulated in organism

· Mobility in soil: No relevant information available.

· Other adverse effects No relevant information available.

13 Disposal considerations

· Waste treatment methods
· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Incinerate in accordance with local, state and federal regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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- Uncleaned packagings
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

· UN-Number
· DOT, ADR, IMDG
· IATA

UN0335
FORBIDDEN

· UN proper shipping name
· DOT, ADR, IMDG
· IATA

Fireworks
FORBIDDEN

· Transport hazard class(es)

· DOT



· Class
· Label

1.3
1.3G

· ADR



· Class
· Label

1.3
1.3G

· IMDG



· Class
· Label

1.1
1.3G

· IATA
· Class

FORBIDDEN

· Packing group

· DOT

II

· Environmental hazards

· Marine pollutant:

No

· Special precautions for user

Not applicable.

(Cont'd. on page 9)

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EMS Number: F-S,B-X

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)
SARA
Section 302 (extremely hazardous substances):

None of the ingredients are listed.

Section 304 (emergency release notification):

None of the ingredients are listed.

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

Contact manufacturer.

TSCA (Toxic Substances Control Act)

All ingredients are listed.

Proposition 65 (California)
Chemicals known to cause cancer:

Contact manufacturer.

Chemicals known to cause reproductive toxicity for females:

Contact manufacturer.

Chemicals known to cause reproductive toxicity for males:

Contact manufacturer.

Chemicals known to cause developmental toxicity:

Contact manufacturer.

Carcinogenic categories
EPA (Environmental Protection Agency):

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

Contact manufacturer.

(Cont'd. on page 10)

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NIOSH-Ca (National Institute for Occupational Safety and Health):

Contact manufacturer.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Date of preparation / last revision** 01/06/2017 / -

• **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

LDLo: Lowest Lethal Dose Observed

Expl. 1.3: Explosives – Division 1.3

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

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Website: www.chemtelinc.com

- **EMERGENCY RESPONSE**
- **UN0336, FIREWORKS, 1.4G, PGII,**
- **UN0431, ARTICLES PYROTECHNICS, 1.4G, PGII,**
- **UN0432, ARTICLES PYROTECHNICS, 1.4S, PGII,**
- **UN0325 IGNITERS, 1.4G, PGII, UN0454, IGNITERS, 1.4S, PGII**
- **POTENTIAL HAZARDS**
 - **Fire or explosion**
 - May explode and throw fragments 500 meters (1/3 mile) or more if fire reaches cargo.
 - **Health**
 - Fire may produce irritating, corrosive and/or toxic gases
 -
 - **PUBLIC SAFETY**
 - Call Emergency Response Telephone Number on Shipping Paper. Chem-Tel (800) 255-3924
 - Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions.
 - Ventilate closed spaces before entering.
 - **PROTECTIVE CLOTHING**
 - Wear positive pressure self-contained breathing apparatus (SCBA)
 - Structural firefighters' protective clothing will only provide limited protection.
 - **EVACUATION**
 - **Large Spill**
 - Consider initial evacuation for 250 meters (800 feet) in all directions.
 - **Fire**
 - If rail car or trailer is involved in a fire, **ISOLATE** for 500 meters (1/3 mile) in all directions; also initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions.
 - **EMERGENCY RESPONSE**
 - **Fire**
 - **Cargo Fires**
 - **Do not fight fire when fire reaches cargo! Cargo may explode**
 - Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn.
 - Do not move cargo or vehicle if cargo has been exposed to heat.
 - **TIRE or VEHICLE Fires**
 - Use plenty of water-**FLOOD it!** If water is not available, use CO₂, dry chemical or dirt.
 - If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
 - Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.
 - **Spill or Leak**
 - Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
 - All equipment used when handling the product must be grounded.
 - **DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS (330 FEET) OF ELECTRIC DOTONATORS.**
 - **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**
 - **First Aid**
 - Move victim to fresh air. Call 911 or emergency medical service.
 - Apply artificial respiration if victim is not breathing.
 - Administer oxygen if breathing is difficult.
 - Remove and isolate contaminated clothing and shoes.
 - In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
 - Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Product J-Tek
 Revision Date 02/11/2016
 Revision 1



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name	J-Tek
Identifier Uses	No specific uses identified.
Supplier	M/JG Technologies Inc PyroSmart Mexico, S.A. de C.V. Parcela 34 Z 1 1/2, Nuevo Mundo Ejido de Ojocaliente, Zacatecas, Mexico 98705, Mexico Tel: 856-228-6118
Contact Person	info@electrictomatch.com
Emergency Telephone	1-352-323-3500 Contract # 100588

SECTION 2: HAZARDS IDENTIFICATION

Appearance	Solid. Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.
Color	Medium brown colored.
Odor	No odour information available.

Pictogram(s)



Signal Word	Danger
Hazard Statements	H204 Fire or projection hazard. H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed.

Precautionary Statements	P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. P221 Take any precaution to avoid mixing with combustibles/[*] P280 Wear protective gloves/ protective clothing/eye protection/face protection. P374 Fight fire with normal precautions from a reasonable distance. P370 + P380 In case of fire: Evacuate area.
---------------------------------	--

Contains	potassium perchlorate
-----------------	-----------------------

GHS Classification	
Physical and Chemical Hazards	Ox Sol 1 - H271, Expl. 1.4 - H204
Human Health	Acute Tox 4 - H302,
Environment	Not classified

OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
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Inhalation	Inhalation of large amounts of igniter heads may cause respiratory discomfort.
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Ingestion	Harmful if swallowed.
Skin contact	Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.
Eye contact	Thermal burns to the eyes caused by accidental ignition of igniters.
Routes of Exposure	No Information available.
Other Hazards	Not applicable.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	GHS Classification	%
potassium perchlorate	CAS-No.: 7778-74-7 EC No.: 231-912-9	Ox Sol 1 - H271, Acute Tox 4 - H302	30-60%
Composition Comments		This product contains proprietary information.	

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Information	CAUTION! First aid personnel must be aware of own risk during rescue! Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Burns must be treated by doctors. Place unconscious person on the side in the recovery position and ensure breathing can take place. If heart stops, heart-compression must be carried out. In case of accidents: Call an ambulance immediately! Show the MSDS.
Inhalation	If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.
Ingestion	Get medical attention immediately. Do NOT induce vomiting. If victim is conscious and alert, wash out mouth with water then give water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning. Consult a doctor.
Eye contact	Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Continue to rinse for at least 15 minutes.

Most important symptoms and effects, both acute and delayed

General Information	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
Inhalation	Inhalation of large amounts of igniter heads may cause respiratory discomfort.
Ingestion	Harmful if swallowed.
Skin contact	Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.
Eye contact	Thermal burns to the eyes caused by accidental ignition of igniters.
Routes of Exposure	No Information available.

Most important symptoms and effects, both acute and delayed

Notes To The Physician	Treat Symptomatically.
------------------------	------------------------

SECTION 5: Firefighting Measures

Auto Ignition Temperature (°C)	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Flash point	No Information available.
Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Hazardous combustion products	Smoke contains Boron and Titanium.
Unusual Fire & Explosion Hazards	Burning igniters will project sparks several feet and can cause secondary fires. Igniters may rupture a container if ignited under confinement. Igniters may be ignited by extreme impact, friction or electrostatic discharge.
Special Fire Fighting Procedures	If possible, fight fire from protected position. Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water. Use water spray to cool container and prevent

Protective equipment for fire-fighters

rupture.
Fire fighters should wear full protective equipment, including a self-contained breathing apparatus. Water should be used to cool surrounding containers.

SECTION 6: Accidental Release Measures**Personal Precautions**

Use proper personal protection (refer to Section 8).

Environmental Precautions

Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.

Spill Clean Up Methods

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage**Handling**

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges when there is a risk of dust explosion.

Usage Description

Use only according to directions.

Storage Precautions

Store igniters in accordance with local, state and federal regulations. Keep dry and avoid temperatures above 120 degree F. Store in closed container away from incompatible materials, sunlight and heat to prolong shelf life. Minimize exposure in accordance with good hygiene practices. Keep out of reach of children. Keep away from food and drink. Containers opened must be resealed and kept upright. Do not store in unlabelled containers.

Specific End Use(s)

Igniter.

SECTION 8: Exposure Controls/Personal Protection**Protective Equipment****Ingredient Comments**

No occupational exposure limits noted for the ingredients(s).

Process Conditions

Ensure that eye flushing systems and safety showers are located close to the working place. Provide adequate ventilation.

Engineering Measures

If ventilation is inadequate use a suitable respirator.

Respiratory Equipment**Hand Protection**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Due to risk of fire, leather footwear and cotton clothing should never be used. Long sleeved shirt, trousers, rubber boots, rubber gloves, and rubber apron.

Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene Measures

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and Chemical Properties**Information on Basic Physical and Chemical Properties****Appearance**

Solid. Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.

Color

Medium brown colored.

Odor	No odour information available.
Odor Threshold - Lower	No Information available.
Odor Threshold - Upper	
pH-Value, Conc. Solution	No Information available.
pH-Value, Diluted Solution	No Information available.
Melting point	No Information available.
Initial boiling point and boiling range	No Information available.
Flash point	No Information available.
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Vapor pressure	No Information available.
Vapor Density (air=1)	No Information available.
Relative density	No Information available.
Bulk Density	No Information available.
Solubility	No information available.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information available.
Explosive Properties	Bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths.
Oxidizing Properties	No Information available.
Molecular Weight	No Information available.
Volatile Organic Compound	No Information available.

SECTION 10: Stability and Reactivity

Reactivity	Reaction with heat, acids and reducing agents.
Stability	Stable under normal temperature conditions and recommended use.
Hazardous Polymerisation	Will not polymerise.
Hazardous Decomposition Products	Smoke contains oxides of Boron and Titanium.
Conditions to Avoid	Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
Materials to Avoid	Keep away from strong acids. Keep away from strong reducing agents and strong oxidising agents.

SECTION 11: Toxicological Information

Toxicological Information	No toxicological information for the overall finished product.
Acute Toxicity (Oral LD50)	No Information available.
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitisation	No Information available.
Skin Sensitisation	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	The product and its components are not listed.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

SECTION 12: Ecological Information

Ecotoxicity	The product does pose an environmental hazard.
Acute Toxicity - Fish	No Information available.
Acute Toxicity - Aquatic Invertebrates	No Information available.
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	There are no data on the degradability of this product.
Bioaccumulative Potential	No data available on bioaccumulation.
Mobility	No information available.
Results of PBT and vPvB Assessment	No information available.
Other Adverse Effects	No information available.

SECTION 13: Disposal Considerations

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Waste disposal must be in accordance with appropriate federal, state, and local regulations.

SECTION 14: Transport Information**UN Number**

UN No. (DOT/TDG)	UN454
UN No. (IMDG)	UN454
UN No. (IATA)	UN0454

Proper Shipping Name

DOT/TDG Proper Shipping Name	IGNITERS
IMDG Proper Shipping Name	IGNITERS

IATA Proper Shipping Name	Igniters
----------------------------------	-----------------

Transport Hazard Class(es)

DOT/TDG Class	1.4
IMDG Class	1.4 S
IATA Class	1.4S

Transport Labels**Packing Group(s)**

DOT Packing Group	<none>
IMDG Packing Group	-
IATA Packing Group	<none>

Special Precautions for User

EMS	F-B, S-X
------------	-----------------

Environmentally Hazardous Substance/Marine Pollutant

ADR	No
IMDG	No
IATA	No

SECTION 15: Regulatory Information**US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed None Listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed None Listed.

SARA 313 Emission Reporting

The Following ingredients are listed None Listed.

CAA Accidental Release Prevention

The Following ingredients are listed None Listed.

OSHA Highly Hazardous Chemicals

The Following ingredients are listed None Listed.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-Ii)

The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List

The Following ingredients are listed potassium perchlorate

Rhode Island "Right To Know" List

The Following ingredients are listed None Listed.

Minnesota "Right To Know" List

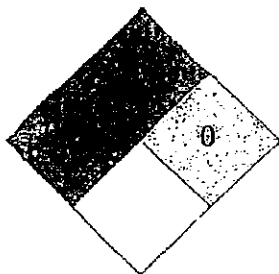
The Following ingredients are listed None Listed.

New Jersey "Right To Know" List

The Following ingredients are listed boron
potassium perchlorate
titanium

Pennsylvania "Right To Know" List

The Following ingredients are listed potassium perchlorate

SECTION 16: Other Information**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)****HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Revision Comments

This is first issue

Revision Date

02/11/2016

Revision

1

Disclaimer

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SAFETY REGULATIONS PART 397

General

§397.2 Compliance with Federal motor carrier safety regulations.

A motor carrier or other person to whom this part is applicable must comply with the rules in Part 390 through 397, inclusive, of this subchapter when he/she is transporting hazardous materials by a motor vehicle which must be marked or placarded in accordance with §177.823 of this title.

[37 FR 18080, Sept. 7, 1972]

§397.3 State and local laws, ordinances and regulations.

Every motor vehicle containing hazardous materials must be driven and parked in compliance with the laws, ordinances, and regulations of the jurisdiction in which it is being operated, unless they are at variance with specific regulations of the Department of Transportation which are applicable to the operation of that vehicle and which impose a more stringent obligation or restraint.

§397.5 Attendance and surveillance of motor vehicles.

(a) Except as provided in paragraph (b) of this section, a motor vehicle which contains a Division 1.1, 1.2, or 1.3 (explosive) material must be attended at all times by its driver or a qualified representative of the motor carrier that operates it.

(b) The rules in paragraph (a) of this section do not apply to a motor vehicle which contains Division 1.1, 1.2, or 1.3 material if all the following conditions exist—

(b)(1) The vehicle is located on the property of a motor carrier, on the property of a shipper or consignee of the explosives, in a safe haven, or, in the case of a vehicle containing 50 pounds or less of a Division 1.1, 1.2, or 1.3 material, on a construction or survey site; and

(b)(2) The lawful bailee of the explosives is aware of the nature of the explosives the vehicle contains and has been instructed in the procedures which must be followed in emergencies; and

(b)(3) The vehicle is within the bailee's unobstructed field of view or is located in a safe haven.

(c) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3, materials, and which is located on a public street or highway, or the shoulder of a public highway, must be attended by its driver. However, the vehicle need not be attended while its driver is performing duties which are incident and necessary to the driver's duties as the operator of the vehicle.

(d) For purposes of this section—

(d)(1) A motor vehicle is attended when the person in charge of the vehicle is on the vehicle, awake, and not in a sleeper berth, or is within 100 feet of the vehicle and has it within his/her unobstructed field of view.

(d)(2) A qualified representative of a motor carrier is a person who—

(d)(2)(i) Has been designated by the carrier to attend the vehicle;

(d)(2)(ii) Is aware of the nature of the hazardous materials contained in the vehicle he/she attends;

(d)(2)(iii) Has been instructed in the procedures he/she must follow in emergencies; and

(d)(2)(iv) Is authorized to move the vehicle and has the means and ability to do so.

(d)(3) A safe haven in an area specifically approved in writing by local, State, or Federal governmental authorities for the parking of unattended vehicles containing Division 1.1, 1.2, or 1.3 materials.

(e) The rules in this section do not relieve the driver from any obligation imposed by law relating to the placing of warning devices when a motor vehicle is stopped on a public street or highway.

[59 FR 63925, Dec. 12, 1994]

§397.7 Parking.

(a) A motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must not be parked under any of the following circumstances—

(a)(1) On or within 5 feet of the traveled portion of a public street or highway;

(a)(2) On private property (including premises of a fueling or eating facility) without the knowledge and consent of the person who is in charge of the property and who is aware of the nature of the hazardous materials the vehicle contains; or

(a)(3) Within 300 feet of a bridge, tunnel, dwelling, or place where people work, congregate, or assemble, except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

(b) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3 materials must not be parked on or within five feet of the traveled portion of public street or highway except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

397.11 Fires.

- (a) A motor vehicle containing hazardous materials must not be operated near an open fire unless its driver has first taken precautions to ascertain that the vehicle can safely pass the fire without stopping.
- (b) A motor vehicle containing hazardous materials must not be parked within 300 feet of an open fire.

§397.13 Smoking.

No person may smoke or carry a lighted cigarette, cigar, or pipe on or within 25 feet of—

- (a) A motor vehicle which contains Class 1 materials, Class 5 materials, or flammable materials classified as Division 2.1, Class 3, Divisions 4.1 and 4.2; or
- (b) An empty tank motor vehicle which has been used to transport Class 3, flammable materials or Division 2.1 flammable gases, which, when so used, was required to be marked or placarded in accordance with the rules in §177.823 of this title.

[59 FR 63925, Dec. 12, 1994]

§397.15 Fueling.

When a motor vehicle which contains hazardous materials is being fueled—

- (a) Its engine must not be operating; and
- (b) A person must be in control of the fueling process at the point where the fuel tank is filled.

§397.17 Tires.

- (a) A driver must examine each tire on a motor vehicle at the beginning of each trip and each time the vehicle is parked.
- (b) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be flat, leaking, or improperly inflated, the driver must cause the tire to be repaired, replaced, or properly inflated before the vehicle is driven. However, the vehicle may be driven to the nearest safe place to perform the required repair, replacement, or inflation.
- (c) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be overheated, the driver shall immediately cause the overheated tire to be removed and placed at a safe distance from the vehicle. The driver shall not operate the vehicle until the cause of the overheating is corrected.
- (d) Compliance with the rules in this section does not relieve a driver from the duty to comply with the rules in §§397.5 and 397.7.

[67 FR 62192, Oct. 4, 2002]

§397.19 Instructions and documents.

- (a) A motor carrier that transports Division 1.1, 1.2, or 1.3 (explosive) materials must furnish the driver of each motor vehicle in which the explosives are transported with the following documents:
 - (a)(1) A copy of the rules in this part;
 - (a)(2) [Reserved]
 - (a)(3) A document containing instructions on procedures to be followed in the event of accident or delay. The documents must include the names and telephone numbers of persons (including representatives of carriers or shippers) to be contracted, the nature of the explosives being transported, and the precautions to be taken in emergencies such as fires, accidents, or leakages.
- (b) A driver who receives documents in accordance with paragraph (a) of this section must sign a receipt for them. The motor carrier shall maintain the receipt for a period of one year from the date of signature.
- (c) A driver of a motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must be in possession of, be familiar with, and be in compliance with
 - (c)(1) The documents specified in paragraph (a) of this section;
 - (c)(2) The documents specified in §177.817 of this title; and
 - (c)(3) The written route plan specified in §397.67.

[59 FR 63925, Dec. 12, 1994; 63 FR 33280, June 18, 1998]

Emergency Response
Explosives- Division 1.1, 1.2, 1.3, 1.5, or: Class A & B
UN0335, Fireworks, 1.3G, PG II
UN0333, Fireworks, 1.1G, PGII

CARGO Fires

- DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!
- Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn
- Do not move cargo or vehicle if cargo has been exposed to heat.

Tire or Vehicle Fires

- Use plenty of water -FLOOD it! If water is not available, use CO2, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready

SPILL or LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded
- Do not touch or walk through spilled material.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet OF ELECTRIC DETONATORS.
- DO NOT CLEAN UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

FIRST AID

- Move victim to fresh air, Call emergency medical care.
- Apply artificial respiration if victim is not breathing
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least for 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

FIRE OR EXPLOSION

- MAY EXPLODE AND THROW FRAGMENTS 1600 meters (1 MILE) OR MORE IF FIRE REACHES CARGO.
- For information on "Compatibility Group" letters, refer to Glossary section in Emergency Response Guidebook.

HEALTH

- Fire may produce irritating, corrosive and / or toxic gases.

PUBLIC SAFETY

- CALL Emergency Response Telephone Number on Shipping Paper first.
- CALL CHEM-TEL'S 24- HOUR NUMBER (800) 255-3924
- Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away.
- Stay upwind.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters protective clothing will only provide limited protection.

EVACUATION

LARGE SPILL

- Consider initial evacuation for 800 meters (1/2 mile) in all directions.

Fire

- If rail car or trailer is involved in a fire and heavily encased explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600M (1 mile in all directions; also initiate evacuation including emergency responders for 1600M (1 mile) in all directions.
- When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/06/2017

Revision: 01/06/2017

1 Identification**Product identifier**

Fireworks, Division 1.3 Explosive

Trade name:

Fireworks, Display

Product code:

Fireworks, 1.3G UN0335

Recommended use and restriction on use**Recommended use:** Explosive product for professional use for entertainment and technical purposes**Restrictions on use:** Contact manufacturer/supplier**Details of the supplier of the Safety Data Sheet****Manufacturer/Supplier:**East Coast Pyrotechnics
4652 Catawba River Road
Catawba, SC 29704
803-789-5733**Emergency telephone number:**ChemTel Inc.
(800)255-3924, +1 (813)248-0585**2 Hazard(s) Identification****Classification of the substance or mixture**

Expl. 1.3 H203 Explosive; fire, blast or projection hazard.

Label elements**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

GHS01

Signal word: Danger**Hazard statements:**

H203 Explosive; fire, blast or projection hazard.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P250 Do not subject to grinding/shock/friction.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P373 DO NOT fight fire when fire reaches explosives.

P370+P380 In case of fire: Evacuate area.

P372 Explosion risk in case of fire.

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- P401 Store in accordance with local/regional/national/international regulations.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

· **Explosive Product Notice**

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, **DO NOT USE IT** before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he should consult the manufacturer before use.

3 Composition/information on ingredients

· **Chemical characterization:** Mixtures

· **Components:**

Components for product possessing only physical hazards do not require reporting. These components are considered proprietary.

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with soap and water.

In case of minor burns, flush with cool water.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

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- **Most important symptoms and effects, both acute and delayed:**
Blast injury if mishandled.
Thermal burns, if mishandled.
- **Danger:** Danger of blast or crush-type injuries.
- **Indication of any immediate medical attention and special treatment needed:**
Product may produce physical injury if mishandled. Treatment of these injuries should be based on the clinical presentation.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
DO NOT fight fire when fire reaches explosives.
Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Explosive; fire, blast or projection hazard.
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:**
Eliminate all ignition sources if safe to do so.
In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Cool endangered receptacles with water spray.
Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Mass explosion of multiple devices is possible under certain conditions. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2012 Emergency response Guidebook for further information.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Remove persons from danger area.
Ensure adequate ventilation.
Isolate area and prevent access.
- **Environmental precautions**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
Pick up mechanically.

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Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling:

Handle with care. Avoid jolting, friction and impact.

Restrict the quantity stored at the work place.

Keep out of reach of children.

Information about protection against explosions and fires:

In case of fire: Evacuate area.

Explosion risk in case of fire.

Keep away from sparks and open flames. - No smoking.

Emergency cooling must be available in case of nearby fire.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store in accordance with local/regional/national/international regulations.

Store away from foodstuffs.

Store away from flammable substances.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store locked up.

Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Engineering controls: Provide adequate ventilation.

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- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** When needed, wear gloves for protection against mechanical hazards.
- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** When needed, wear protective clothing for protection against mechanical hazards.
- **Limitation and supervision of exposure into the environment**
No relevant information available.
- **Risk management measures**
Organizational measures should be in place for all activities involving this product.

9 Physical and chemical properties

Information on basic physical and chemical properties

- | | |
|---|--|
| · Appearance: | |
| Form: | Outer shell containing powder, granular, or solid materials. |
| Color: | According to product specification |
| · Odor: | Odorless |
| · Odor threshold: | Not determined. |
| · pH-value: | Not applicable. |
| · Melting point/Melting range: | Not determined. |
| · Boiling point/Boiling range: | Not determined. |
| · Flash point: | Not applicable. |
| · Flammability (solid, gaseous): | Fire or projection hazard. |
| · Auto-ignition temperature: | Not determined. |
| · Decomposition temperature: | Not determined. |
| · Danger of explosion: | Heating may cause an explosion. |
| · Explosion limits | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · Vapor pressure: | Not applicable. |
| · Density: | Not determined. |
| · Relative density: | Not determined. |
| · Vapor density: | Not applicable. |
| · Evaporation rate: | Not applicable. |

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- | | |
|---|------------------------------------|
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** Risk of explosion if heated under confinement.
- **Possibility of hazardous reactions**
 - Explosive; fire, blast or projection hazard.
 - Toxic fumes may be released if heated above the decomposition point.
 - Reacts with strong acids and alkali.
- **Conditions to avoid**
 - Excessive heat.
 - Sources of ignition: sparks, open flame, incompatible materials
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides
 - Sulfur oxides (SOx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**
 - Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.
- **On the eye:**
 - Not an eye irritant in unused form. Vapors/particles from used product are possibly irritating to eyes.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer):
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None of the ingredients are listed.

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· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Probable route(s) of exposure:

Skin contact.

Eye contact.

Inhalation.

· Acute effects (acute toxicity, irritation and corrosivity):

Danger of blast or crush-type injuries.

Risk of thermal burns.

· Repeated dose toxicity: From product as supplied: None.

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
· Germ cell mutagenicity: Based on available data, the classification criteria are not met.

· Carcinogenicity: Based on available data, the classification criteria are not met.

· Reproductive toxicity: Based on available data, the classification criteria are not met.

· STOT-single exposure: Based on available data, the classification criteria are not met.

· STOT-repeated exposure: Based on available data, the classification criteria are not met.

· Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological Information

· Toxicity
· Aquatic toxicity No relevant information available.

· Persistence and degradability No relevant information available.

· Bioaccumulative potential: May be accumulated in organism

· Mobility in soil: No relevant information available.

· Other adverse effects No relevant information available.

13 Disposal considerations

· Waste treatment methods
· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Incinerate in accordance with local, state and federal regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	UN0335
· DOT, ADR, IMDG	
· IATA	FORBIDDEN

· UN proper shipping name	Fireworks
· DOT, ADR, IMDG	
· IATA	FORBIDDEN

· Transport hazard class(es)

· DOT



· Class	1.3
· Label	1.3G

· ADR



· Class	1.3
· Label	1.3G

· IMDG



· Class	1.1
· Label	1.3G

· IATA

· Class	FORBIDDEN
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· Packing group

· DOT	II
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· Environmental hazards

· Marine pollutant:	No
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· Special precautions for user

Not applicable.

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· EMS Number: F-S,B-X

· Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 304 (emergency release notification):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

Contact manufacturer.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Contact manufacturer.

· **Chemicals known to cause reproductive toxicity for females:**

Contact manufacturer.

· **Chemicals known to cause reproductive toxicity for males:**

Contact manufacturer.

· **Chemicals known to cause developmental toxicity:**

Contact manufacturer.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

Contact manufacturer.

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NIOSH-Ca (National Institute for Occupational Safety and Health):

Contact manufacturer.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Date of preparation / last revision** 01/06/2017 / -

• **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

LDLo: Lowest Lethal Dose Observed

Expl. 1.3: Explosives – Division 1.3

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com

- EMERGENCY RESPONSE
- UN0336, FIREWORKS, 1.4G, PGII,
- UN0431, ARTICLES PYROTECHNICS, 1.4G, PGII,
- UN0432, ARTICLES PYROTECHNICS, 1.4S, PGII,
- UN0325 IGNITERS, 1.4G, PGII, UN0454, IGNITERS, 1.4S, PGII

- POTENTIAL HAZARDS

- Fire or explosion
- May explode and throw fragments 500 meters (1/3 mile) or more if fire reaches cargo.

- Health
- Fire may produce irritating, corrosive and/or toxic gases

- PUBLIC SAFETY

- Call Emergency Response Telephone Number on Shipping Paper. Chem-Tel (800) 255-3924
- Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions.
- Ventilate closed spaces before entering.

- PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA)
- Structural firefighters' protective clothing will only provide limited protection.

- EVACUATION

- Large Spill
- Consider initial evacuation for 250 meters (800 feet) in all directions.
- Fire
- If rail car or trailer is involved in a fire, ISOLATE for 500 meters (1/3 mile) in all directions; also initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions.

- EMERGENCY RESPONSE

- Fire
- Cargo Fires
- Do not fight fire when fire reaches cargo! Cargo may explode
- Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn.
- Do not move cargo or vehicle if cargo has been exposed to heat.
- TIRE or VEHICLE Fires
- Use plenty of water-FLOOD it! If water is not available, use CO₂, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.
- Spill or Leak
- Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS (330 FEET) OF ELECTRIC DOTONATORS.
- DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.
- First Aid
- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Product J-Tek
 Revision Date 02/11/2016
 Revision 1



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name	J-Tek
Identifier Uses	No specific uses identified.
Supplier	MJG Technologies Inc PyroSmart Mexico, S.A. de C.V. Parcela 34 Z 1 1/2, Nuevo Mundo Ejido de Ojacaliente, Zacatecas, Mexico 98705, Mexico Tel: 856-228-6118
Contact Person	info@electrictmatch.com
Emergency Telephone	1-352-323-3500 Contract # 100588

SECTION 2: HAZARDS IDENTIFICATION

Appearance	Solid. Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.
Color	Medium brown colored.
Odor	No odour information available.

Pictogram(s)



Signal Word	Danger
Hazard Statements	H204 Fire or projection hazard. H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed.

Precautionary Statements	P210 Keep away from heat/ sparks/open flames/hot surfaces. -- No smoking. P221 Take any precaution to avoid mixing with combustibles/[*] P280 Wear protective gloves/ protective clothing/eye protection/face protection. P374 Fight fire with normal precautions from a reasonable distance. P370 + P380 In case of fire: Evacuate area.
---------------------------------	---

Contains	potassium perchlorate
-----------------	-----------------------

GHS Classification	
Physical and Chemical Hazards	Ox Sol 1 - H271, Expl. 1.4 - H204
Human Health	Acute Tox 4 - H302,
Environment	Not classified

OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
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Inhalation	Inhalation of large amounts of igniter heads may cause respiratory discomfort.
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Ingestion	Harmful if swallowed.
Skin contact	Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.
Eye contact	Thermal burns to the eyes caused by accidental ignition of igniters .
Routes of Exposure	No Information available.
Other Hazards	Not applicable.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	GHS Classification	%
potassium perchlorate	CAS No.: 7778-74-7 EC No.: 231-912-9	Ox Sol 1 - H271, Acute Tox 4 - H302	30-60%
Composition Comments		This product contains proprietary information.	

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Information

CAUTION! First aid personnel must be aware of own risk during rescue! Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Burns must be treated by doctors. Place unconscious person on the side in the recovery position and ensure breathing can take place. If heart stops, heart-compression must be carried out. In case of accidents: Call an ambulance immediately! Show the MSDS.

Inhalation

If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

Ingestion

Get medical attention immediately. Do NOT induce vomiting. If victim is conscious and alert, wash out mouth with water then give water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear.

Skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact

Transfer to hospital if there are burns or symptoms of poisoning. Consult a doctor. Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Continue to rinse for at least 15 minutes.

Most important symptoms and effects, both acute and delayed

General Information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation

Inhalation of large amounts of igniter heads may cause respiratory discomfort.

Ingestion

Harmful if swallowed.

Skin contact

Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.

Eye contact

Thermal burns to the eyes caused by accidental ignition of igniters .

Routes of Exposure

No Information available.

Most important symptoms and effects, both acute and delayed

Notes To The Physician

Treat Symptomatically.

SECTION 5: Firefighting Measures

Auto Ignition Temperature (°C)	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Flash point	No Information available.
Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Hazardous combustion products	Smoke contains Boron and Titanium.
Unusual Fire & Explosion Hazards	Burning igniters will project sparks several feet and can cause secondary fires. Igniters may rupture a container if ignited under confinement. Igniters may be ignited by extreme impact, friction or electrostatic discharge.
Special Fire Fighting Procedures	If possible, fight fire from protected position. Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water. Use water spray to cool container and prevent

Protective equipment for fire-fighters	rupture. Fire fighters should wear full protective equipment, including a self-contained breathing apparatus. Water should be used to cool surrounding containers.
--	---

SECTION 6: Accidental Release Measures

Personal Precautions	Use proper personal protection (refer to Section 8).
Environmental Precautions	Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.
Spill Clean Up Methods	Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage

Handling	Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges when there is a risk of dust explosion.
Usage Description	Use only according to directions.
Storage Precautions	Store igniters in accordance with local, state and federal regulations. Keep dry and avoid temperatures above 120 degree F. Store in closed container away from incompatible materials, sunlight and heat to prolong shelf life. Minimize exposure in accordance with good hygiene practices. Keep out of reach of children. Keep away from food and drink. Containers opened must be resealed and kept upright. Do not store in unlabelled containers.
Specific End Use(s)	Igniter.

SECTION 8: Exposure Controls/Personal Protection

Protective Equipment



Ingredient Comments	No occupational exposure limits noted for the ingredients(s).
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Process Conditions Engineering Measures Respiratory Equipment Hand Protection

Ensure that eye flushing systems and safety showers are located close to the working place. Provide adequate ventilation.
If ventilation is inadequate use a suitable respirator.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Due to risk of fire, leather footwear and cotton clothing should never be used. Long sleeved shirt, trousers, rubber boots, rubber gloves, and rubber apron.

Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene Measures

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Solid. Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.
Color	Medium brown colored.

Odor	No odour information available.
Odor Threshold - Lower	No Information available.
Odor Threshold - Upper	
pH-Value, Conc. Solution	No Information available.
pH-Value, Diluted Solution	No Information available.
Melting point	No Information available.
Initial boiling point and boiling range	No Information available.
Flash point	No Information available.
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Vapor pressure	No Information available.
Vapor Density (air=1)	No Information available.
Relative density	No Information available.
Bulk Density	No Information available.
Solubility	No information available.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information available.
Explosive Properties	Bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths.
Oxidizing Properties	No Information available.
Molecular Weight	No Information available.
Volatile Organic Compound	No Information available.

SECTION 10: Stability and Reactivity

Reactivity	Reaction with heat, acids and reducing agents.
Stability	Stable under normal temperature conditions and recommended use.
Hazardous Polymerisation	Will not polymerise.
Hazardous Decomposition Products	Smoke contains oxides of Boron and Titanium.
Conditions to Avoid	Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
Materials to Avoid	Keep away from strong acids. Keep away from strong reducing agents and strong oxidising agents.

SECTION 11: Toxicological Information

Toxicological Information	No toxicological information for the overall finished product.
Acute Toxicity (Oral LD50)	No Information available.
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitisation	No Information available.
Skin Sensitisation	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	The product and its components are not listed.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

SECTION 12: Ecological Information

Ecotoxicity	The product does pose an environmental hazard.
Acute Toxicity - Fish	No Information available.
Acute Toxicity - Aquatic Invertebrates	No Information available.
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	There are no data on the degradability of this product.
Bioaccumulative Potential	No data available on bioaccumulation.
Mobility	No information available.
Results of PBT and vPvB Assessment	No information available.
Other Adverse Effects	No information available.

SECTION 13: Disposal Considerations

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Waste disposal must be in accordance with appropriate federal, state, and local regulations.

SECTION 14: Transport Information**UN Number**

UN No. (DOT/TDG)	UN454
UN No. (IMDG)	UN454
UN No. (IATA)	UN0454

Proper Shipping Name

DOT/TDG Proper Shipping Name	IGNITERS
IMDG Proper Shipping Name	IGNITERS

IATA Proper Shipping Name	Igniters
Transport Hazard Class(es)	
DOT/TDG Class	1.4
IMDG Class	1.4 S
IATA Class	1.4S

Transport Labels



Packing Group(s)

DOT Packing Group	<none>
IMDG Packing Group	-
IATA Packing Group	<none>

Special Precautions for User

EMS	F-B, S-X
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Environmentally Hazardous Substance/Marine Pollutant

ADR	No
IMDG	No
IATA	No

SECTION 15: Regulatory Information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The Following ingredients are listed None Listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
The Following ingredients are listed None Listed.

SARA 313 Emission Reporting
The Following ingredients are listed None Listed.

CAA Accidental Release Prevention
The Following ingredients are listed None Listed.

OSHA Highly Hazardous Chemicals
The Following ingredients are listed None Listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-I)
The Following ingredients are listed None Listed.

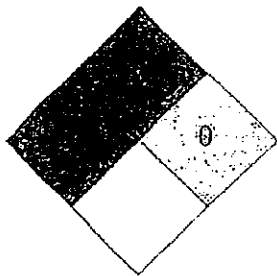
California Air Toxics "Hot Spots" (A-II)
The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List
The Following ingredients are listed potassium perchlorate

Rhode Island "Right To Know" List

The Following ingredients are listed	None Listed.
Minnesota "Right To Know" List	
The Following ingredients are listed	None Listed.
New Jersey "Right To Know" List	
The Following ingredients are listed	boron potassium perchlorate titanium
Pennsylvania "Right To Know" List	
The Following ingredients are listed	potassium perchlorate

SECTION 16: Other Information

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Revision Comments

This is first issue

Revision Date

02/11/2016

Revision

1

Disclaimer

ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. THIS INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MJG TECHNOLOGIES INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS AND/OR COMPLIANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

COUNTY OF WAYNE

APPLICATION FOR OPERATIONAL FIRE PERMIT

DATE: 5-17-25

NAME OF OWNER(S)/CONTRACTOR:

PERMANENT 911 ADDRESS:

TYPE OF OCCUPANCY/USE:

Dennis Lewis / Pyro Shows
301 W. Spring St. Seven Springs, NC

AMUSEMENT BUILDINGS: _____

CARNIVALS & FAIRS: _____

COVERED MALL BUILDINGS: _____

EQUIPMENT IN ASSEMBLY BUILDINGS: _____

EXHIBITS & TRADE SHOWS: _____

EXPLOSIVES: _____

FLAMMABLE & COMBUSTIBLE LIQUIDS: _____

FUMMIGATION & THERMAL INSECTICIDAL FOGGING: _____

LIQUID OR GAS FUELED VEHICLES: _____

PRIVATE FIRE HYDRANTS: _____

PYROTECHNIC SPECIAL EFFECTS MATERIALS: ☒

SALE OF FIRE WORKS: _____

SPRAYING OR DIPPING: _____

TEMPORARY MEMBRANCE STRUCTURES, TENTS & CANOPIES: _____

Seven Springs 4th of
July celebration
7-5-25TOTAL OPERATIONAL FIRE PERMIT FEE: \$ 85⁰⁰* Will Pay when
approved by County
CommissionersDennis Lewis / Pyro Shows
CONTRACTOR/OWNER/BUSINESS LISTING WITH THE STATE
786 Perkins Rd. Pikeville NC 27863
MAILING ADDRESS
045357 NC DL
NC LICENSE NO.
919-580-7417
MOBILE NO. _____ WORK NO. _____

1.) CASH PAYMENT:

YES, HOW MUCH? _____

NO CASH PAYMENT WILL BE USED: _____

2.) CHECK PAYMENT:

YES, HOW MUCH? _____

CHECK NO. _____ NO CHECK PAYMENT WILL BE USED: _____

I, _____, HEREBY AUTHORIZE THE WAYNE COUNTY INSPECTIONS DEPARTMENT
TO CHARGE THE PERMIT FEE TO MY CREDIT CARD.

3.) CREDIT CARD PAYMENT (VISA OR MASTERCARD ONLY)

CREDIT CARD NO.: _____

EXPIRATION DATE (MM/YY): _____ 3 DIGIT CVV/CCID/V-CODE ON THE BACK OF CREDIT CARD: _____

BILLING ADDRESS OF CREDIT CARD: _____

FEE SCHEDULE - UPDATED JULY 1, 2020 A RE-INSPECTION FEE OF \$60.00 WILL BE CHARGED PER RE-INSPECTION
1.5 TIMES TOTAL PERMIT FEE - ONLY IF WORK IS STARTED BEFORE THE PERMIT IS ISSUED

WAYNE COUNTY INSPECTIONS DEPARTMENT CONTACT INFORMATION:

MAILING ADDRESS: P.O. BOX 227, GOLDSBORO, NC 27533

PHYSICAL ADDRESS: 134 N. JOHN STREET, GOLDSBORO, NC 27533 (3RD FLOOR OF THE JEFFREY'S BLDG IN RM 305)

PHONE NO.: (919) 731-1169 FAX NO.: (919) 705-1815 WEBSITE: WWW.WAYNEGOV.COM

Seven Springs, Town of
Seven Springs IDC 2025
Saturday, July 5, 2025

Show Time: 9:00 PM | Show Length: 8 Minutes

MAIN BODY

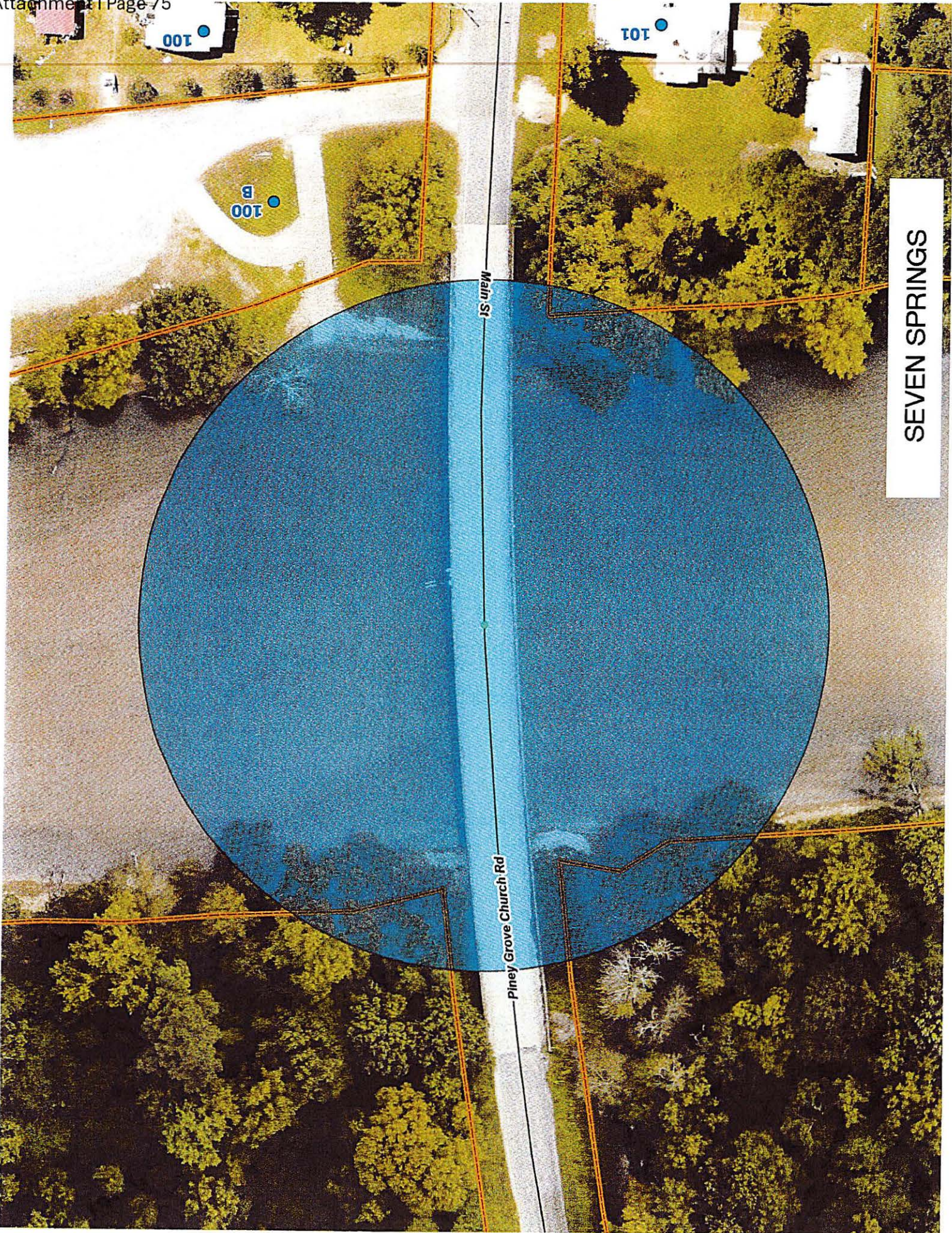
SHELL SIZE	DEVICE		QUANTITY		TOTAL
36 x 1.0"	Cakes		6		216
19 x 1.25"	Cakes		6		114
72 x 1.25"	Cakes		2		144
100 x 1.25"	Cakes		6		600
MAIN BODY DEVICE TOTAL					1,074

FINALE

SHELL SIZE	DEVICE		QUANTITY		TOTAL
100 x 1.25"	Cakes		3		300
TOTAL FINALE DEVICES					300

TOTAL DEVICE COUNT - MAIN BODY AND FINALE					1,374
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Fireworks 1.3 G Display
Largest Shell: 1.25
Safety Radius: 90'
Show Time: 9:00 PM
Show Length: 8 Minutes



SEVEN SPRINGS

NORTH CAROLINA

WAYNE COUNTY

**RESOLUTION #2025-16: A RESOLUTION ALLOWING THE USE OF
PYROTECHNICS**

WHEREAS, Pyro Shows East Coast, Inc., has requested the Board of Commissioners of Wayne County for permission for pyrotechnics to be exhibited, used, and discharged in a safe and proper manner under the supervision of experts for a fireworks celebration which will be held on June 28, 2025, at 105 School Street, Pikeville, North Carolina, as provided by North Carolina General Statute 14-410; and

WHEREAS, it is the intention of Pyro Shows East Coast, Inc., to use said displays in a public celebration; and

WHEREAS, it appears to the Wayne County Board of Commissioners that permits to use pyrotechnics should be given for such celebration as provided by North Carolina General Statutes 14-410 and 14-413.

NOW, THEREFORE, BE IT RESOLVED by the Wayne County Board of Commissioners that Pyro Shows East Coast, Inc., is hereby given permission to use pyrotechnics under the supervision of an expert at their public celebrations to be held on June 28, 2025, contingent upon the approval of the Wayne County Inspections Department.

This the 3rd day of June, 2025.


Barbara Aycock, Chairwoman
Wayne County Board of Commissioners

Attest:


Carol Bowden
Clerk to the Board



Federal Explosives License/Permit
(18 U.S.C. Chapter 40)

THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF ATF - Chief, FELC
Correspondence To 244 Needy Road
Martinsburg, WV 25405-9431

License/Permit
Number

1-SC-091-50-7L-00269

Chief, Federal Explosives Licensing Center (FELC)

Expiration
Date

November 1, 2027

Name
PYRO SHOWS EAST COAST INC

Premises Address (Changes? Notify the FELC at least 10 days before the move.)

4652 CATAWBA RIVER ROAD
CATAWBA, SC 29704-

Type of License or Permit

50-MANUFACTURER OF EXPLOSIVES

Purchasing Certification Statement

The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)

PYRO SHOWS EAST COAST INC
PO BOX 1776
LA FOLLETTE, TN 37766-

Licensee/Permittee Responsible Person Signature

Position/Title

President

10-28-2024

Date

Printed Name

Jesse Salvesson

ATF Form 5400.14/5400.15 Part I
Revised September 2011

Previous Edition is Obsolete

PYRO SHOWS EAST COAST INC:4652 CATAWBA RIVER ROAD:29704-1-SC-091-50-7L-00269 November 1, 2027-50-MANUFACTURER OF EXPLOSIVES

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address (27 CFR 555.54(a)(1)). Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. **(The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)**

Right of Succession (27 CFR 555.59). (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

(Continued on reverse side)

Cut Here ✂

Federal Explosives License/Permit (FEL) Information Card

License/Permit Name: PYRO SHOWS EAST COAST INC

Business Name:

License/Permit Number: 1-SC-091-50-7L-00269

License/Permit Type: 50-MANUFACTURER OF EXPLOSIVES

Expiration: November 1, 2027

Please Note: Not Valid for the Sale or Other Disposition of Explosives.

Federal Explosives License/Permit
(18 U.S.C. Chapter 40)

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF
Correspondence To
ATF - Chief, FELC
244 Needy Road
Martinsburg, WV 25405-9431

License/Permit
Number
1-SC-091-51-7L-00270

Chief, Federal Explosives Licensing Center (FELC)

Expiration
Date
November 01, 2027

Name
PYRO SHOWS EAST COAST INC

Premises Address (Changes? Notify the FELC at least 10 days before the move.)

**4652 CATAWBA RIVER ROAD
CATAWBA, SC 29704-**

Type of License or Permit

51-IMPORTER OF EXPLOSIVES

Purchasing Certification Statement

The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)

PYRO SHOWS EAST COAST INC
PO BOX 1776
LA FOLLETTE, TN 37766-

Licensee/Permittee Responsible Person Signature

Position/Title

Printed Name

Date

ATF Form 5400.14/5400.15 Part I
Revised September 2011

Previous Edition is Obsolete PYRO SHOWS EAST COAST INC:4652 CATAWBA RIVER ROAD:29704-1-SC-091-51-7L-00270:November 01, 2027:51-IMPORTER OF EXPLOSIVES

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address (27 CFR 555.54(a)(1)). Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. **(The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)**

Right of Succession (27 CFR 555.59). (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

(Continued on reverse side)

Cut Here ✂

Federal Explosives License/Permit (FEL) Information Card

License/Permit Name: PYRO SHOWS EAST COAST INC

Business Name:

License/Permit Number: 1-SC-091-51-7L-00270

License/Permit Type: 51-IMPORTER OF EXPLOSIVES

Expiration: November 01, 2027

Please Note: Not Valid for the Sale or Other Disposition of Explosives.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/13/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Acrisure Great Lakes Partners Insurance Services 223 West Grand River Ave #1 Howell MI 48843	CONTACT NAME: _____ PHONE (A/C, No, Ext): 216-658-7100 FAX (A/C, No): 216-658-7101 E-MAIL: info@brittongallagher.com ADDRESS: _____ INSURER(S) AFFORDING COVERAGE <table style="width: 100%;"> <tr> <th style="text-align: left;">INSURER</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A : Everest Indemnity Insurance Company</td> <td>10851</td> </tr> <tr> <td>INSURER B : Everest Denali Insurance Company</td> <td>16044</td> </tr> <tr> <td>INSURER C : Everspan Indemnity Insurance Company</td> <td>16882</td> </tr> <tr> <td>INSURER D : AXIS Specialty Insurance Company</td> <td>15610</td> </tr> <tr> <td>INSURER E : _____</td> <td>_____</td> </tr> <tr> <td>INSURER F : _____</td> <td>_____</td> </tr> </table>	INSURER	NAIC #	INSURER A : Everest Indemnity Insurance Company	10851	INSURER B : Everest Denali Insurance Company	16044	INSURER C : Everspan Indemnity Insurance Company	16882	INSURER D : AXIS Specialty Insurance Company	15610	INSURER E : _____	_____	INSURER F : _____	_____
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INSURER F : _____	_____														
INSURED Pyro Shows East Coast Inc. PO Box 1776 LaFollette TN 37766															

COVERAGES**CERTIFICATE NUMBER:** 2044455807**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WYD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	☒ COMMERCIAL GENERAL LIABILITY CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY ☒ PROJECT ☐ LOC OTHER: _____	Y Y	GCI0010001-241	10/1/2024	10/1/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ _____ PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 S
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	Y Y	GCD0010001-241	10/1/2024	10/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ _____ BODILY INJURY (Per accident) \$ _____ PROPERTY DAMAGE (Per accident) \$ _____ S
D	☐ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB CLAIMS-MADE DED RETENTION \$ _____	Y Y	P-001-000698866-04	10/1/2024	10/1/2025	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 S
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ Y ☒ N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ _____ E.L. DISEASE - EA EMPLOYEE \$ _____ E.L. DISEASE - POLICY LIMIT \$ _____
A	Excess Liability #2		GCI0010002-241	10/1/2024	10/1/2025	Each Occ/Aggregate \$5,000,000 Total Limits \$10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Additional Insured extension of coverage is provided by above referenced General Liability policy where required by written agreement.
 Fireworks Display: 6/28/2025
 Additional Insured: Greater Pikeville Improvement Committee: City of Pikeville: State of North Carolina

CERTIFICATE HOLDER**CANCELLATION**

Greater Pikeville Improvement Committee
 P.O. Box 351
 Pikeville NC 37863
 United States

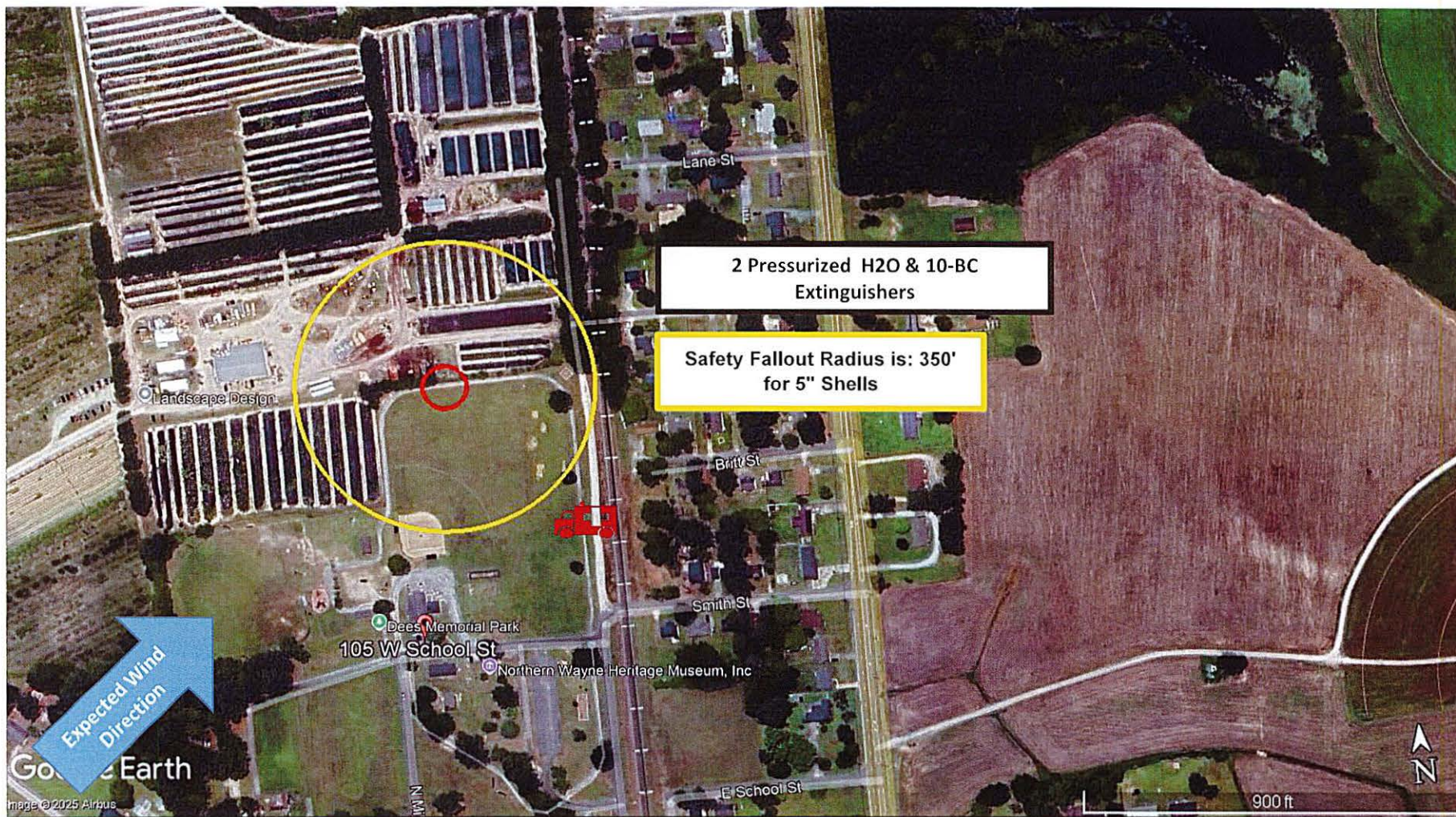
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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SITE

Customer Workbook - 6.28.2025 EC-v1-P5-M6



Customer: Greater Pikeville Improvement Committee
 Show Date: Saturday, June 28, 2025
 Show Address: 105 School Street Pikeville, NC 27863
 Show Site Lat / Long: 35°30'12.0"N 77°59'04.8"W
 Show Time: 9:30 PM
 Rain Date: Sunday, June 29, 2025

Show Name: Greater Pikeville Improvement Committee IDC (Hale show)
 Maximum Device Size: 5
 Safety Fallout Radius: 350'
 Storage Required: NO
 Diagram Created: 05/07/25
 Diagram Created By: JDS

COUNTY OF WAYNE

APPLICATION FOR OPERATIONAL FIRE PERMIT

DATE: 5-17-25

NAME OF OWNER(S)/CONTRACTOR:

PERMANENT 911 ADDRESS:

TYPE OF OCCUPANCY/USE:

Town of Pikeville
4th of July
Celebration
6-28-25

Dennis Lewis / Pyro Shows105 School St. Pikeville, NC

AMUSEMENT BUILDINGS: _____

CARNIVALS & FAIRS: _____

COVERED MALL BUILDINGS: _____

EQUIPMENT IN ASSEMBLY BUILDINGS: _____

EXHIBITS & TRADE SHOWS: _____

EXPLOSIVES: _____

FLAMMABLE & COMBUSTIBLE LIQUIDS: _____

FUMIGATION & THERMAL INSECTICIDAL FOGGING: _____

LIQUID OR GAS FUELED VEHICLES: _____

PRIVATE FIRE HYDRANTS: _____

PYROTECHNIC SPECIAL EFFECTS MATERIALS: ☒

SALE OF FIRE WORKS: _____

SPRAYING OR DIPPING: _____

TEMPORARY MEMBRANCE STRUCTURES, TENTS & CANOPIES: _____

TOTAL OPERATIONAL FIRE PERMIT FEE: \$ 85⁰⁰

* Will Pay when approved
by County Commissioners

Dennis Lewis / Pyro Shows

CONTRACTOR/OWNER/BUSINESS LISTING WITH THE STATE

786 Perkins Rd. Pikeville NC 27863

MAILING ADDRESS

045357 NCDL

NC LICENSE NO.

919-580-7417

MOBILE NO.

WORK NO.

1.) CASH PAYMENT:

YES, HOW MUCH? _____

NO CASH PAYMENT WILL BE USED: _____

2.) CHECK PAYMENT:

YES, HOW MUCH? _____

CHECK NO. _____

NO CHECK PAYMENT WILL BE USED: _____

I, _____, HEREBY AUTHORIZE THE WAYNE COUNTY INSPECTIONS DEPARTMENT
TO CHARGE THE PERMIT FEE TO MY CREDIT CARD.

3.) CREDIT CARD PAYMENT (VISA OR MASTERCARD ONLY)

CREDIT CARD NO.: _____

EXPIRATION DATE (MM/YY): _____ 3 DIGIT CVV/CCID/V-CODE ON THE BACK OF CREDIT CARD: _____

BILLING ADDRESS OF CREDIT CARD: _____

FEE SCHEDULE – UPDATED JULY 1, 2020 A RE-INSPECTION FEE OF \$60.00 WILL BE CHARGED PER RE-INSPECTION
1.5 TIMES TOTAL PERMIT FEE – ONLY IF WORK IS STARTED BEFORE THE PERMIT IS ISSUED

WAYNE COUNTY INSPECTIONS DEPARTMENT CONTACT INFORMATION:

MAILING ADDRESS: P.O. BOX 227, GOLDSBORO, NC 27533

PHYSICAL ADDRESS: 134 N. JOHN STREET, GOLDSBORO, NC 27533 (3RD FLOOR OF THE JEFFREY'S BLDG IN RM 305)

PHONE NO.: (919) 731-1169 FAX NO.: (919) 705-1815 WEBSITE: WWW.WAYNEGOV.COM

Greater Pikeville Improvement Committee

Greater Pikeville Improvement Committee IDC (Hale show)

Saturday, June 28, 2025

Show Time: 9:30 PM | Show Length: 15 Minutes

MAIN BODY

SHELL SIZE	DEVICE	QUANTITY	TOTAL
19 x 1.25"	Cakes	6	114
2.5"	Aerial Shells	40	40
3"	Aerial Shells	140	140
4"	Aerial Shells	96	96
5"	Aerial Shells	80	80
MAIN BODY DEVICE TOTAL			470

FINALE

SHELL SIZE	DEVICE	QUANTITY	TOTAL
2.5	Aerial Shells	20	20
3"	Aerial Shells	180	180
4"	Aerial Shells	12	12
5"	Aerial Shells	5	5
TOTAL FINALE DEVICES			217

TOTAL DEVICE COUNT - MAIN BODY AND FINALE	687
---	-----

Fireworks 1.3 G Display

Largest Shell: 5

Safety Radius: 350'

Show Time: 9:30 PM

Show Length: 15 Minutes

REGULATORY BOOK

REGULATORY



PYRO SHOWS East Coast

REGULATORY

DOT Call In:

Carson Stogner – 800.238.5114

Please state location and time



Pyro Shows Inc

Contact Numbers

Main office – LaFollette, TN	-----	800-662-1331
	FAX	423-562-9171
Jesse Salvesson	----- cell	423-494-4202
Mike Walden	----- cell	423-494-9057
Lansden Hill	----- cell	865-803-3700
<u>Pyro Shows of Texas</u>		
Texas office – Suzanne McKinney	-----	800-488-7976
	FAX	817-237-3374
Kyle Wooten	----- cell	361-944-4595
Daniel Chadwick	----- cell	423-912-5069
Chad Stanley	----- cell	817-933-9017
Mike Walden	----- cell	423-494-9057
<u>Pyro Shows Alabama</u>		
Alabama office	-----	877-776-7976
	FAX	205-789-2709
Stephanie Wiley	----- cell	205-777-1286
Marvin Jones	----- cell	205-266-5023
Jeff Freels	----- cell	205-915-9137
Danny Turner	----- cell	904-442-0171
Mike Walden	----- cell	423-494-9057

Pyro Shows Emergency Contact Information

Guidelines for calling:

Using your common sense, contact the person most likely able to help you or answer your questions. You are welcome to go up the chain as needed.

If you cannot reach the desired contact person, leave a voice mail message; but immediately follow it up with a text message.

(Generally, people check their text messages more frequently than they check voice mails)

Any incident that has caused personal injury, illness or property damage, whether caused by a fireworks vehicular accident shall be reported to

South Carolina – East Coast	-----	800-238-5114
Fred Cantrell	-----	803-984-9248
Scott Donahue	-----	803-517-2893
Joes Matthews	-----	803-558-9798
Carson Stogner	-----	843-337-5166
Jesse Salvesson	-----	423-494-4202

PYRO SHOWS TRAINING SEMINAR 2017

OUTDOOR DISPLAY MINIMUM DISTANCES TO REMEMBER	
35 FEET	PER SHELL INCH FROM MORTAR OF NON BURSTING COMET OR MINE TO SPECTATORS OR PARKING
70 FEET	PER SHELL INCH FROM MORTAR TO SPECTATORS OR PARKING
140 FEET	PER SHELL INCH FROM MORTAR TO HOSPITALS, JAILS OR BULK HAZ MAT STORAGE
2 FEET	PER SHELL INCH FROM MORTAR TO BUNKER THROUGH 6" SHELLS
4 FEET	PER SHELL INCH FROM MORTAR TO BUNKER LARGER THAN 6" SHELLS
25 FEET	BETWEEN AREA OF MANUAL FIRING AND ELECTRIC FIRING ON BARGES AND ROOFTOPS
25 FEET	TO OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, POWER LINES, OR ANTENNAS
50 FEET	DOWNWIND FROM FIREWORKS FOR SMOKING
50 FEET	FROM FIREWORKS TO SHELL REPAIR OR FUSE CUTTING ACTIVITY
50 FEET	FROM FIREWORKS TO PUBLIC AT SHOW SITE BEFORE PREPARATION
100 FEET	FROM FIREWORKS TO PUBLIC AT SHOW SITE DURING PREPARATION
75 FEET	FROM MORTARS TO UNSHELTERED OR UNBARRICADED CREW ON ELECTRIC SHOW
75 FEET	FROM LOW POWERED SET PIECES TO SPECTATORS OR PARKING
125 FEET	FROM HIGH POWERED SET PIECES, WHEELS, CAKES, OR ROMAN CANDLES TO SPECTATORS OR PARKING

PYRO SHOWS TRAINING SEMINAR 2017

HELPFUL HINTS WITH MOST COMMON QUESTIONS**FUSING WITH Z18 IGNITER CORD**

15 SEC DURATION	CUT TIMER FUSE 20 TO 21 INCHES
16 SEC DURATION	CUT TIMER FUSE 21 TO 22 INCHES
17 SEC DURATION	CUT TIMER FUSE 22 TO 23 INCHES
18 SEC DURATION	CUT TIMER FUSE 23 TO 24 INCHES
19 SEC DURATION	CUT TIMER FUSE 24 TO 25 INCHES
20 SEC DURATION	CUT TIMER FUSE 25 TO 26 INCHES
21 SEC DURATION	CUT TIMER FUSE 26 TO 27 INCHES
22 SEC DURATION	CUT TIMER FUSE 27 TO 28 INCHES

****WHEN FUSING WITH Z18 (RED CORD) YOU MUST TAPE ENTIRE LENGTH BETWEEN SHELLS****

ALL SIZES OF PRESTRUNG SHELLS ARE INTENDED TO LAST 15-20 SECONDS

ELECTRIC MATCH NOTES:

2M (ORANGE)	USE THESE FOR SETUPS, CANDLES, COMETS
3M (BLACK)	USE THESE FOR DIGITAL FIRING SYSTEMS
5M (BLUE)	USE THESE FOR CAKES AND SINGLE DEVICES
10M (ORANGE)	USE THESE FOR WATERFALL

NEVER SLIDE THE SAFETY CAP BACK FROM THE MATCH HEAD BEFORE INSERTING INTO FUSE

ELECTRICAL AND CONTINUITY NOTES:

ELECTRIC MATCH	2-3 OHMS OF RESISTANCE
24 GAUGE 2 PAIR WIRE	55 OHMS OF RESISTANCE PER 1000 FEET
25 PAIR CABLE	7-10 OHMS OF RESISTANCE PER 100 FEET

1 VOLT CAN FIRE 2 OHMS

Ex. 24 VOLT BATTERY CAN FIRE 48 OHMS, 36 VOLT BATTERY CAN FIRE 72 OHMS

BE SMART, BE SAFE, AND HAVE FUN!!!

ROUTE PLAN CHEKCLIST

SHOW : _____

Date: _____

- _____ Front Cover
- _____ Bill of Lading
- _____ Cue Sheets
- _____ Hotel Reservation (Alison)
- _____ Any Important Emails (M. Ford)
- _____ Music (if applicable) (Garrett)
- _____ Keys to any gates (if applicable)
- _____ Receipt Holder
- _____ Customer/Show Information (sales)
- _____ Route Plan / Directions
- _____ Site Diagram (sales)
- _____ Certificate of Insurance (Rigney)
- _____ Permit(s) (if applicable) (Rigney)
- _____ Regulatory Standard Information (GUTS)
- _____ Cue Logs (Separate Book if applicable) (Garrett)
- _____ OSFM Firework Checklist for NC Shows ONLY

COMPLETED : _____

Notes:

5. SHIPPING REQUIREMENTS

*** 5.1 Transportation Regulating Authorities** Transportation of fireworks is regulated by DOT. Some states and municipalities also regulate transportation of fireworks through their jurisdiction, often by incorporation of federal regulations.

*** 5.2 Approval** Except for samples prepared in accordance with DOT regulations, or unless specifically permitted by this Standard, no fireworks device or novelty may be offered for transportation or transported until it is classed and approved by DOT, and an approval number (EX number) is issued (Title 49 CFR, § 173.56.) (see chapters 3-4 and appendix D)

*** 5.2.1** EX numbers for fireworks contained in a shipping carton must be marked on the shipping carton or on the shipping paper.

*** 5.2.2** Cartons containing 5 or more different fireworks devices must be marked with at least 5 of the EX numbers covering items in the carton, or the EX numbers must appear on the shipping paper. (Title 49 CFR, §172.320(c) and (d))

*** 5.3 Packaging** With certain exceptions, Consumer Fireworks UN0336, Display Fireworks UN0335, Articles Pyrotechnic UN0431 and Novelties, must be securely packaged in containers complying with DOT regulations Title 49 CFR, § 178. Gross weight limitation per package is now dictated by the weight marked on the certified packaging. Articles with match or friction tip ignition must be packed so that each individual tip is protected against accidental contact or friction. Loose chemical composition may not be present in packages in transportation. (Title 49 CFR, §172.102(c), Special Provision (108))

*** 5.4 Placards** Unless otherwise provided, each motor vehicle, freight container and rail car must bear appropriate placards on each end and each side (Title 49 CFR, § 172.504 (a).) Vehicles containing packages of consumer fireworks or novelties which are labeled 1.4G require a 1.4G or Explosive 1.4G placard (Title 49 CFR, § 172.523,) and use of the word explosive is optional (Title 49 CFR, § 172.519(b)(3).) except highway and rail shipments of less than 1,000 pounds gross weight of such fireworks need not bear a placard (Title 49 CFR, § 172.504(c).) Vehicles containing display fireworks in any quantity require a 1.3G or Explosive 1.3G placard (Title 49 CFR, § 172.522) and use of the word explosive is optional (Title 49 CFR, § 172.519(b)(3).) If both 1.4G and 1.3G are present in a shipment, the 1.3G placard is required, and the 1.4G placard is not needed.

*** 5.5 Package Marking and Labeling** Each person who offers fireworks for transportation shall ensure that the package displays the appropriate square-on-point label (Title 49 CFR, § 172.400(a) and 172.411.) Use of the word explosive on the 1.3G and 1.4G labels is not required (Title 49 CFR §172.405(a).) Consumer fireworks, toy smoke devices, and trick noisemakers are either classed as 1.4G, 1.4S, or not regulated for transportation purposes. Display fireworks are classed as 1.3G (Title 49 CFR, § 172.101.) The label must be printed or affixed to the surface of the package near the proper

§172.519 General specifications for placards.

(a) *Strength and durability.* Placards must conform to the following:

(1) A placard may be made of any plastic, metal or other material capable of withstanding, without deterioration or a substantial reduction in effectiveness, a 30-day exposure to open weather conditions.

(2) A placard made of tagboard must be at least equal to that designated commercially as white tagboard. Tagboard must have a weight of at least 80 kg (176 pounds) per ream of 610 by 910 mm (24 by 36-inch) sheets, waterproofing materials included. In addition, each placard made of tagboard must be able to pass a 414 kPa (60 p.s.i.) Mullen test.

(3) Reflective or retroreflective materials may be used on a placard if the prescribed colors, strength and durability are maintained.

(b) *Design.* (1) Except as provided in §172.332 of this part, each placard must be as described in this subpart, and except for size and color, the printing, inner border and symbol must be as shown in §§172.521 through 172.560 of this subpart, as appropriate.

(2) The dotted line border shown on each placard is not part of the placard specification. However, a dotted or solid line outer border may be used when needed to indicate the full size of a placard that is part of a larger format or is on a background of a non-contrasting color.

(3) For other than Class 7 or the DANGEROUS placard, text indicating a hazard (for example, "FLAMMABLE") is not required. Text may be omitted from the OXYGEN placard only if the specific identification number is displayed on the placard.

(4) For a placard corresponding to the primary or subsidiary hazard class of a material, the hazard class or division number must be displayed in the lower corner of the placard. However, a permanently affixed subsidiary placard meeting the specifications of this section which were in effect on October 1, 2001, (such as, a placard without the hazard class or division number displayed in the lower corner of the placard) and which was installed prior to September 30, 2001, may continue to be used as a subsidiary placard in domestic transportation by rail or highway, provided the color tolerances are maintained and are in accordance with the display requirements in this subchapter.

(c) *Size.* (1) Each diamond (square-on-point) placard prescribed in this subpart must measure at least 250 mm (9.84 inches) on each side and must have a solid line inner border 12.5 mm inside and parallel to the edge. The 12.5 mm measurement is from the outside edge of the placard to the outside of the solid line forming the inner border.

(i) *Transitional exceptions.* A placard in conformance with the requirements of this paragraph in effect on December 31, 2014, may continue to be used until December 31, 2016.

(ii) For domestic transportation, a placard manufactured prior to January 1, 2017 in conformance with the requirements of this paragraph in effect on December 31, 2014, may continue in service until the end of its useful life provided the color tolerances are maintained and are in accordance with the display requirements of this subchapter.

(2) Except as otherwise provided in this subpart, the hazard class or division number, as appropriate, must be shown in numerals measuring at least 41 mm (1.6 inches) in height.

(3) Except as otherwise provided in this subpart, when text indicating a hazard is displayed on a placard, the printing must be in letters measuring at least 41 mm (1.6 inches) in height.

(d) *Color.* (1) The background color, symbol, text, numerals and inner border on a placard must be as specified in §§172.521 through 172.560 of this subpart, as appropriate.

(2) Black and any color on a placard must be able to withstand, without substantial change—

(i) A 72-hour fadeometer test (for a description of equipment designed for this purpose, see ASTM G 23-69 or ASTM G 26-70); and

(ii) A 30-day exposure to open weather.

(3) Upon visual examination, a color on a placard must fall within the color tolerances displayed on the appropriate Hazardous Materials Label and Placard Color Tolerance Chart (see §172.407(d)(4)). As an alternative, the PANTONE® formula guide coated/uncoated as specified for colors in §172.407(d)(5) may be used.

(4) The placard color must extend to the inner border and may extend to the edge of the placard in the area designated on each placard except the color on the CORROSIVE and RADIOACTIVE placards (black and yellow, respectively) must extend only to the inner border.

(e) *Form identification.* A placard may contain form identification information, including the name of its maker, provided that information is printed outside of the solid line inner border in no larger than 10-point type.

(f) *Exceptions.* When hazardous materials are offered for transportation or transported under the provisions of subpart C of part 171 of this subchapter, a placard conforming to the specifications in the ICAO Technical Instructions, the IMDG Code, or the Transport Canada TDG Regulations (IBR, see §171.7 of this subchapter) may be used in place of a corresponding placard conforming to the requirements of this subpart. However, a bulk packaging, transport vehicle, or freight container containing a material poisonous by inhalation (see §171.8 of this subchapter) must be placarded in accordance with this subpart (see §171.23(b)(10) of this subchapter).

(g) *Trefoil symbol.* The trefoil symbol on the RADIOACTIVE placard must meet the appropriate specification in appendix B of this part.

[Amdt. 172-123, 55 FR 52601, Dec. 21, 1990, as amended at 56 FR 66260, Dec. 20, 1991; 57 FR 45460, Oct. 1, 1992; Amdt. 172-143, 60 FR 50305, Sept. 28, 1995; 65 FR 50460, Aug. 18, 2000; 66 FR 33426, June 21, 2001; 66 FR 44255, Aug. 22, 2001; 67 FR 15743, Apr. 3, 2002; 70 FR 34075, June 13, 2005; 69 FR 64473, Nov. 4, 2004; 72 FR 25176, May 3, 2007; 76 FR 43528, July 20, 2011; 76 FR 56314, Sept. 13, 2011; 80 FR 1151, Jan. 8, 2015]

EMERGENCY RESPONSE INFORMATION

FIREWORKS, UN0335, EXPLOSIVE 1.3G

No chemical composition is release or exposed during normal handling, storage, and transportation. In the event of a vehicle fire that reaches the cargo area, the fireworks are likely to ignite. The individual fireworks will explode rapidly, spreading burning particles over a several hundred foot area. A mass explosion is possible, particularly with large quantities of fireworks, and precautions should be taken in the even that one does occur. Smoke and potentially irritation gasses will be produced in a fire. If the Fireworks are spilled as the result of an accident but do not ignite, they can safely be picked up and repackaged. The area should be kept cleared of unnecessary people while this is being done.

EMERGENCY ACTION

In case of fire, stop traffic and begin to clear the area for 2500 feet (1/2 mile) in all directions. Keep unnecessary people away.

Do not fight fire in cargo area. Try to prevent other types of fire form reading the cargo area. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide some limited protection. Firefighters should retreat if fire approaches cargo area.

FOR EMERGENCY RESPONSE INFORMATION DURING TRANSPORTATION CALL :

MONDAY – FRIDAY 8:00 AM TO 5:00 PM ESATERN TIME 1-800-238-5114. (PYRO SHOW'S EAST COAST OFFICE)

ALL OTHER TIMES: 1-800-255-3924

(ChemTel, Inc. Emergency Response Assistance Contract # MIS2595697)

FIRE

Truck Fire: (other than cargo area): Flood with water. Tire fires may start again. Unhook and separate tractor from trailer, if possible.

Cargo Fire: **DO NOT** move cargo or vehicle if cargo has been exposed to heat.

DO NOT fight fire if and when it reaches cargo. Withdraw from area and let fire burn. Use firefighting team to prevent spread of fire to adjacent structures and materials.

Promptly isolate the scene by removing all persons from the vicinity of the incident. First, move people out of the line of sight of the scene and away from windows. Obtain more information from competent authorities listed on the shipping papers.

SPILL OF CARGO

Shut of all ignition sources. There shall be not flares, smoking, tools capable of producing sparks, or flames in the vicinity of the spilled material. Cautiously pick up the spilled devices and place them in cardboard cartons.

FIRST AID

Call emergency medical care. Use first aid treatment according to the nature of the injury.

100 Air Mile Daily Driver Record

NAME: Jesse Solveson
 TRUCK #: P-36
 Trailer #: PST-15

CITY, STATE: LaFollette, TN

CHECK VEHICLE TYPE:

☒ EQUIPMENT
☐ 1.4G
☒ 1.3G

1.3G RMSH
 ON ROUTE COMMUNICATION RECORD

SHIPPER'S # / BOL: 17-TN-584-34B-1
 NAME OF DISPATCHER: Keya Suttles

DEPARTURE TIME	ARRIVAL TIME
<u>8:00 AM</u>	<u>#1 9:45 AM</u>
	<u>#2</u>
	<u>#3</u>
	<u>#4</u>
	<u>#5</u>
	<u>#6</u>
	<u>FINAL DESTINATION 9:45 AM</u>

Date: 1-13-18
 Tractor/Truck #: P-36
 Trailer #: PST-15
 Defect Description: N/A

☐ ABOVE DEFECTS CORRECTED
☐ ABOVE DEFECTS NEED NOT BE CORRECTED FOR SAFE OPERATION OF VEHICLE

Mechanic Signature: _____ Date: _____

DRIVER STATEMENT OF ON-DUTY / WORK HOURS
 Record of all hours for any compensated work during the preceding 7 days including non-driving work.

Day # 1 = Yesterday	1	2	3	4	5	6	7
WEEKDAY:	<u>Fri</u>	<u>TH</u>	<u>Wed</u>	<u>Tues</u>	<u>Mon</u>	<u>Sun</u>	<u>Sat</u>
DATE:	<u>1-12-18</u>	<u>1-11-18</u>	<u>1-10-18</u>	<u>1-9-18</u>	<u>1-8-18</u>	<u>1-7-18</u>	<u>1-6-18</u>
TIME: Reported to Duty	<u>8:00</u>	<u>8:00</u>	<u>8:00</u>	<u>8:00</u>	<u>8:00</u>	<u>N/A</u>	<u>N/A</u>
TIME: Relieved from Duty	<u>4:00</u>	<u>4:00</u>	<u>4:00</u>	<u>4:00</u>	<u>4:00</u>	<u>N/A</u>	<u>N/A</u>
TOTAL HRS PER DAY WORKED:	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>
TOTAL WEEKLY HOURS WORKED (add days 1-7 totals):							<u>56</u>

I hereby certify that the information given is correct to the best of my knowledge and belief.
 SIGNATURE: [Signature] TODAY'S DATE: 1-13-18

100 AIR MILE DRIVER RECORD - CHECK ONE

☒ I AM DRIVING UNDER THE SHORT HAUL EXEMPTION - SEE RECORDS BELOW (100 Air Miles)
☐ I AM DRIVING UNDER THE TRALA 8-DAY SHORT TERM RENTAL EXEMPTION (Rental Trucks)
☐ I AM DRIVING UNDER THE 8 DAY ELD EXEMPTION - SEE ATTACHED LOG (8 Day Rule)
☐ I AM DRIVING USING A REQUIRED ELD

Time Reported to Duty 8:00
 AM / PM
 Time Released from Duty 1:00
 AM / PM
 TOTAL HOURS ON DUTY _____

REMARKS: Delivery to Pigeon Forge, TN

SIGNATURE: [Signature] TODAY'S DATE: 1-13-18

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown. Indicate whether defects are on

Date: _____

PYRO SHOWS, INC.

Hours of Service Policy & Disciplinary Program

This policy and disciplinary program is intended to keep Pyro Shows' drivers and their surroundings safe, while also complying with FMCSA regulation-CFR Part 395.

Hours of Service Policy

- Drivers may drive a total of 11 hours in one day.
- Drivers may not drive after the 14th hour of "on duty" time. Therefore, drivers can log more than 14 hours of "on duty" time in one day, so long as the driver does not do any CMV driving after the 14th hour of "on duty" time.
- At the conclusion of each day, drivers must have 10 or more hours "off duty" before they can return to "On Duty" or "Driving" status.
- Drivers may be "on duty" for a total of 60 hours in a 7 day period or 70 hours in an 8 day period. Once the driver has reached his total number of hours(60 in 7 days or 70 in 8 days), he may restart his driving period after 34 consecutive hours of "off duty" time.
- Pyro Shows' management must confer with drivers before sending them on the road to verify they have enough available hours to complete the task at hand.

Drivers' Logs

- Drivers' logs must be neat and legible, filled out correctly, and signed.
- Drivers must show 7 days prior to the current day.
- At each stop or change of duty status, the log must be updated.
- Logs should reflect breaks, fuel stops, inspections, etc. Mileage is encouraged to be logged at each change of duty status. The town and state where the change of duty status occurs must be logged.
- Driver logs must be turned in no later than 1 week after the end of a route/trip.
- When turning in logs to office administration, copies of supporting documents (fuel receipts, hotel bills, credit card statements, inspections, etc.) should be made and kept in that particular driver's DQ file.
- In a team driver scenario, both drivers must keep separate logs. Both logs must coincide and agree with each other.

Hours of Service Disciplinary Program

- Pyro Shows Management will check driver's logs to ensure compliance with Pyro Shows' Hours of Service Policy.
- Drivers will be notified if their log book is in violation of Pyro Shows' Hours of Service Policy.
- Drivers will be instructed on how to prevent a violation in the future.
- If errors and violations continue concerning hours of service/log books, appropriate disciplinary action will result based on Pyro Shows' discretion.

COBRA Common Troubleshooting Reference

The purpose of this document is to outline the common troubleshooting issues per device.

Device	Issue	Solution
Any	Er3 displaying on 7-segment displays	This is a stuck button error code. Make sure no buttons are pressed while the unit is powering on.
Any	Units not SYNCED or SYNCING	Please see http://www.cobrafiringsystems.com/sync to learn how to sync. Follow this procedure closely as it's commonly minor user error when this fails to occur.
Module	Er1 or Er2 displaying on 7-segment displays	1) Check battery orientation and power levels. 2) Confirm correct voltage mode. This is the number (9.0, 12.0, 14.8, 18.0, or 24.0) that displays during power up. 9V modules should display 9.0. LiPo modules should display 14.8. To change, press TEST and CH+ or TEST and CH- to toggle the mode. Re-start the module. 3) If 2P0 displays during power up AND module has cues wired, try to remove wired cues as you may have a bad cue. If error does not appear if that cue is not wired, then please don't use this cue during the show.
Module	Er5 displaying on 7-segment displays	Re-sync the module to the remote. See http://www.cobrafiringsystems.com/sync . If this does not resolve issue, confirm the firmware versions match on the remote and module. These are the first three numbers displayed when powering on.
Remote	Key switch broken	If you broke the key switch on the remote, it can be hot-wired as a short term solution. To perform this, remove the back half enclosure and cut the two wires that go to the key switch. Then, strip back the insulation, connect the wires, and use tape to shield them. You can insert the batteries into the remote to power on.
Remote	Lo repeatedly flashing	1) If Lo flashes and an A## value does not display after, then your 18R or 18R2 has a power level of P3 or lower. Replace your remote batteries. 2) If Low flashes followed by A##, then the module with address A##, for example, A01, has a 1P3 or lower. Check and replace the 1P battery. To determine address on a module, press and release the TEST button on the module.
Remote	ARM LED does not stop blinking on 18R or 18R2	This means that one or more modules that were recognized in TEST mode, are not acknowledging as armed in ARM mode. When this happens, the 18R or 18R2 will display the module address as A## to inform you which module is not armed. To determine a module's address, press TEST on the module. This can occur for one of the following reasons: 1) The module key is in the TEST and not ARM position. 2) If you are running 5.0.0 or 5.0.2, power off and on the module. 3) The module key is in the ARM position, but there is something wrong with the key switch that makes the module think it's key is in the TEST position. If you restart the module in ARM and the 1-18 LEDs display all green and all red, then it thinks the key is in the TEST position. You need to swap the key switch, module, or hot-wire the module. See http://www.cobrafiringsystems.com/hotwire18m.jpg.
Remote	Lo Ant repeatedly displaying	This means that one or more of your modules have a low signal. 0 is perfect signal, -99 is bad signal. If you are running 4.0.0, this displays for any signal between -65 and -99. If you are running 5.0.0+, this displays for any signal between -75 and -99. Any signal between 0 and -75 is acceptable. After Any is displayed, the module address is displayed to identify which module has low signal. In 5.0.0+, the module address and then channel is displayed. To resolve, find the module in question and try to improve line of site by raising the module removing barriers, and obtaining better line of site. Confirm the antenna is tight, try replacing the antenna. If you are operating 5.0.0+, you can use other modules as signal repeaters to improve signal.

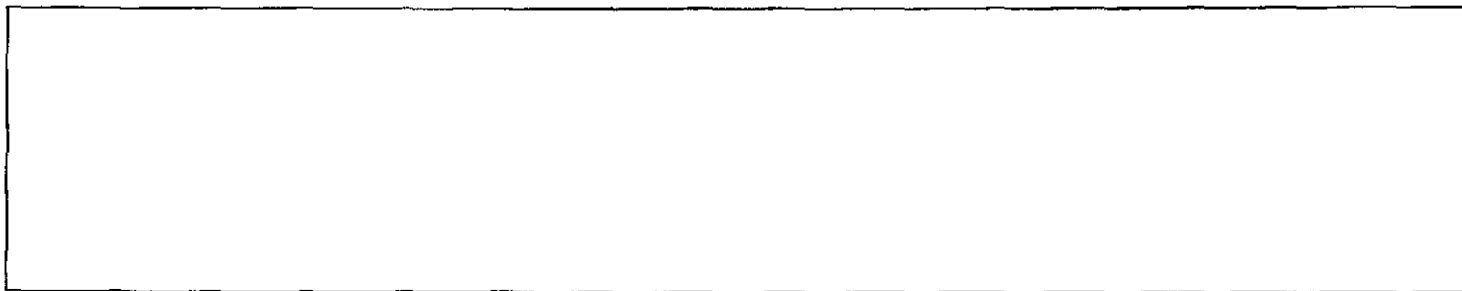
Device	Issue	Solution
Remote	Green continuity LEDs blinking	This occurs when you have multiple modules on the same channel and partial continuity on each module. This is normal behavior assuming you intentionally have multiple modules on the same channel. To view continuity on each module, repeated press the TEST button on the 18R2 and the module address and associated continuity will display. To determine a module's address, press TEST on the module.
Remote	PAU displaying when trying to start the script	It's likely that you are running 5.0.0 or greater and you had defined a trigger confirmation in your script. In 5.0.0+, this argument is now the deadman argument. This was likely not intended, but in order for the script to fire, you need to press and hold the confirmation / deadman button throughout the script.
Remote	All LEDs go red and Er 50 is displayed when syncing	You have maxed out the total number of module addresses (200) which you can SYNC to a remote. You need to force un-sync the remote only, then re-sync your modules. The instructions to perform this on the 18R or 18R2 varies by firmware version. In 3.0.3 or earlier, press SYNC for 10+ seconds. In 4.0.0, press SYNC for 30+ seconds. In 5.0.0+, press CH+ and CH- for 30+ seconds. In all cases, the SYNC LED will flash a few times when complete. Once done, re-sync your units.
Remote	SP displaying at bottom of 18R2 when script is started or playing	This means the script has a STEP event defined and the STEP button must be pressed to fire the current event in the script.
Remote	No modules appearing on 18R2	This can happen for several reasons. 1) When the 18R2 first arms, it's common to see 0 appear on the 18R2 and for this to repeat for a while. If you have higher module counts, this is normal as the 18R2 ARM LED will blink. You should have all modules appear in about 1-2 seconds per module. Be patient and wait for the modules to load. 2) Confirm your modules are in SYNC. The SYNC LED should be blinking on the modules. If not, see http://www.cobrafiringsystems.com/sync 3) If you are running 5.0.0, if no modules load or if all modules are not responding, please power off all modules and the 18R or 18R2. Then, power on your systems from scratch.
Remote	Script not starting	Make sure the script designer has provided you the correct trigger channel and that your 18R2 is on the correct channel. If the script was created with Finale Fireworks, the trigger channel is c00 and the trigger button is 1. Make sure your remote is on channel 00 and not 01 if this is the case.
Audio Box	Audio Box	The audio file and 18R2 should be dry run before every show. If this did not occur, there are a few reasons why the Audio Box may not be starting with the script. 1) If your running 3.0.3, the audiofile must be named audiobox.mp3. In some cases, users will type the .mp3 extension into the filename causing this to be audiobox.mp3.mp3. Make sure the .mp3 does not exist in the filename. 2) If you are running 4.0 or greater, make sure the audio filename defined in the script, matches the audio filename on the USB drive. Also, make sure the total characters of the filename are less than 12 characters including the .mp3 extension. Also, make sure there are no spaces or special characters in the filename. 3) The audio .mp3 file was not properly formatted using Audacity per the audio box instructions. See the appendix in http://www.cobrafiringsystems.com/static/userguides/COBRAAudioBoxDetailedUserGuide.pdf. In the worst case situation, you can press the AUDIO TEST button on the audio box to start the audio. If this does not play the audio, make sure the audiofile is named audiobox.mp3 as stated in #1 above.

COBRA Show Problem - What to do?

The purpose of this document is provide instructions on how to best handle any type of issue on your show. Issues can be caused by the operator, equipment, environment or other factors. It's important to treat the shoot site as a crime scene so that you can have as much information as possible to allow us to work with you to resolve the issue.

What was the problem?

Please try to describe as best as possible what issue happened during the show. For example, did a module not fire, did a cue not fire? Please use as much description as possible to detail the issue down to the specific cue #, module address, or whatever may be relevant.



In order to have as much evidence / information as possible, please perform the following steps:

Label / Quarantine the Equipment

Place a piece of tape and use a marker to label any equipment with the specifics of what did not happen. For example, label a module "Cue #1 did not fire".

Save the E-matches or Talons

Save any e-matches, MJG initiators, or Talon igniters that may not have fired. We will want to test these afterwards.

Take a Video

Use your camera phone to take a video of the module, remote, or any equipment as the problem happens, or after the problem happens. Small details such as a crossed wire, error codes, or information displayed on the module can be critical to resolving.

Keep the Batteries

Do not throw away the batteries or remove them from the module in order to preserve their original 1P or 2P locations. We will want to test these later.

Do not Re-sync or Clear any Scripts from Remote

Do not un-sync, re-sync, or clear any scripts from the remote. Keep the remote as-is and don't make any changes. We'll want to test everything as it was during the show.

Re-call Information and Write it Down

Re-call the events of the show leading into the issue and make detailed notes as soon as possible. Our memories may change as time goes on and it's critical to note everything immediately.

Contact Scott Smith at ssmith@cobrafiringsystems.com or 518-222-7410

Contact Scott to provide him this information. He can help you by asking the correct questions and providing further assistance to ensure we can avoid any further issues, whether operator or equipment. He is genuinely interested in helping as he is on our team.

SAFETY DATA SHEET

Conforms to OSHA'S Hazard Communication Standard 29 CFR 1910.1200

Section I-Identification

FIREWORKS 1.3G UN0335

Manufacturer Name and Address

Dancing Fireworks Group Co. Ltd.
Lihua Village, Yanxi Town, LiuYang, Hunan, China

ChemTel 24 Hour

Domestic: 1-800-668-7809
Emergency Response: International: 1-800-668-7809
Telephone Number: 86-731-83666268
Data Prepared: May 31st, 2015

Section II-Hazard(s) Identification



DANGER: Explosive; fire, blast or projection. Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Contains pyrotechnic composition; a solid mixture of oxidizer and fuel that burns if ignited. These items are classified as Fireworks, 1.3G, UN0335, PGII, Explosives by the U.S. Department of Transportation. No chemical components are released during normal handling and storage of shells. During function, gases and smoke are produced that may contain various oxides, chlorides, and other gaseous and particulate products.

SECTION III-Composition/Information on Ingredients

Exact Percentage (Concentration) of composition has been withheld as a trade secret, and or is used for a group of substantially similar mixtures:

Red Star: Potassium Perchlorate, Magnalium, Resinox, Strontium Carbonate, Shellac, Polyvinyl chloride.

Green Star: Potassium Perchlorate, Barium Nitrate, Magnalium, Charcoal, Resinox, Polyvinyl chloride.

Blue Star: Potassium Perchlorate, Sulfur, Magnalium, Copper Oxide, Resinox.

Yellow Star: Potassium Perchlorate, Strontium Carbonate, Magnalium, Resinox, Cryolite.

Purple Star: Potassium Perchlorate, Strontium Carbonate, Magnalium, Resinox, Copper Oxide, Polyvinyl chloride, Shellac.

Silver Star: Potassium Perchlorate, Aluminum, Magnalium, Resinox.

White Star: Potassium Perchlorate, Magnalium, Resinox.

Gold Star: Potassium Perchlorate, Charcoal, Magnalium, Resinox, Polyvinyl chloride, Cryolite.

Light Blue Star: Potassium Perchlorate, Charcoal, Magnalium, Resinox, Polyvinyl chloride, Copper Oxide.

Sea Blue Star: Potassium Perchlorate, Barium Nitrate, Magnalium, Resinox, Copper Oxide, Chlorinated Rubber.

Lemon Star: Potassium Perchlorate, Barium Nitrate, Charcoal, Magnalium, Resinox, Polyvinyl chloride, Cryolite.

Pink Star: Potassium Perchlorate, Magnalium, Resinox, Strontium Carbonate, Sulfur, Polyvinyl chloride, Copper Oxide, Shellac.

Orange Star: Potassium Perchlorate, Strontium Carbonate, Magnalium, Resinox, Polyvinyl Chloride, Shellac, Cryolite.

Aqua Star: Potassium Perchlorate, Barium Nitrate, Magnalium, Resinox, Copper Oxide, Chlorinated Rubber.

Chrysanthemum: Potassium Perchlorate, Potassium Nitrate, Sulfur, Charcoal, Flour.

Crossette: Potassium Perchlorate, Sulfur, Magnalium, Charcoal, Potassium Nitrate.

Salute: Potassium Perchlorate, Sulfur, Magnalium, Titanium.

Wave: Potassium Perchlorate, Sulfur, Magnalium, Charcoal, Cryolite.

Silver Crown: Potassium Perchlorate, Magnalium, Aluminum, Resinox.

Brocade crown: Potassium Nitrate, Sulfur, Charcoal, Dextrine, Titanium.

Crackling: Magnalium, Flour, Copper Oxide, Bismuth Oxide.

Time Rain: Magnalium, Flour, Copper Oxide, Bismuth Oxide, Titanium.

Red Gamboge: Potassium Perchlorate, Potassium Nitrate, Sulfur, Charcoal.

Diadem Chrys.: Potassium Nitrate, Sulfur, Charcoal.

Red Gamboge Crown: Potassium Perchlorate, Sulfur, Charcoal, Flour.

Gold Willow: Potassium Perchlorate, Sulfur, Charcoal.

Coconut Tree: Potassium Nitrate, Sulfur, Charcoal, Magnalium, Titanium.

Strobe: Potassium Perchlorate, Potassium Nitrate, Barium Nitrate, Sulfur, Charcoal, Magnalium, Flour, Copper Oxide.

Gold Kamuro: Potassium Nitrate, Sulfur, Charcoal, Magnalium, Resinox.

Fish: Potassium Perchlorate, Barium Nitrate, Magnalium, Resinox, Cryolite.

Bee: Potassium Perchlorate, Magnalium, Resinox, Aluminum.

Falling Leaves: Potassium Nitrate, Sulfur, Aluminum, Magnalium, Resinox.

Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (Air=1): N/A

Solubility in Water: Slight

Appearance and Odor: All pyrotechnic composition is contained within hard cardboard or paper casings that may be shaped as cylinders, balls or tubes.

Specific Gravity (H2O=1): N/A

Melting Point: N/A

Evaporation Rate (Butyl Acetate=1): N/A

Section IV-First Aid Measures

Call emergency medical care. Use first aid treatment according to the nature of the injury.

Section V-Fire-Fighting Measures

In case of fire, evacuate area. Do NOT fight fire when fire reaches explosives. Explosion risk in case of fire.

Truck fire (other than cargo area): Flood with water. Tire fires may re-start. If possible, unhook and separate tractor from trailer. Remove vehicle that is not involved in fire from fire area if you can do so without risk. If cargo area is exposed to heat and flames, direct water spray on outside of container to cool it down. Continue to spray until well after the fire is out.

Cargo fire **Do not** move cargo or vehicle if cargo has been exposed to heat. Withdraw from area if and when the fire reaches cargo and let fire burn. Use firefighting team to prevent spread of fire to adjacent structures and materials. Promptly isolate the scene by removing all persons from the vicinity of the incident. First, move people out of line-of-sight of the scene and away from windows. Obtain more information from appropriate authorities listed on the shipping papers.

Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide some limited protection. Firefighters should retreat if fire approaches cargo area, and use unmanned hose holder to direct water spray on fire.

For additional information, call the shipper using the emergency telephone number listed on the shipping papers; if there is no answer; call American Pyrotechnics Association's 24-hour number (800-255-3924).

Section VI-Accidental Release Measures

Cargo Spill: ELIMINATE all ignition sources. There shall be no flares, smoking, and tools capable of producing sparks, or flames in the vicinity of the spilled material. Cautiously pick up the spilled devices and place them in cardboard cartons. Do not touch or walk through spilled material.

Waste Disposal Method: Soak any exposed chemical composition with water; sweep up with natural fiber brush and dispose of by burning in compliance with local, state, and federal regulations.

Section VII-Handling and Storage

Keep fireworks cool, dry, and well ventilated area. Avoid impact with shipping cartons. Fireworks must be stored and transported in accordance with local, state, and federal regulations. Protect against physical damage and moisture. Fireworks should be isolated from all heat sources, sparks, and open flames. No smoking.

Other Precautions: Fireworks 1.3G UN0335 can cause serious injury or death. They should only be handled by properly trained and qualified personnel. When shooting these fireworks, personnel should wear proper eye protection, head protection and non-synthetic clothing.

Section VIII-Exposure Controls/Personal Protection

Respiratory Protection (Specify Type): None when handling finished item.

Ventilation: N/A

Local Exhaust: N/A

Mechanical (General): N/A

Special: N/A

Other: N/A

Protective Gloves: None required

Eye Protection: When shooting Fireworks 1.3G

Other Protective Clothing and Equipment: Protective head gear and non-synthetic clothing when shooting fireworks 1.3G

Section IX-Physical and Chemical Properties

Boiling Point: N/A

Specific Gravity (H₂O=1): N/A

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (Air=1): N/A

Evaporation Rate (Butyl Acetate=1): N/A

Solubility in Water: Slight

Appearance and Odor: All pyrotechnic composition is contained within hard cardboard or paper casings that may be shaped as cylinders, balls or tubes.

Flash Point: N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Do not attempt to fight fire in the vicinity of display fireworks – evacuate area. Materials are self-oxidizing.

Special Fire Fighting Procedures: Evacuate fire area immediately and seek shelter. Follow established emergency action plan.

Unusual Fire and Explosion Hazards: Display fireworks may mass explode in a fire situation.

Section X-Stability and Reactivity

Stability: Stable

Conditions To Avoid: Storage at temperatures above 120° F. Open flames, smoking, moisture, friction or impact in the vicinity of stored fireworks.

Incompatibility (Materials to Avoid): Do not allow fireworks to get wet.

Hazardous Decomposition or Byproducts: Smoke generated during use of devices may contain small amounts of carbon

monoxide, hydrogen sulfide, and nitrogen oxides. Avoid prolonged inhalation.

Hazardous Polymerization: Will not occur

Section XI-Toxicological Information

Route(s) of Entry: Inhalation? N/A Skin? N/A Ingestion? N/A

Health Hazards (Acute and Chronic): Exposure to finished items does not pose any health hazard. However, ground level smoke generated during shooting of public displays may contain gasses which may cause irritation of eyes or mucous membrane. Prolonged inhalation of smoke should be avoided.

Carcinogenicity: No

NTP? No

ARC Monographs? No

OSHA Regulated? No

Signs and Symptoms of Exposure: Prolonged exposure to smoke generated during shooting of shells may cause shortness of breath and irritation of eyes and mucous membranes.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing respiratory conditions (i.e. asthma, emphysema, etc.) should avoid inhalation of smoke.



VELVET SHIELD

CARBONIZED FIBER WELDING PROTECTION

Welding Blanket

Lightweight, soft and flexible Welding Blanket material, providing incredible ease of use, while withstanding high heat.*

- Velvet Shield® welding blankets are made with a carbonized fiber fabric that was developed from NASA technologies and is fire and heat resistant.
- Versatile blankets are soft and lightweight, providing incredible ease-of-use.
- Provides protection from sparks and spatter.
- Easy to clean; just shake, vacuum or blow metal particles out.
- Available in several stock Blanket sizes, 18"x18" Pad, and 50-yard rolls.

Operating Temperature

1800° F

Also available:
18" x 18"
Velvet Shield
Pad



The softest
and toughest
welding
protection ever
— up to
1800°F

Material

Size

316

6' x 8'

Part No.:

316-6X8 (31686)

Approved Welding Pad



Steiner Industries 5801 North Tripp Avenue Chicago, IL 60646-6013

Phone: (800) 621-4515 Fax: (773) 588-3450

info@steinerindustries.com www.steinerindustries.com

* NOTE: See back for instructions and warnings.

VELVET SHIELD® PRODUCTS

INSTRUCTIONS FOR USE:

- 1) Velvet Shield® products are designed to be used only for welding, brazing and soldering. The material is not intended for use in high soaking temperatures (i.e. ovens or confined spaces where temperatures exceed 200°F) OR severe use conditions where excessive molten metal slag or heavy grinding operations would cause the blanket or pad to exceed their maximum use temperature.
- 2) Carefully check to be sure that the areas to be protected are completely covered and sparks cannot get under the blanket or pad.
- 3) Check the blanket or pad for holes or tears that would allow sparks to reach the area being protected.
- 4) Avoid contact with flammable liquids that would ignite if exposed to sparks, spatter or heat.
- 5) Do not clean with water or other liquids.
- 6) Velvet Shield® products must be positioned at least one foot away from the welding torch.
- 7) Not recommended for grinding applications as metal shavings and particles are easily embedded within the Velvet Shield® material.

WARNING:

VELVET SHIELD® BLANKETS, PADS AND/OR ROLLS SHOULD BE USED AS WELDING BLANKETS, PADS OR ROLLS ONLY. THEY ARE NOT INTENDED FOR USE IN STRESS RELIEF, HEAT TREATING, AS AN INSULATOR, OR ANY OTHER APPLICATION, OTHER THAN WELDING APPLICATIONS.

VELVET SHIELD® PRODUCTS SHOULD NOT BE EXPOSED TO TEMPERATURES EXCEEDING 200°F FOR EXTENDED PERIODS. THE VELVET SHIELD® PRODUCT SHOULD NOT BE DIRECTLY EXPOSED TO, OR IN DIRECT CONTACT WITH, THE PRIMARY HEAT SOURCE.

DO NOT USE A VELVET SHIELD® PRODUCT WHEN WET. IT WILL CONDUCT HEAT AND ELECTRICITY.

USE CAUTION TO PREVENT VELVET SHIELD® PRODUCTS FROM COMING INTO ACCIDENTAL CONTACT WITH FLAMMABLE LIQUIDS THAT WOULD IGNITE IF EXPOSED TO SPARKS.

OXY-FUEL OR THE PLASMA CUTTING PROCESS FLAME, PILOT ARC AND CUTTING STREAM GENERATE TEMPERATURES ABOVE 3000°F, WELL ABOVE THE MAXIMUM RATING OF THE VELVET SHIELD MATERIAL.

Use of this product in a manner not consistent with the operating instructions may cause product failure. Highly localized concentrations of molten metal, grinding particles or debris may cause product failure and may support combustion.

* Maximum allowable service temperature is 1800°F, and 3000°F for short duration.

DISCLAIMER:

THIS PRODUCT IS WARRANTED TO BE FREE FROM DEFECTS IN MANUFACTURING ONLY. BECAUSE APPLICATIONS VARY, THE USER MUST DETERMINE PRODUCT SUITABILITY FOR A SPECIFIC APPLICATION AND THE USER ASSUMES ALL RISKS IN CONNECTION THEREWITH. A CAREFUL ANALYSIS SHOULD BE MADE BEFORE SELECTING PROTECTIVE EQUIPMENT FOR EACH PARTICULAR APPLICATION. AS A RESULT OF ONGOING RAW MATERIAL SPECIFICATION CHANGES, RECOMMENDED APPLICATIONS, TEMPERATURES AND OTHER STATED SPECIFICATIONS ARE PRESENTED AS GENERAL GUIDELINES ONLY AND ARE PROVIDED WITHOUT ANY GUARANTEE OR RESPONSIBILITY ON THE PART OF STEINER INDUSTRIES. STEINER INDUSTRIES RESERVES THE RIGHT TO CHANGE RECOMMENDATIONS AND SPECIFICATIONS AS FURTHER KNOWLEDGE IS GAINED. WHILE STEINER INDUSTRIES BELIEVE ALL OF THE INFORMATION TO BE CORRECT, IT IS NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS.

If you have any questions, contact Steiner Industries, Inc. at (800) 621-4515 for Velvet Shield® Material Safety Data Sheets or visit our website at www.steinerindustries.com.

Steiner Industries 5801 North Tripp Avenue Chicago, IL 60646-6013

Phone (800) 621-4515

info@steinerindustries.com

Fax (773) 588-3450

www.steinerindustries.com

Approved Welding Pad





Fireworks Display Checklist (Operator)

Display Pre-Set Up	1. County permit has been approved and issued.	☐
	2. Confirm actual measurements of the display site match measurements submitted on the county permit application and distances are appropriate for the sizes of devices being used.	☐
	3. Confirm there are no additional hazards located in or near the display site.	☐
	4. The location of the spectator area meets the required distances.	☐
	5. Ensure all smoking materials, matches, lighters, or open flames are prohibited within 50 feet of fireworks.	☐
	6. All North Carolina Office of State Fire Marshal issued permits are visible.	☐
	7. All assistants are permitted or on-site certified.	☐
Display Set Up	8. All fireworks, launch equipment, and pyrotechnic materials are protected from inclement weather and kept dry at all times.	☐
	9. Ensure only authorized personnel are allowed at the discharge site during set up.	☐
	10. No personnel at the discharge site are under the influence of alcohol, narcotics, or medication that could adversely affect judgment, mobility, or stability.	☐
	11. Verify all personnel are aware of and follow safe handling practices and loading procedures for all pyrotechnic devices.	☐
	12. Verify no sources of ignition are present in the discharge site. Hazards for electrically fired displays may include exposed battery terminals, cell phones, or other electronic or rechargeable devices. Wireless remotely fired displays may be sensitive to other radio frequency (RF) generating devices such as cell phones or two-way radios.	☐
	13. All mortars and racks are made of approved materials, and are of sufficient strength, length, and durability to allow shells to be propelled to safe deflagration heights.	☐
	14. All shells properly fit mortars and all larger shells are pre-loaded as required.	☐
	15. All mortars, mortar racks, bundles, pre-loaded box items, cakes, candles, and ground displays are thoroughly inspected and deemed inherently stable.	☐



Fireworks Display Checklist - continued (Operator)

Display Firing	16. No personnel at the discharge site are under the influence of alcohol, narcotics, or medication that could adversely affect judgment, mobility, or stability.	☐
	17. Verify all personnel understand their assigned duties and responsibilities during the display.	☐
	18. Ensure only necessary personnel are located within the discharge area while the display is in progress.	☐
	19. Only flashlights or other non-incendive lighting devices are used in firing and ready box areas.	☐
	20. Personnel in the discharge area are wearing long-sleeved and long-legged clothing made of cotton, wool or similar flame resistant cloth.	☐
	21. Personnel in the discharge area are using all required personal protective equipment including head, eye, hearing, and foot protection.	☐
	22. Fire service and EMS are present and in appropriate locations.	☐
Post-Display	23. Verify access to the display site is restricted and that no unauthorized persons or vehicles are located within the display site.	☐
	24. Verify sources of ignition are terminated such as fusees or portfires are extinguished or electrical firing panels are disconnected.	☐
	25. Confirm display site access remains restricted while being inspected for unfired or malfunctioned pyrotechnic devices.	☐
	26. All discharge areas are treated as if unfired or malfunctioned pyrotechnic devices are present.	☐
	27. After adequate time has elapsed all mortars, box items, cakes, candles, and ground display pieces are cautiously inspected for any unfired pyrotechnic devices.	☐
	28. Any unfired or malfunctioned pyrotechnic devices are properly handled and/or properly packaged for return to the supplier.	☐

SAFETY REGULATIONS PART 397

General

§397.2 Compliance with Federal motor carrier safety regulations.

A motor carrier or other person to whom this part is applicable must comply with the rules in Part 390 through 397, inclusive, of this subchapter when he/she is transporting hazardous materials by a motor vehicle which must be marked or placarded in accordance with §177.823 of this title.

[37 FR 18080, Sept. 7, 1972]

§397.3 State and local laws, ordinances and regulations.

Every motor vehicle containing hazardous materials must be driven and parked in compliance with the laws, ordinances, and regulations of the jurisdiction in which it is being operated, unless they are at variance with specific regulations of the Department of Transportation which are applicable to the operation of that vehicle and which impose a more stringent obligation or restraint.

§397.5 Attendance and surveillance of motor vehicles.

(a) Except as provided in paragraph (b) of this section, a motor vehicle which contains a Division 1.1, 1.2, or 1.3 (explosive) material must be attended at all times by its driver or a qualified representative of the motor carrier that operates it.

(b) The rules in paragraph (a) of this section do not apply to a motor vehicle which contains Division 1.1, 1.2, or 1.3 material if all the following conditions exist—

(b)(1) The vehicle is located on the property of a motor carrier, on the property of a shipper or consignee of the explosives, in a safe haven, or, in the case of a vehicle containing 50 pounds or less of a Division 1.1, 1.2, or 1.3 material, on a construction or survey site; and

(b)(2) The lawful bailee of the explosives is aware of the nature of the explosives the vehicle contains and has been instructed in the procedures which must be followed in emergencies; and

(b)(3) The vehicle is within the bailee's unobstructed field of view or is located in a safe haven.

(c) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3, materials, and which is located on a public street or highway, or the shoulder of a public highway, must be attended by its driver. However, the vehicle need not be attended while its driver is performing duties which are incident and necessary to the driver's duties as the operator of the vehicle.

(d) For purposes of this section—

(d)(1) A motor vehicle is attended when the person in charge of the vehicle is on the vehicle, awake, and not in a sleeper berth, or is within 100 feet of the vehicle and has it within his/her unobstructed field of view.

(d)(2) A qualified representative of a motor carrier is a person who—

(d)(2)(i) Has been designated by the carrier to attend the vehicle;

(d)(2)(ii) Is aware of the nature of the hazardous materials contained in the vehicle he/she attends;

(d)(2)(iii) Has been instructed in the procedures he/she must follow in emergencies; and

(d)(2)(iv) Is authorized to move the vehicle and has the means and ability to do so.

(d)(3) A safe haven in an area specifically approved in writing by local, State, or Federal governmental authorities for the parking of unattended vehicles containing Division 1.1, 1.2, or 1.3 materials.

(e) The rules in this section do not relieve the driver from any obligation imposed by law relating to the placing of warning devices when a motor vehicle is stopped on a public street or highway.

[59 FR 63925, Dec. 12, 1994]

§397.7 Parking.

(a) A motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must not be parked under any of the following circumstances—

(a)(1) On or within 5 feet of the traveled portion of a public street or highway;

(a)(2) On private property (including premises of a fueling or eating facility) without the knowledge and consent of the person who is in charge of the property and who is aware of the nature of the hazardous materials the vehicle contains; or

(a)(3) Within 300 feet of a bridge, tunnel, dwelling, or place where people work, congregate, or assemble, except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

(b) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3 materials must not be parked on or within five feet of the traveled portion of public street or highway except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

397.11 Fires.

- (a) A motor vehicle containing hazardous materials must not be operated near an open fire unless its driver has first taken precautions to ascertain that the vehicle can safely pass the fire without stopping.
- (b) A motor vehicle containing hazardous materials must not be parked within 300 feet of an open fire.

§397.13 Smoking.

No person may smoke or carry a lighted cigarette, cigar, or pipe on or within 25 feet of—

- (a) A motor vehicle which contains Class 1 materials, Class 5 materials, or flammable materials classified as Division 2.1, Class 3, Divisions 4.1 and 4.2; or
- (b) An empty tank motor vehicle which has been used to transport Class 3, flammable materials or Division 2.1 flammable gases, which, when so used, was required to be marked or placarded in accordance with the rules in §177.823 of this title.

[59 FR 63925, Dec. 12, 1994]

§397.15 Fueling.

When a motor vehicle which contains hazardous materials is being fueled—

- (a) Its engine must not be operating; and
- (b) A person must be in control of the fueling process at the point where the fuel tank is filled.

§397.17 Tires.

- (a) A driver must examine each tire on a motor vehicle at the beginning of each trip and each time the vehicle is parked.
- (b) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be flat, leaking, or improperly inflated, the driver must cause the tire to be repaired, replaced, or properly inflated before the vehicle is driven. However, the vehicle may be driven to the nearest safe place to perform the required repair, replacement, or inflation.
- (c) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be overheated, the driver shall immediately cause the overheated tire to be removed and placed at a safe distance from the vehicle. The driver shall not operate the vehicle until the cause of the overheating is corrected.
- (d) Compliance with the rules in this section does not relieve a driver from the duty to comply with the rules in §§397.5 and 397.7.

[67 FR 62192, Oct. 4, 2002]

§397.19 Instructions and documents.

- (a) A motor carrier that transports Division 1.1, 1.2, or 1.3 (explosive) materials must furnish the driver of each motor vehicle in which the explosives are transported with the following documents:
 - (a)(1) A copy of the rules in this part;
 - (a)(2) [Reserved]
 - (a)(3) A document containing instructions on procedures to be followed in the event of accident or delay. The documents must include the names and telephone numbers of persons (including representatives of carriers or shippers) to be contracted, the nature of the explosives being transported, and the precautions to be taken in emergencies such as fires, accidents, or leakages.
- (b) A driver who receives documents in accordance with paragraph (a) of this section must sign a receipt for them. The motor carrier shall maintain the receipt for a period of one year from the date of signature.
- (c) A driver of a motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must be in possession of, be familiar with, and be in compliance with
 - (c)(1) The documents specified in paragraph (a) of this section;
 - (c)(2) The documents specified in §177.817 of this title; and
 - (c)(3) The written route plan specified in §397.67.

[59 FR 63925, Dec. 12, 1994; 63 FR 33280, June 18, 1998]

Emergency Response
Explosives- Division 1.1, 1.2, 1.3, 1.5, or: Class A & B
UN0335, Fireworks, 1.3G, PG II
UN0333, Fireworks, 1.1G, PGII

CARGO Fires

- DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!
- Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn
- Do not move cargo or vehicle if cargo has been exposed to heat

Tire or Vehicle Fires

- Use plenty of water -FLOOD it! If water is not available, use CO2, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready

SPILL or LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded
- Do not touch or walk through spilled material.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet OF ELECTRIC DETONATORS.
- DO NOT CLEAN UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

FIRST AID

- Move victim to fresh air, Call emergency medical care.
- Apply artificial respiration if victim is not breathing
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least for 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

FIRE OR EXPLOSION

- MAY EXPLODE AND THROW FRAGMENTS 1600 meters (1 MILE) OR MORE IF FIRE REACHES CARGO.
- For information on "Compatibility Group" letters, refer to Glossary section in Emergency Response Guidebook.

HEALTH

- Fire may produce irritating, corrosive and / or toxic gases.

PUBLIC SAFETY

- CALL Emergency Response Telephone Number on Shipping Paper first.
- CALL CHEM-TEL'S 24- HOUR NUMBER (800) 255-3924
- Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away.
- Stay upwind.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters protective clothing will only provide limited protection.

EVACUATION

LARGE SPILL

- Consider initial evacuation for 800 meters (1/2 mile) in all directions.

Fire

- If rail car or trailer is involved in a fire and heavily encased explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600M (1 mile in all directions; also initiate evacuation including emergency responders for 1600M (1 mile) in all directions.
- When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/06/2017

Revision: 01/06/2017

1 Identification**Product Identifier**

Fireworks, Division 1.3 Explosive

Trade name:

Fireworks, Display

Product code:

Fireworks, 1.3G UN0335

Recommended use and restriction on use**Recommended use:** Explosive product for professional use for entertainment and technical purposes**Restrictions on use:** Contact manufacturer/supplier**Details of the supplier of the Safety Data Sheet****Manufacturer/Supplier:**

East Coast Pyrotechnics
4652 Catawba River Road
Catawba, SC 29704
803-789-5733

Emergency telephone number:

ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazard(s) Identification**Classification of the substance or mixture**

Expl. 1.3 H203 Explosive; fire, blast or projection hazard.

Label elements**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:

GHS01

Signal word: Danger**Hazard statements:**

H203 Explosive; fire, blast or projection hazard.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P250 Do not subject to grinding/shock/friction.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P373 DO NOT fight fire when fire reaches explosives.

P370+P380 In case of fire: Evacuate area.

P372 Explosion risk in case of fire.

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P401 Store in accordance with local/regional/national/international regulations.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

· **Explosive Product Notice**

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, DO NOT USE IT before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he should consult the manufacturer before use.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

Components for product possessing only physical hazards do not require reporting. These components are considered proprietary.

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with soap and water.

In case of minor burns, flush with cool water.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

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- **Most important symptoms and effects, both acute and delayed:**
 Blast injury if mishandled.
 Thermal burns, if mishandled.
- **Danger:** Danger of blast or crush-type injuries.
- **Indication of any immediate medical attention and special treatment needed:**
 Product may produce physical injury if mishandled. Treatment of these injuries should be based on the clinical presentation.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 DO NOT fight fire when fire reaches explosives.
 Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
 Explosive; fire, blast or projection hazard.
 During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**
 Wear self-contained respiratory protective device.
 Wear fully protective suit.
- **Additional information:**
 Eliminate all ignition sources if safe to do so.
 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
 Cool endangered receptacles with water spray.
 Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Mass explosion of multiple devices is possible under certain conditions. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2012 Emergency response Guidebook for further information.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 Wear protective equipment. Keep unprotected persons away.
 Remove persons from danger area.
 Ensure adequate ventilation.
 Isolate area and prevent access.
- **Environmental precautions**
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
 Pick up mechanically.

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Send for recovery or disposal in suitable receptacles.

• **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

• **Handling**

• **Precautions for safe handling:**

Handle with care. Avoid jolting, friction and impact.

Restrict the quantity stored at the work place.

Keep out of reach of children.

• **Information about protection against explosions and fires:**

In case of fire: Evacuate area.

Explosion risk in case of fire.

Keep away from sparks and open flames. - No smoking.

Emergency cooling must be available in case of nearby fire.

• **Conditions for safe storage, including any incompatibilities**

• **Storage**

• **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

• **Information about storage in one common storage facility:**

Store in accordance with local/regional/national/international regulations.

Store away from foodstuffs.

Store away from flammable substances.

• **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store locked up.

• **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

• **Control parameters**

• **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• **Exposure controls**

• **Personal protective equipment:**

• **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

• **Engineering controls:** Provide adequate ventilation.

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- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** When needed, wear gloves for protection against mechanical hazards.
- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** When needed, wear protective clothing for protection against mechanical hazards.
- **Limitation and supervision of exposure into the environment**
No relevant information available.
- **Risk management measures**
Organizational measures should be in place for all activities involving this product.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Outer shell containing powder, granular, or solid materials.

Color: According to product specification

· Odor: Odorless

· Odor threshold: Not determined.

· pH-value: Not applicable.

· Melting point/Melting range: Not determined.

· Boiling point/Boiling range: Not determined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Fire or projection hazard.

· Auto-ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Danger of explosion: Heating may cause an explosion.

· Explosion limits

Lower: Not determined.

Upper: Not determined.

· Vapor pressure: Not applicable.

· Density: Not determined.

· Relative density: Not determined.

· Vapor density: Not applicable.

· Evaporation rate: Not applicable.

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- | | |
|---|------------------------------------|
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Other information | No relevant information available. |

10. Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** Risk of explosion if heated under confinement.
- **Possibility of hazardous reactions**
 - Explosive; fire, blast or projection hazard.
 - Toxic fumes may be released if heated above the decomposition point.
 - Reacts with strong acids and alkali.
- **Conditions to avoid**
 - Excessive heat.
 - Sources of ignition: sparks, open flame, incompatible materials
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides
 - Sulfur oxides (SOx)

11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**
 - Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.
- **On the eye:**
 - Not an eye irritant in unused form. Vapors/particles from used product are possibly irritating to eyes.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer):
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None of the ingredients are listed.

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· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Skin contact.

Eye contact.

Inhalation.

· **Acute effects (acute toxicity, irritation and corrosivity):**

Danger of blast or crush-type injuries.

Risk of thermal burns.

· **Repeated dose toxicity:** From product as supplied: None.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity** No relevant information available.

· **Persistence and degradability** No relevant information available.

· **Bioaccumulative potential:** May be accumulated in organism

· **Mobility in soil:** No relevant information available.

· **Other adverse effects** No relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Incinerate in accordance with local, state and federal regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	UN0335
· DOT, ADR, IMDG	FORBIDDEN
· IATA	

· UN proper shipping name	Fireworks
· DOT, ADR, IMDG	FORBIDDEN
· IATA	

· **Transport hazard class(es)**

· DOT



· Class	1.3
· Label	1.3G

· ADR



· Class	1.3
· Label	1.3G

· IMDG



· Class	1.1
· Label	1.3G

· IATA	
· Class	FORBIDDEN

· **Packing group**

· DOT	II
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· **Environmental hazards**

· Marine pollutant:	No
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· Special precautions for user	Not applicable.
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· **EMS Number:** F-S,B-X

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **United States (USA)**

· **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 304 (emergency release notification):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

Contact manufacturer.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Contact manufacturer.

· **Chemicals known to cause reproductive toxicity for females:**

Contact manufacturer.

· **Chemicals known to cause reproductive toxicity for males:**

Contact manufacturer.

· **Chemicals known to cause developmental toxicity:**

Contact manufacturer.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

Contact manufacturer.

(Cont'd. on page 10)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: 01/06/2017

Revision: 01/06/2017

Trade name: Fireworks, Display

(Cont'd. of page 9)

NIOSH-Ca (National Institute for Occupational Safety and Health):

Contact manufacturer.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Date of preparation / last revision 01/06/2017 / -

• **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

LDLo: Lowest Lethal Dose Observed

Expl. 1.3: Explosives – Division 1.3

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com

- **EMERGENCY RESPONSE**
- **UN0336, FIREWORKS, 1.4G, PGII**
- **UN0431, ARTICLES PYROTECHNICS, 1.4G, PGII**
- **UN0432, ARTICLES PYROTECHNICS, 1.4S, PGII**
- **UN0325 IGNITERS, 1.4G, PGII, UN0454, IGNITERS, 1.4S, PGII**
- **POTENTIAL HAZARDS**
- **Fire or explosion**
 - May explode and throw fragments 500 meters (1/3 mile) or more if fire reaches cargo.
- **Health**
 - Fire may produce irritating, corrosive and/or toxic gases
- **PUBLIC SAFETY**
- **Call Emergency Response Telephone Number on Shipping Paper. Chem-Tel (800) 255-3924**
- **Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions.**
- **Ventilate closed spaces before entering.**
- **PROTECTIVE CLOTHING**
- **Wear positive pressure self-contained breathing apparatus (SCBA)**
- **Structural firefighters' protective clothing will only provide limited protection.**
- **EVACUATION**
- **Large Spill**
 - **Consider initial evacuation for 250 meters (800 feet) in all directions.**
- **Fire**
 - **If rail car or trailer is involved in a fire, ISOLATE for 500 meters (1/3 mile) in all directions; also initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions.**
- **EMERGENCY RESPONSE**
- **Fire**
- **Cargo Fires**
 - **Do not fight fire when fire reaches cargo! Cargo may explode**
 - **Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn.**
 - **Do not move cargo or vehicle if cargo has been exposed to heat.**
- **TIRE or VEHICLE Fires**
 - **Use plenty of water-FLOOD it! If water is not available, use CO₂, dry chemical or dirt.**
 - **If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.**
 - **Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.**
- **Spill or Leak**
 - **Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).**
 - **All equipment used when handling the product must be grounded.**
 - **DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS (330 FEET) OF ELECTRIC DOTONATORS.**
 - **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**
- **First Aid**
 - **Move victim to fresh air. Call 911 or emergency medical service.**
 - **Apply artificial respiration if victim is not breathing.**
 - **Administer oxygen if breathing is difficult.**
 - **Remove and isolate contaminated clothing and shoes.**
 - **In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.**
 - **Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.**

Product J-Tek
 Revision Date 02/11/2016
 Revision 1



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name	J-Tek
Identifier Uses	No specific uses identified.
Supplier	MJE Technologies Inc PyroSmart Mexico, S.A. de C.V. Parcela 34 Z 1 1/2, Nuevo Mundo Ejido de Ojacallente, Zacatecas, Mexico 98705, Mexico Tel: 856-228-6118
Contact Person	info@electricmatch.com
Emergency Telephone	1-352-323-3500 Contract # 100588

SECTION 2: HAZARDS IDENTIFICATION

Appearance	Solid, Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.
Color	Medium brown colored.
Odor	No odour information available.

Pictogram(s)



Signal Word	Danger
Hazard Statements	H204 Fire or projection hazard. H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed.

Precautionary Statements	P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. P221 Take any precaution to avoid mixing with combustibles/[*] P280 Wear protective gloves/ protective clothing/eye protection/face protection. P374 Fight fire with normal precautions from a reasonable distance. P370 + P380 In case of fire: Evacuate area.
---------------------------------	--

Contains	potassium perchlorate
-----------------	-----------------------

GHS Classification	
Physical and Chemical Hazards	Ox Sol 1 - H271, Expl. 1.4 - H204
Human Health	Acute Tox 4 - H302,
Environment	Not classified

OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
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Inhalation	Inhalation of large amounts of igniter heads may cause respiratory discomfort.
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Ingestion	Harmful if swallowed.
Skin contact	Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.
Eye contact	Thermal burns to the eyes caused by accidental ignition of igniters.
Routes of Exposure	No Information available.
Other Hazards	Not applicable.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	GHS Classification	%
potassium perchlorate	CAS-No.: 7778-74-7 EC No.: 231-912-9	Ox Sol 1 - H271, Acute Tox 4 - H302	30-60%

Composition Comments This product contains proprietary information.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Information

CAUTION! First aid personnel must be aware of own risk during rescue! Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Burns must be treated by doctors. Place unconscious person on the side in the recovery position and ensure breathing can take place. If heart stops, heart-compression must be carried out. In case of accidents: Call an ambulance immediately! Show the MSDS.

Inhalation

If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

Ingestion

Get medical attention immediately. Do NOT induce vomiting. If victim is conscious and alert, wash out mouth with water then give water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear.

Skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning. Consult a doctor.

Eye contact

Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Continue to rinse for at least 15 minutes.

Most important symptoms and effects, both acute and delayed

General Information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation

Inhalation of large amounts of igniter heads may cause respiratory discomfort.

Ingestion

Harmful if swallowed.

Skin contact

Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.

Eye contact

Thermal burns to the eyes caused by accidental ignition of igniters.

Routes of Exposure

No Information available.

Most important symptoms and effects, both acute and delayed

Notes To The Physician

Treat Symptomatically.

SECTION 5: Firefighting Measures

Auto Ignition Temperature (°C)

No information available.

Flammability Limit - Lower(%)

No information available.

Flammability Limit - Upper(%)

No information available.

Flash point

No information available.

Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials.

Hazardous combustion products

Smoke contains Boron and Titanium.

Unusual Fire & Explosion Hazards

Burning igniters will project sparks several feet and can cause secondary fires. Igniters may rupture a container if ignited under confinement. Igniters may be ignited by extreme impact, friction or electrostatic discharge.

Special Fire Fighting Procedures

If possible, fight fire from protected position. Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water. Use water spray to cool container and prevent

Protective equipment for fire-fighters

rupture.

Fire fighters should wear full protective equipment, including a self-contained breathing apparatus. Water should be used to cool surrounding containers.

SECTION 6: Accidental Release Measures**Personal Precautions**

Use proper personal protection (refer to Section 8).

Environmental Precautions

Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.

Spill Clean Up Methods

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage**Handling**

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges when there is a risk of dust explosion.

Usage Description

Use only according to directions.

Storage Precautions

Store igniters in accordance with local, state and federal regulations. Keep dry and avoid temperatures above 120 degree F. Store in closed container away from incompatible materials, sunlight and heat to prolong shelf life. Minimize exposure in accordance with good hygiene practices. Keep out of reach of children. Keep away from food and drink. Containers opened must be resealed and kept upright. Do not store in unlabelled containers.

Specific End Use(s)

Igniter.

SECTION 8: Exposure Controls/Personal Protection**Protective Equipment****Ingredient Comments**

No occupational exposure limits noted for the ingredients(s).

Process Conditions

Ensure that eye flushing systems and safety showers are located close to the working place. Provide adequate ventilation.

Engineering Measures

If ventilation is inadequate use a suitable respirator.

Respiratory Equipment**Hand Protection**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Due to risk of fire, leather footwear and cotton clothing should never be used. Long sleeved shirt, trousers, rubber boots, rubber gloves, and rubber apron.

Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene Measures

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and Chemical Properties**Information on Basic Physical and Chemical Properties****Appearance**

Solid. Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.

Color

Medium brown colored.

Odor	No odour information available.
Odor Threshold - Lower	No information available.
Odor Threshold - Upper	
pH-Value, Conc. Solution	No information available.
pH-Value, Diluted Solution	No information available.
Melting point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability State	No information available.
Flammability Limit - Lower(%)	No information available.
Flammability Limit - Upper(%)	No information available.
Vapor pressure	No information available.
Vapor Density (air=1)	No information available.
Relative density	No information available.
Bulk Density	No information available.
Solubility	No information available.
Decomposition temperature	No information available.
Partition coefficient; n-octanol/water	No information available.
Auto Ignition Temperature (°C)	No information available.
Viscosity	No information available.
Explosive Properties	Bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths.
Oxidizing Properties	No information available.
Molecular Weight	No information available.
Volatile Organic Compound	No information available.

SECTION 10: Stability and Reactivity

Reactivity	Reaction with heat, acids and reducing agents.
Stability	Stable under normal temperature conditions and recommended use.
Hazardous Polymerisation	Will not polymerise.
Hazardous Decomposition Products	Smoke contains oxides of Boron and Titanium.
Conditions to Avoid	Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
Materials to Avoid	Keep away from strong acids. Keep away from strong reducing agents and strong oxidising agents.

SECTION 11: Toxicological Information

Toxicological Information	No toxicological information for the overall finished product.
Acute Toxicity (Oral LD50)	No Information available.
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitisation	No Information available.
Skin Sensitisation	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	The product and its components are not listed.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

SECTION 12: Ecological Information

Ecotoxicity	The product does pose an environmental hazard.
Acute Toxicity - Fish	No Information available.
Acute Toxicity - Aquatic Invertebrates	No Information available.
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	There are no data on the degradability of this product.
Bioaccumulative Potential	No data available on bioaccumulation.
Mobility	No information available.
Results of PBT and vPvB Assessment	No information available.
Other Adverse Effects	No information available.

SECTION 13: Disposal Considerations

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Waste disposal must be in accordance with appropriate federal, state, and local regulations.

SECTION 14: Transport Information**UN Number**

UN No. (DOT/TDG)	UN454
UN No. (IMDG)	UN454
UN No. (IATA)	UN0454

Proper Shipping Name

DOT/TDG Proper Shipping Name	IGNITERS
IMDG Proper Shipping Name	IGNITERS

IATA Proper Shipping Name	Igniters
---------------------------	----------

Transport Hazard Class(es)

DOT/TDG Class	1.4
IMDG Class	1.4 S
IATA Class	1.4S

Transport Labels

**Packing Group(s)**

DOT Packing Group	<none>
IMDG Packing Group	-
IATA Packing Group	<none>

Special Precautions for User

EMS	F-B, S-X
-----	----------

Environmentally Hazardous Substance/Marine Pollutant

ADR	No
IMDG	No
IATA	No

SECTION 15: Regulatory Information**US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed None Listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed None Listed.

SARA 313 Emission Reporting

The Following ingredients are listed None Listed.

CAA Accidental Release Prevention

The Following ingredients are listed None Listed.

OSHA Highly Hazardous Chemicals

The Following ingredients are listed None Listed.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-II)

The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List

The Following ingredients are listed potassium perchlorate

Rhode Island "Right To Know" List

The Following ingredients are listed None Listed.

Minnesota "Right To Know" List

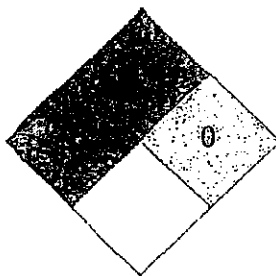
The Following ingredients are listed None Listed.

New Jersey "Right To Know" List

The Following ingredients are listed boron
potassium perchlorate
titanium

Pennsylvania "Right To Know" List

The Following ingredients are listed potassium perchlorate

SECTION 16: Other Information**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)****HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Revision Comments

This is first issue

Revision Date

02/11/2016

Revision

1

Disclaimer

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SAFETY REGULATIONS PART 397

General

§397.2 Compliance with Federal motor carrier safety regulations.

A motor carrier or other person to whom this part is applicable must comply with the rules in Part 390 through 397, inclusive, of this subchapter when he/she is transporting hazardous materials by a motor vehicle which must be marked or placarded in accordance with §177.823 of this title.

[37 FR 18080, Sept. 7, 1972]

§397.3 State and local laws, ordinances and regulations.

Every motor vehicle containing hazardous materials must be driven and parked in compliance with the laws, ordinances, and regulations of the jurisdiction in which it is being operated, unless they are at variance with specific regulations of the Department of Transportation which are applicable to the operation of that vehicle and which impose a more stringent obligation or restraint.

§397.5 Attendance and surveillance of motor vehicles.

- (a) Except as provided in paragraph (b) of this section, a motor vehicle which contains a Division 1.1, 1.2, or 1.3 (explosive) material must be attended at all times by its driver or a qualified representative of the motor carrier that operates it.
- (b) The rules in paragraph (a) of this section do not apply to a motor vehicle which contains Division 1.1, 1.2, or 1.3 material if all the following conditions exist—
- (b)(1) The vehicle is located on the property of a motor carrier, on the property of a shipper or consignee of the explosives, in a safe haven, or, in the case of a vehicle containing 50 pounds or less of a Division 1.1, 1.2, or 1.3 material, on a construction or survey site; and
- (b)(2) The lawful bailee of the explosives is aware of the nature of the explosives the vehicle contains and has been instructed in the procedures which must be followed in emergencies; and
- (b)(3) The vehicle is within the bailee's unobstructed field of view or is located in a safe haven.
- (c) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3, materials, and which is located on a public street or highway, or the shoulder of a public highway, must be attended by its driver. However, the vehicle need not be attended while its driver is performing duties which are incident and necessary to the driver's duties as the operator of the vehicle.
- (d) For purposes of this section—
- (d)(1) A motor vehicle is attended when the person in charge of the vehicle is on the vehicle, awake, and not in a sleeper berth, or is within 100 feet of the vehicle and has it within his/her unobstructed field of view.
- (d)(2) A qualified representative of a motor carrier is a person who—
- (d)(2)(i) Has been designated by the carrier to attend the vehicle;
- (d)(2)(ii) Is aware of the nature of the hazardous materials contained in the vehicle he/she attends;
- (d)(2)(iii) Has been instructed in the procedures he/she must follow in emergencies; and
- (d)(2)(iv) Is authorized to move the vehicle and has the means and ability to do so.
- (d)(3) A safe haven in an area specifically approved in writing by local, State, or Federal governmental authorities for the parking of unattended vehicles containing Division 1.1, 1.2, or 1.3 materials.
- (e) The rules in this section do not relieve the driver from any obligation imposed by law relating to the placing of warning devices when a motor vehicle is stopped on a public street or highway.

[59 FR 63925, Dec. 12, 1994]

§397.7 Parking.

- (a) A motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must not be parked under any of the following circumstances—
- (a)(1) On or within 5 feet of the traveled portion of a public street or highway;
- (a)(2) On private property (including premises of a fueling or eating facility) without the knowledge and consent of the person who is in charge of the property and who is aware of the nature of the hazardous materials the vehicle contains; or
- (a)(3) Within 300 feet of a bridge, tunnel, dwelling, or place where people work, congregate, or assemble, except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.
- (b) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3 materials must not be parked on or within five feet of the traveled portion of public street or highway except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

397.11 Fires.

- (a) A motor vehicle containing hazardous materials must not be operated near an open fire unless its driver has first taken precautions to ascertain that the vehicle can safely pass the fire without stopping.
- (b) A motor vehicle containing hazardous materials must not be parked within 300 feet of an open fire.

§397.13 Smoking.

No person may smoke or carry a lighted cigarette, cigar, or pipe on or within 25 feet of—

- (a) A motor vehicle which contains Class 1 materials, Class 5 materials, or flammable materials classified as Division 2.1, Class 3, Divisions 4.1 and 4.2; or
- (b) An empty tank motor vehicle which has been used to transport Class 3, flammable materials or Division 2.1 flammable gases, which, when so used, was required to be marked or placarded in accordance with the rules in §177.823 of this title.

[59 FR 63925, Dec. 12, 1994]

§397.15 Fueling.

When a motor vehicle which contains hazardous materials is being fueled—

- (a) Its engine must not be operating; and
- (b) A person must be in control of the fueling process at the point where the fuel tank is filled.

§397.17 Tires.

- (a) A driver must examine each tire on a motor vehicle at the beginning of each trip and each time the vehicle is parked.
- (b) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be flat, leaking, or improperly inflated, the driver must cause the tire to be repaired, replaced, or properly inflated before the vehicle is driven. However, the vehicle may be driven to the nearest safe place to perform the required repair, replacement, or inflation.
- (c) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be overheated, the driver shall immediately cause the overheated tire to be removed and placed at a safe distance from the vehicle. The driver shall not operate the vehicle until the cause of the overheating is corrected.
- (d) Compliance with the rules in this section does not relieve a driver from the duty to comply with the rules in §§397.5 and 397.7.

[67 FR 62192, Oct. 4, 2002]

§397.19 Instructions and documents.

- (a) A motor carrier that transports Division 1.1, 1.2, or 1.3 (explosive) materials must furnish the driver of each motor vehicle in which the explosives are transported with the following documents:
 - (a)(1) A copy of the rules in this part;
 - (a)(2) [Reserved]
 - (a)(3) A document containing instructions on procedures to be followed in the event of accident or delay. The documents must include the names and telephone numbers of persons (including representatives of carriers or shippers) to be contracted, the nature of the explosives being transported, and the precautions to be taken in emergencies such as fires, accidents, or leakages.
- (b) A driver who receives documents in accordance with paragraph (a) of this section must sign a receipt for them. The motor carrier shall maintain the receipt for a period of one year from the date of signature.
- (c) A driver of a motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must be in possession of, be familiar with, and be in compliance with
 - (c)(1) The documents specified in paragraph (a) of this section;
 - (c)(2) The documents specified in §177.817 of this title; and
 - (c)(3) The written route plan specified in §397.67.

[59 FR 63925, Dec. 12, 1994; 63 FR 33280, June 18, 1998]

Emergency Response
Explosives- Division 1.1, 1.2, 1.3, 1.5, or: Class A & B
UN0335, Fireworks, 1.3G, PG II
UN0333, Fireworks, 1.1G, PGII

CARGO Fires

- DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!
- Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn
- Do not move cargo or vehicle if cargo has been exposed to heat.

Tire or Vehicle Fires

- Use plenty of water -FLOOD it! If water is not available, use CO2, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready

SPILL or LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded
- Do not touch or walk through spilled material.
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet OF ELECTRIC DETONATORS.
- DO NOT CLEAN UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

FIRST AID

- Move victim to fresh air, Call emergency medical care.
- Apply artificial respiration if victim is not breathing
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least for 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

FIRE OR EXPLOSION

- MAY EXPLODE AND THROW FRAGMENTS 1600 meters (1 MILE) OR MORE IF FIRE REACHES CARGO.
- For information on "Compatibility Group" letters, refer to Glossary section in Emergency Response Guidebook.

HEALTH

- Fire may produce irritating, corrosive and / or toxic gases.

PUBLIC SAFETY

- CALL Emergency Response Telephone Number on Shipping Paper first.
- CALL CHEM-TEL'S 24- HOUR NUMBER (800) 255-3924
- Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away.
- Stay upwind.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters protective clothing will only provide limited protection.

EVACUATION

LARGE SPILL

- Consider initial evacuation for 800 meters (1/2 mile) in all directions.

Fire

- If rail car or trailer is involved in a fire and heavily encased explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600M (1 mile in all directions; also initiate evacuation including emergency responders for 1600M (1 mile) in all directions.
- When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions

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1 Identification

Product identifier

- Fireworks, Division 1.3 Explosive

Trade name:

- Fireworks, Display

Product code:

- Fireworks, 1.3G UN0335

Recommended use and restriction on use

- Recommended use:** Explosive product for professional use for entertainment and technical purposes

- Restrictions on use:** Contact manufacturer/supplier

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

- East Coast Pyrotechnics
- 4652 Catawba River Road
- Catawba, SC 29704
- 803-789-5733

Emergency telephone number:

- ChemTel Inc.
- (800)255-3924, +1 (813)248-0585

2 Hazard(s) Identification

Classification of the substance or mixture

- Expl. 1.3 H203 Explosive; fire, blast or projection hazard.

Label elements

GHS label elements

- The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



GHS01

Signal word: Danger

Hazard statements:

- H203 Explosive; fire, blast or projection hazard.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P250 Do not subject to grinding/shock/friction.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P373 DO NOT fight fire when fire reaches explosives.
- P370+P380 In case of fire: Evacuate area.
- P372 Explosion risk in case of fire.

(Cont'd. on page 2)

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P401 Store in accordance with local/regional/national/international regulations.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Other hazards** There are no other hazards not otherwise classified that have been identified.

• **Explosive Product Notice**

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, **DO NOT USE IT** before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he should consult the manufacturer before use.

3 Composition/Information on Ingredients

• **Chemical characterization:** Mixtures

• **Components:**

Components for product possessing only physical hazards do not require reporting. These components are considered proprietary.

4 First-aid measures

• **Description of first aid measures**

• **General information:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Wash with soap and water.

In case of minor burns, flush with cool water.

If skin irritation is experienced, consult a doctor.

• **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

(Cont'd. on page 3)

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- **Most important symptoms and effects, both acute and delayed:**
 - Blast injury if mishandled.
 - Thermal burns, if mishandled.
- **Danger:** Danger of blast or crush-type injuries.
- **Indication of any immediate medical attention and special treatment needed:**
 - Product may produce physical injury if mishandled. Treatment of these injuries should be based on the clinical presentation.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - DO NOT fight fire when fire reaches explosives.
 - Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
 - Explosive; fire, blast or projection hazard.
 - During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information:**
 - Eliminate all ignition sources if safe to do so.
 - In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
 - Cool endangered receptacles with water spray.
 - Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Mass explosion of multiple devices is possible under certain conditions. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2012 Emergency response Guidebook for further information.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Remove persons from danger area.
 - Ensure adequate ventilation.
 - Isolate area and prevent access.
- **Environmental precautions**
 - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
 - Pick up mechanically.

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Send for recovery or disposal in suitable receptacles.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

Handle with care. Avoid jolting, friction and impact.

Restrict the quantity stored at the work place.

Keep out of reach of children.

· **Information about protection against explosions and fires:**

In case of fire: Evacuate area.

Explosion risk in case of fire.

Keep away from sparks and open flames. - No smoking.

Emergency cooling must be available in case of nearby fire.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

Store in accordance with local/regional/national/international regulations.

Store away from foodstuffs.

Store away from flammable substances.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store locked up.

· **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

· **Engineering controls:** Provide adequate ventilation.

(Cont'd. on page 5)

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- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:** When needed, wear gloves for protection against mechanical hazards.
- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** When needed, wear protective clothing for protection against mechanical hazards.
- **Limitation and supervision of exposure into the environment**
No relevant information available.
- **Risk management measures**
Organizational measures should be in place for all activities involving this product.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Outer shell containing powder, granular, or solid materials.
 Color: According to product specification

· Odor: Odorless

· Odor threshold: Not determined.

· pH-value: Not applicable.

· Melting point/Melting range: Not determined.

· Boiling point/Boiling range: Not determined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Fire or projection hazard.

· Auto-ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Danger of explosion: Heating may cause an explosion.

· Explosion limits

Lower: Not determined.

Upper: Not determined.

· Vapor pressure: Not applicable.

· Density: Not determined.

· Relative density: Not determined.

· Vapor density: Not applicable.

· Evaporation rate: Not applicable.

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- | | |
|---|------------------------------------|
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** Risk of explosion if heated under confinement.
- **Possibility of hazardous reactions**
Explosive; fire, blast or projection hazard.
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong acids and alkali.
- **Conditions to avoid**
Excessive heat.
Sources of ignition: sparks, open flame, incompatible materials
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**
Carbon monoxide and carbon dioxide
Nitrogen oxides
Sulfur oxides (SOx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**
Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.
- **On the eye:**
Not an eye irritant in unused form. Vapors/particles from used product are possibly irritating to eyes.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Carcinogenic categories**

- | | |
|--|-------------------------------------|
| · IARC (International Agency for Research on Cancer): | |
| | None of the ingredients are listed. |

(Cont'd. on page 7)

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· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Probable route(s) of exposure:

Skin contact.

Eye contact.

Inhalation.

· Acute effects (acute toxicity, irritation and corrosivity):

Danger of blast or crush-type injuries.

Risk of thermal burns.

· Repeated dose toxicity: From product as supplied: None.
· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
· Germ cell mutagenicity: Based on available data, the classification criteria are not met.

· Carcinogenicity: Based on available data, the classification criteria are not met.

· Reproductive toxicity: Based on available data, the classification criteria are not met.

· STOT-single exposure: Based on available data, the classification criteria are not met.

· STOT-repeated exposure: Based on available data, the classification criteria are not met.

· Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

· Toxicity
· Aquatic toxicity No relevant information available.

· Persistence and degradability No relevant information available.

· Bioaccumulative potential: May be accumulated in organism

· Mobility in soil: No relevant information available.

· Other adverse effects No relevant information available.

13 Disposal considerations

· Waste treatment methods
· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Incinerate in accordance with local, state and federal regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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(Cont'd. of page 7)

- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**
· DOT, ADR, IMDG
· IATA

UN0335
FORBIDDEN

· **UN proper shipping name**
· DOT, ADR, IMDG
· IATA

Fireworks
FORBIDDEN

· **Transport hazard class(es)**

· DOT



· **Class**
· **Label**

1.3
1.3G

· ADR



· **Class**
· **Label**

1.3
1.3G

· IMDG



· **Class**
· **Label**

1.1
1.3G

· IATA
· **Class**

FORBIDDEN

· **Packing group**

· DOT

II

· **Environmental hazards**

· **Marine pollutant:**

No

· **Special precautions for user**

Not applicable.

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Trade name: Fireworks, Display

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EMS Number: F-S,B-X

Transport in bulk according to Annex II of
 MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

· Section 302 (extremely hazardous substances):

None of the ingredients are listed.

· Section 304 (emergency release notification):

None of the ingredients are listed.

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

Contact manufacturer.

· TSCA (Toxic Substances Control Act)

All ingredients are listed.

· Proposition 65 (California)

· Chemicals known to cause cancer:

Contact manufacturer.

· Chemicals known to cause reproductive toxicity for females:

Contact manufacturer.

· Chemicals known to cause reproductive toxicity for males:

Contact manufacturer.

· Chemicals known to cause developmental toxicity:

Contact manufacturer.

· Carcinogenic categories

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer):

Contact manufacturer.

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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
Contact manufacturer.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 01/06/2017 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
LDLo: Lowest Lethal Dose Observed
Expl. 1.3: Explosives – Division 1.3

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com

- **EMERGENCY RESPONSE**
- **UN0336, FIREWORKS, 1.4G, PGII,**
- **UN0431, ARTICLES PYROTECHNICS, 1.4G, PGII,**
- **UN0432, ARTICLES PYROTECHNICS, 1.4S, PGII,**
- **UN0325 IGNITERS, 1.4G, PGII, UN0454, IGNITERS, 1.4S, PGII**

- **POTENTIAL HAZARDS**

- **Fire or explosion**
- May explode and throw fragments 500 meters (1/3 mile) or more if fire reaches cargo.

- **Health**
- Fire may produce irritating, corrosive and/or toxic gases

- **PUBLIC SAFETY**

- Call Emergency Response Telephone Number on Shipping Paper. Chem-Tel (800) 255-3924
- Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions.
- Ventilate closed spaces before entering.

- **PROTECTIVE CLOTHING**

- Wear positive pressure self-contained breathing apparatus (SCBA)
- Structural firefighters' protective clothing will only provide limited protection.

- **EVACUATION**

- **Large Spill**
- Consider initial evacuation for 250 meters (800 feet) in all directions.
- **Fire**
- If rail car or trailer is involved in a fire, **ISOLATE** for 500 meters (1/3 mile) in all directions; also initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions.

- **EMERGENCY RESPONSE**

- **Fire**
- **Cargo Fires**
- Do not fight fire when fire reaches cargo! Cargo may explode
- Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn.
- Do not move cargo or vehicle if cargo has been exposed to heat.
- **TIRE or VEHICLE Fires**
- Use plenty of water-FLOOD it! If water is not available, use CO2, dry chemical or dirt.
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.
- **Spill or Leak**
- Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- **DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS (330 FEET) OF ELECTRIC DOTONATORS.**
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**
- **First Aid**
- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Resmove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Product J-Tek
 Revision Date 02/11/2016
 Revision 1



Safety Data Sheet

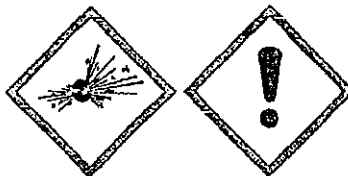
SECTION 1: IDENTIFICATION

Product Name	J-Tek
Identifier Uses	No specific uses identified.
Supplier	MJG Technologies Inc PyroSmart Mexico, S.A. de C.V. Parcela 34 Z 1 1/2, Nuevo Mundo Ejido de Ojacaliente, Zacatecas, Mexico 98705, Mexico Tel: 856-228-6118
Contact Person	info@electricmatch.com
Emergency Telephone	1-352-323-3500 Contract # 100588

SECTION 2: HAZARDS IDENTIFICATION

Appearance	Solid. Medium brown colored head of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.
Color	Medium brown colored.
Odor	No odour information available.

Pictogram(s)



Signal Word	Danger
Hazard Statements	H204 Fire or projection hazard. H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed.

Precautionary Statements	P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. P221 Take any precaution to avoid mixing with combustibles/[*] P280 Wear protective gloves/ protective clothing/eye protection/face protection. P374 Fight fire with normal precautions from a reasonable distance. P370 + P380 In case of fire: Evacuate area.
---------------------------------	--

Contains	potassium perchlorate
-----------------	-----------------------

GHS Classification	
Physical and Chemical Hazards	Ox Sol 1 - H271, Expl. 1.4 - H204
Human Health	Acute Tox 4 - H302,
Environment	Not classified

OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
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Inhalation	Inhalation of large amounts of igniter heads may cause respiratory discomfort.
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Ingestion	Harmful if swallowed.
Skin contact	Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.
Eye contact	Thermal burns to the eyes caused by accidental ignition of igniters .
Routes of Exposure	No Information available.
Other Hazards	Not applicable.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	GHS Classification	%
potassium perchlorate	CAS-No.: 7778-74-7 EC No.: 231-912-9	Ox Sol 1 - H271, Acute Tox 4 - H302	30-60%

Composition Comments This product contains proprietary information.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Information	CAUTION! First aid personnel must be aware of own risk during rescue! Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Burns must be treated by doctors. Place unconscious person on the side in the recovery position and ensure breathing can take place. If heart stops, heart-compression must be carried out. In case of accidents: Call an ambulance immediately! Show the MSDS.
Inhalation	If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.
Ingestion	Get medical attention immediately. Do NOT induce vomiting. If victim is conscious and alert, wash out mouth with water then give water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning. Consult a doctor.
Eye contact	Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Continue to rinse for at least 15 minutes.

Most important symptoms and effects, both acute and delayed

General Information	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
Inhalation	Inhalation of large amounts of igniter heads may cause respiratory discomfort.
Ingestion	Harmful if swallowed.
Skin contact	Thermal burns to the skin caused by accidental ignition of igniters. Not absorbed through the skin.
Eye contact	Thermal burns to the eyes caused by accidental ignition of igniters .
Routes of Exposure	No Information available.

Most important symptoms and effects, both acute and delayed

Notes To The Physician	Treat Symptomatically.
-------------------------------	------------------------

SECTION 5: Firefighting Measures

Auto Ignition Temperature (°C)	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Flash point	No Information available.
Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Hazardous combustion products	Smoke contains Boron and Titanium.
Unusual Fire & Explosion Hazards	Burning igniters will project sparks several feet and can cause secondary fires. Igniters may rupture a container if ignited under confinement. Igniters may be ignited by extreme impact, friction or electrostatic discharge.
Special Fire Fighting Procedures	If possible, fight fire from protected position. Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water. Use water spray to cool container and prevent

Protective equipment for fire-fighters	rupture. Fire fighters should wear full protective equipment, including a self-contained breathing apparatus. Water should be used to cool surrounding containers.
--	---

SECTION 6: Accidental Release Measures

Personal Precautions	Use proper personal protection (refer to Section 8).
Environmental Precautions	Run off from fire control or dilution water may cause pollution. Keep out of drains, municipal sewers, open bodies of water and water course.
Spill Clean Up Methods	Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage

Handling	Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges when there is a risk of dust explosion.
Usage Description	Use only according to directions.
Storage Precautions	Store igniters in accordance with local, state and federal regulations. Keep dry and avoid temperatures above 120 degree F. Store in closed container away from incompatible materials, sunlight and heat to prolong shelf life. Minimize exposure in accordance with good hygiene practices. Keep out of reach of children. Keep away from food and drink. Containers opened must be resealed and kept upright. Do not store in unlabelled containers.
Specific End Use(s)	Igniter.

SECTION 8: Exposure Controls/Personal Protection

Protective Equipment



Ingredient Comments	No occupational exposure limits noted for the ingredients(s).
Process Conditions	Ensure that eye flushing systems and safety showers are located close to the working place.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	If ventilation is inadequate use a suitable respirator.
Hand Protection	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Due to risk of fire, leather footwear and cotton clothing should never be used. Long sleeved shirt, trousers, rubber boots, rubber gloves, and rubber apron.
Eye Protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Hygiene Measures	Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Solid. Medium brown colored bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths. Red or blue lacquer coating on igniter head.
Color	Medium brown colored.

Odor	No odour information available.
Odor Threshold - Lower	No Information available.
Odor Threshold - Upper	
pH-Value, Conc. Solution	No Information available.
pH-Value, Diluted Solution	No Information available.
Melting point	No Information available.
Initial boiling point and boiling range	No Information available.
Flash point	No Information available.
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit - Lower(%)	No Information available.
Flammability Limit - Upper(%)	No Information available.
Vapor pressure	No Information available.
Vapor Density (air=1)	No Information available.
Relative density	No Information available.
Bulk Density	No Information available.
Solubility	No information available.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information available.
Explosive Properties	Bead of pyrotechnic composition on a copper-clad chip with two PVC insulated connecting wires of various lengths.
Oxidizing Properties	No Information available.
Molecular Weight	No Information available.
Volatile Organic Compound	No Information available.

SECTION 10: Stability and Reactivity

Reactivity	Reaction with heat, acids and reducing agents.
Stability	Stable under normal temperature conditions and recommended use.
Hazardous Polymerisation	Will not polymerise.
Hazardous Decomposition Products	Smoke contains oxides of Boron and Titanium.
Conditions to Avoid	Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
Materials to Avoid	Keep away from strong acids. Keep away from strong reducing agents and strong oxidising agents.

SECTION 11: Toxicological Information

Toxicological Information	No toxicological information for the overall finished product.
Acute Toxicity (Oral LD50)	No Information available.
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitisation	No Information available.
Skin Sensitisation	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	The product and its components are not listed.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

SECTION 12: Ecological Information

Ecotoxicity	The product does pose an environmental hazard.
Acute Toxicity - Fish	No Information available.
Acute Toxicity - Aquatic Invertebrates	No Information available.
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	There are no data on the degradability of this product.
Bioaccumulative Potential	No data available on bioaccumulation.
Mobility	No information available.
Results of PBT and vPvB Assessment	No information available.
Other Adverse Effects	No information available.

SECTION 13: Disposal Considerations

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Waste disposal must be in accordance with appropriate federal, state, and local regulations.

SECTION 14: Transport Information**UN Number**

UN No. (DOT/TDG)	UN454
UN No. (IMDG)	UN454
UN No. (IATA)	UN0454

Proper Shipping Name

DOT/TDG Proper Shipping Name	IGNITERS
IMDG Proper Shipping Name	IGNITERS

IATA Proper Shipping Name	Igniters
---------------------------	----------

Transport Hazard Class(es)

DOT/TDG Class	1.4
IMDG Class	1.4 S
IATA Class	1.4S

Transport Labels

**Packing Group(s)**

DOT Packing Group	<none>
IMDG Packing Group	-
IATA Packing Group	<none>

Special Precautions for User

EMS	F-B, S-X
-----	----------

Environmentally Hazardous Substance/Marine Pollutant

ADR	No
IMDG	No
IATA	No

SECTION 15: Regulatory Information**US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed None Listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed None Listed.

SARA 313 Emission Reporting

The Following ingredients are listed None Listed.

CAA Accidental Release Prevention

The Following ingredients are listed None Listed.

OSHA Highly Hazardous Chemicals

The Following ingredients are listed None Listed.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-II)

The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List

The Following ingredients are listed potassium perchlorate

Rhode Island "Right To Know" List

The Following Ingredients are listed None Listed.

Minnesota "Right To Know" List

The Following ingredients are listed None Listed.

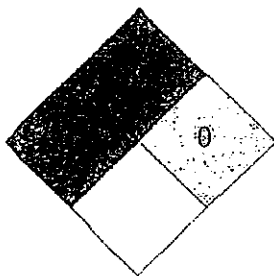
New Jersey "Right To Know" List

The Following ingredients are listed boron
potassium perchlorate
titanium

Pennsylvania "Right To Know" List

The Following ingredients are listed potassium perchlorate

SECTION 16: Other Information

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	

Revision Comments

This is first issue

Revision Date

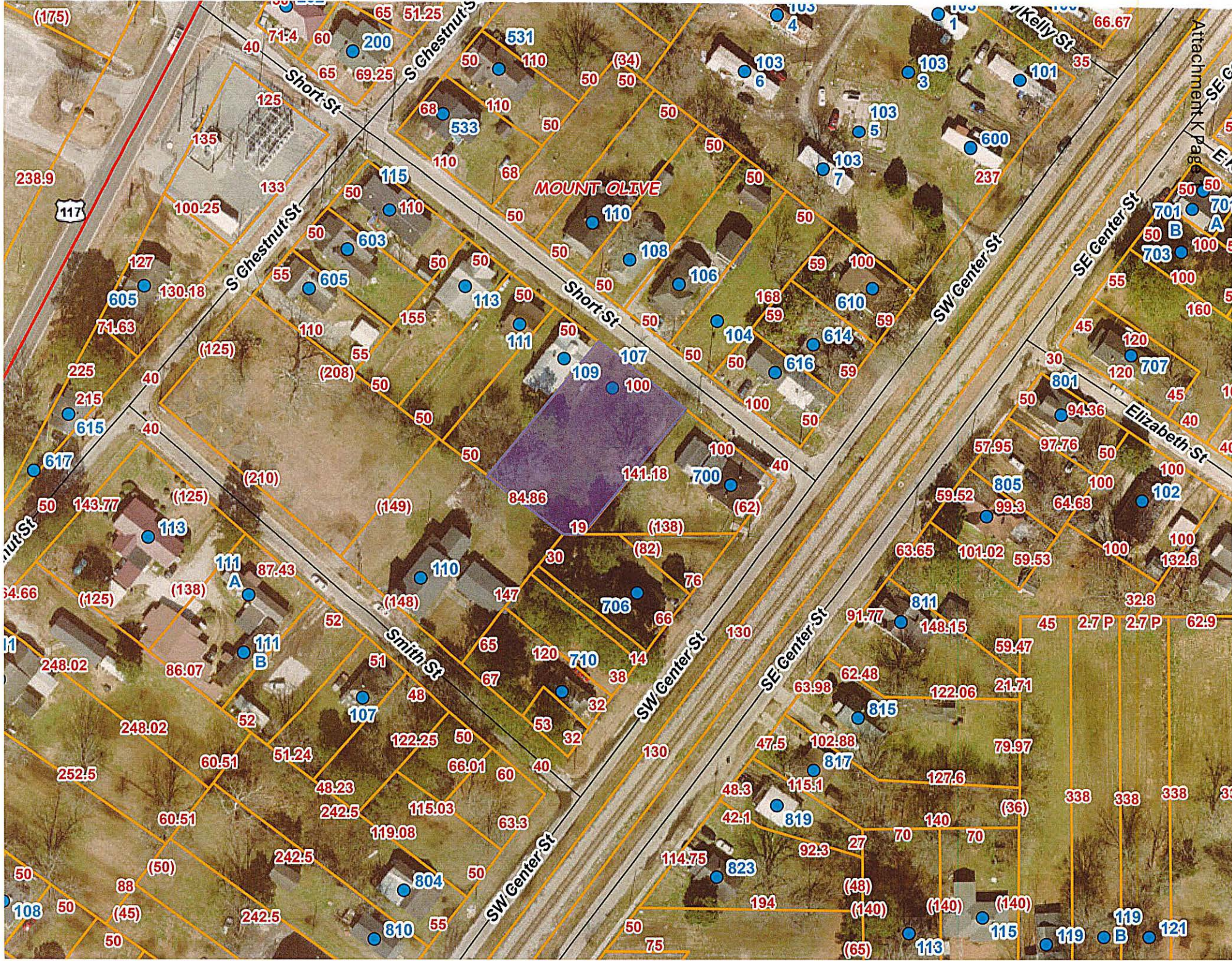
02/11/2016

Revision

1

Disclaimer

ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. THIS INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MJG TECHNOLOGIES INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS AND/OR COMPLIANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.



WAYNE COUNTY & TOWN OF MT OLIVE										Return/Appeal Notes: Parcel: 2572658205												
107 SHORT ST 75268590										PLAT: / UNIQ ID 4262 ID NO: 02H15030002008												
COUNTYWIDE ADVALOREM TAX (100), TOWN - MOUNT OLIVE (100)										CARD NO. 1 of 1												
Reval Year: 2019 Tax Year: 2024 SHORT ST										1.0000 LT SRC=												
Appraised by on 02001 TOWN OF MOUNT OLIVE										TW-02 CI-03FR-00EX-5 AT- LAST ACTION 20190206												
CONSTRUCTION DETAIL		MARKET VALUE				DEPRECIATION				CORRELATION OF VALUE												
TOTAL POINT VALUE		USE	MOD	Eff. Area	QUAL	BASE RATE	RCN	EYB	AYB	CREDENCE TO												
BUILDING ADJUSTMENTS		01	00							% GOOD												
TOTAL ADJUSTMENT FACTOR		TYPE: SINGLE FAMILY RESIDENTIAL										DEPR. BUILDING VALUE - CARD 0										
TOTAL QUALITY INDEX		STYLE:										DEPR. OB/XF VALUE - CARD 0										
												MARKET LAND VALUE - CARD 10,100										
												TOTAL MARKET VALUE - CARD 10,100										
												TOTAL APPRAISED VALUE - CARD 10,100										
												TOTAL APPRAISED VALUE - PARCEL 10,100										
												TOTAL PRESENT USE VALUE - PARCEL 0										
												TOTAL VALUE DEFERRED - PARCEL 0										
												TOTAL TAXABLE VALUE - PARCEL \$ 10,100										
												PRIOR										
												BUILDING VALUE 0										
												OBXF VALUE 0										
												LAND VALUE 8,590										
												PRESENT USE VALUE 0										
												DEFERRED VALUE 0										
												TOTAL VALUE 8,590										
												PERMIT										
		CODE		DATE		NOTE		NUMBER		AMOUNT												
		ROUT: WTRSHD:																				
		SALES DATA																				
		OFF. RECORD		DATE		DEED TYPE		Q/UV/I		INDICATE SALES PRICE												
		BOOK	PAGE	MOYR																		
		03108	0705	8	2014	WD	C	V	I			0										
		02123	0747	9	2003	WD	U	I	I			0										
		01697	0454	1	1999	WD	U	I	I			6000										
		01013	0715	8	1981	WD	U	I	I			0										
		00200	0371	1	1901	WD	U	I	I			0										
		HEATED AREA																				
		NOTES																				
		LT 8242 ADDED TO THIS PARCEL																				
SUBAREA		GS AREA		RPL CS		CODE	QUALITY	DESCRIPTION	COUNT	LTH	WTH	UNITS	UNIT PRICE	ORIG % COND	BLDG#	SIZE FACT	AYB	EYB	ANN DEP RATE	OVR	% COND	OB/XF DEPR. VALUE
TYPE																						0
FIREPLACE																						
SUBAREA																						
TOTALS																						
BUILDING DIMENSIONS																						
LAND INFORMATION																						
HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH / SIZE	LND MOD	COND FACT	OTHER ADJUSTMENTS AND NOTES				ROAD TYPE	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJST	ADJUSTED UNIT PRICE	LAND VALUE	OVERRIDE VALUE	LAND NOTES		
0100	0100	R-6	100	154	1.0100	2	1.0000						100.00	100.000	FF	1.010	101.00	10100	0			
TOTAL MARKET LAND DATA																		10,100				
TOTAL PRESENT USE DATA																						

AFFIDAVIT OF PUBLICATION

Before the undersigned; a Notary Public of said County and State, duly commissioned and authorized to administer oaths, affirmations, etc., personally appeared Kenneth E. Fine who, being duly sworn and affirmed, according to law, doth depose and say that he is Owner of NEW OLD NORTH MEDIA, LLC, a corporation organized and doing business under the Laws of the State of North Carolina, and publishing a newspaper known as WAYNE WEEK, in the County of Wayne, State aforesaid, the said newspaper in which such notice, paper, document, or legal advertisement was published was, at the time of each and every such publication, a newspaper meeting all of the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina, and that he makes this affidavit; that he is familiar with the books, files and business of said corporation and by reference to the files of said publication of the attached advertisement of:

sale of County Property : Short Street
PIN: 2572658205

The above was inserted in the aforesaid newspaper in space, and on the following dates:

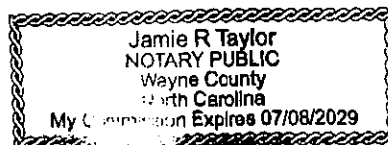
march 9, 2025

Kenneth E. Fine *3/10/25*

OWNER, NEW OLD NORTH MEDIA, LLC.

EDITOR, WAYNE WEEK

STATE OF NC
COUNTY OF Wayne
SUBSCRIBED AND SWORN TO BEFORE ME
THIS 10 DAY OF March, 2025
BY Kenneth E. Fine
[Signature]
NOTARY PUBLIC



PUBLIC NOTICE
SALE OF COUNTY PROPERTY
An offer of \$4,500 has been submitted for the purchase of certain property owned by the County of Wayne and the Town of Mount Olive located at 107 Short Street, Mt. Olive, NC (PIN: 2572658205) more particularly described as follows:

BEGINNING at an iron stake on the Southern edge of Short Street, said beginning point being located N. 52 degrees 47' 06" W. 100 feet from an iron stake within the most Southwestern intersectional corner of Center Street and Short Street; thence from the beginning with the Southern right of way of Short Street; N. 52 degrees 47' 06" W. 100.00 feet to an iron stake; thence leaving the Southern right

of way of Short Street, S. 36 degrees 30' 00" W. 154.19 feet to an iron stake; thence S. 53 degrees 04' 14" E. 84.86 feet to an iron stake; thence N. 87 degrees 10' 12" E. 19.56 feet to an iron stake; thence N. 36 degrees 30' 00" E. 141.18 feet to an iron stake on the Southern right of way of Short Street, the point of beginning containing 15,298 Square Feet or 0.351 Acre more or less.

Persons wishing to upset the offer that has been received shall submit a sealed bid with their offer and the required de-

County Manager, 224 E. Short Street, Goldsboro, NC 27530 by 5:00 P.M. on March 19, 2025. At that time the Clerk to the Board shall open the bids, if any, and the highest qualifying bid will become the new offer. If there is more than one bid in the highest amount, the first such bid received will become the new offer.

A qualifying higher bid is one that raises the existing offer at least 10% of the first \$1,000 and 5% of the remainder. A qualifying bid must raise the existing offer to an amount not less than \$4,775.00.

A qualifying higher bid must be accompanied by a deposit in the amount of five percent (5%) of the bid; the deposit may be made in cash, cashier's check, or certified check. The County will return the deposit on any bid not accepted, and will return the deposit on a qualifying higher bid is received. If no other offer to purchase will be accepted.

Further information may be obtained at the Wayne County Manager's Office, 224 E. Walnut Street, Goldsboro, NC 27530 or by telephone at (919) 705-1971 during normal business hours.

Andrew J. Neal
Wayne County Staff Attorney
PO Box 227
Goldsboro, NC 27533
(919) 705-1971
Published March 9, 2025

April 3rd, 2025

To Whom It May Concern:

I, **Christopher Michael Jones**, would like to offer the County of Wayne & the City of Goldsboro the sum of **\$2,500** for the purchase of the following surplus land parcel at the following locations in the county:

1) Parcel #3518642185

Street: Piedmont Airline Rd. Goldsboro, NC

Bid: \$2,500

Signed: 
4/3/25

Name: Christopher Michael Jones

Address: 506 N Hillcrest Dr Apt C Goldsboro, NC 27534

Phone: 336-964-9155

Email: mr.christopher.jones@outlook.com

Amount of Bid Deposit(s): \$125 Deposit + \$250 Advertising Fee = \$375 enclosed check

Please reach out to me with any questions or concerns

NORTH CAROLINA

WAYNE COUNTY

**RESOLUTION # 2025- 17 : A RESOLUTION DECLARING SURPLUS REAL
PROPERTY AND AUTHORIZING ITS SALE**

WHEREAS, the County and City have acquired a property interest a piece of property located at, on Piedmont Airline Road, Goldsboro having a parcel identification number of 3518642185 and being more particularly described in that deed recorded in Deed Book 3372, Page 361 in the Office of the Register of Deeds for Wayne County ("Property"); and

WHEREAS, the County and the City of Goldsboro obtained an interest in this property through tax foreclosure proceedings; and

WHEREAS, the Staff Attorney and County Manager have recommended that this property be declared surplus and sold, following a careful review by the Staff Attorney and the Facilities Services Director that determined the County has no use for these properties; and

WHEREAS, NCGS § 160A-269 permits the County to sell property by upset bid, after receipt of an offer for the property; and

WHEREAS, the County has received an offer to purchase the property described above, in the amount of \$2,500, submitted by Christopher Michael Jones; and

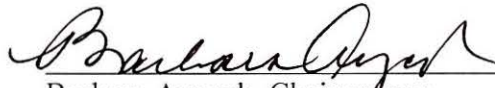
WHEREAS, Christopher Michael Jones has paid the required five percent (5%) deposit on its offer;

NOW, THEREFORE BE IT RESOLVED by the Wayne County Board of Commissioners that:

1. The Board of Commissioners declares the property described above surplus and authorizes the sale of the Property through upset bid procedure of North Carolina General Statute §160A-269.
2. A notice of the proposed sale shall be published which shall describe the property and the amount of the offer and shall state the terms under which the offer may be upset.
3. Any person may submit an upset bid to the Clerk to the Board within 10 days after the notice of sale is published. Once a qualifying higher bid has been received, that bid will become the new offer.
4. If a qualifying higher bid is received, new notice of upset bid shall be published, and shall continue to do so until a 10-day period has passed without any qualifying upset bid having been received. At that time, the amount of the final high bid shall be reported to the Board of Commissioners.

5. A qualifying higher bid is one that raises the existing offer by not less than ten percent (10%) of the first \$1,000.00 of that offer and five percent (5%) of the remainder of that offer.
6. A qualifying higher bid must also be accompanied by a deposit in the amount of five percent (5%) of the bid; the deposit may be made in cash, cashier's check, or certified check. The County will return the deposit on any bid not accepted and will return the deposit on an offer subject to upset if a qualifying higher bid is received. The county will return the deposit of the final high bidder at closing.
7. The County reserves the right to withdraw the property from sale at any time before the final high bid is accepted and the right to reject at any time all bids.
8. If no qualifying upset bid is received after the initial public notice, the offer set forth above is hereby accepted. The appropriate County officials are authorized to refer the matter to the City of Goldsboro by the City Council and, pending approval by said body, execute the instruments necessary to convey the property to Christopher Michael Jones.

Passed and adopted this the 3rd day of June, 2025.



Barbara Aycock, Chairwoman
Wayne County Board of Commissioners

ATTEST:



Carol Bowden, Clerk to the Board



PUBLIC NOTICE
SALE OF COUNTY PROPERTY

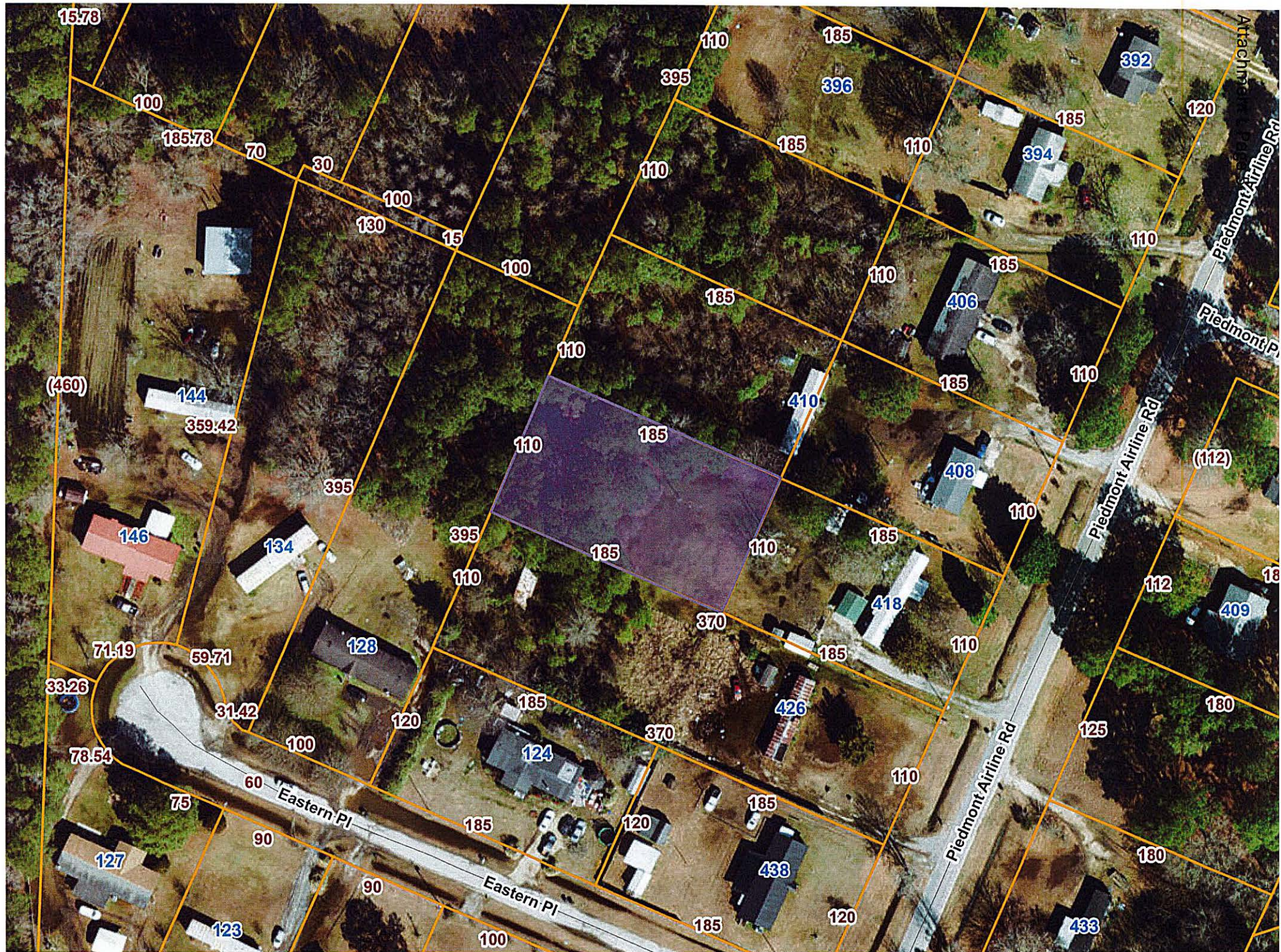
An offer of \$2,500.00 has been submitted for the purchase of certain property owned by the County of Wayne and City of Goldsboro located on Piedmont Airline Road, Goldsboro (PIN: 3518642185) more particularly described as follows:

Anyone wishing to upset the offer that has been received shall submit a sealed bid with their offer and the required deposit to the office of the Wayne County Manager, 224 E. Walnut Street, Goldsboro, NC 27530 by 5:00 P.M. on June 18, 2025. At that time the Clerk to the Board shall open the bids, if any, and the highest qualifying bid will become the new offer. If there is more than one bid in the highest amount, the first such bid received will become the new offer.

A qualifying higher bid is one that raises the existing offer at least 10% of the first \$1,000 and 5% of the remainder. A qualifying higher bid must be accompanied by a deposit in the amount of five percent (5%) of the bid; the deposit may be made in cash, cashier's check, or certified check. The County will return the deposit on any bid not accepted and will return the deposit on an offer subject to upset if a qualifying higher bid is received. If no other bids are made the original offer to purchase will be accepted.

Further information may be obtained at the Wayne County Manager's Office, 224 E. Walnut Street, Goldsboro, NC 27530 or by telephone at (919) 705-1971 during normal business hours.

Andrew J. Neal
Wayne County Staff Attorney
PO Box 227
Goldsboro, NC 27533
(919) 705-1971
Run date: May @, 2025



CITY OF GOLDSBORO
PIEDMONT AIRLINE RD
75254500

WAYNE COUNTY

COUNTYWIDE ADVALOREM TAX (100), CITY - GOLDSBORO (100)

Reval Year: 2025 Tax Year: 2025
Appraised by 88 on 07/28/2010 04901 NEW HOPE WEST

Return/Appeal Notes: Parcel: 3518642185
PLAT: / UNIQ ID 18482
ID NO: 04D08000008006B

CARD NO. 1 of 1
1.0000 LT
TW-04

SRC=
CI-01FR-00EX-2 AT-
LAST ACTION 20230822

CONSTRUCTION DETAIL

TOTAL POINT VALUE

BUILDING ADJUSTMENTS

TOTAL ADJUSTMENT

FACTOR

TOTAL QUALITY INDEX

USE

MOD

Eff. Area

QUAL

BASE RATE

RCN

EYB

AYB

% GOOD

TYPE: RURAL SINGLE FAMILY RESIDENTIAL

STYLE:

DEPRECIATION

CORRELATION OF VALUE

DEPR. BUILDING VALUE - CARD

DEPR. OB/XF VALUE - CARD

MARKET LAND VALUE - CARD

TOTAL MARKET VALUE - CARD

TOTAL APPRAISED VALUE - CARD

TOTAL APPRAISED VALUE - PARCEL

TOTAL PRESENT USE VALUE - PARCEL

TOTAL VALUE DEFERRED - PARCEL

TOTAL TAXABLE VALUE - PARCEL \$

PRIOR

BUILDING VALUE

OBXF VALUE

LAND VALUE

PRESENT USE VALUE

DEFERRED VALUE

TOTAL VALUE

PERMIT

CODE

DATE

NOTE

NUMBER

AMOUNT

ROUT: WTRSHD:

SALES DATA

OFF. RECORD

DATE

DEED

TYPE

Q/UV/I

INDICATE SALES PRICE

BOOK

PAGE

MOYR

WD

C

V

I

HEATED AREA

NOTES

SALE INCLUDED ON BK 8 LT

6A

SW ON LOT

SUBAREA

GS

RPL

CODE

QUALITY

DESCRIPTION

COUNT

LT

WTH

UNITS

UNIT PRICE

ORIG %

COND

BLDG#

AYB

EYB

ANN DEP

RATE

OVR

%

COND

OB/XF DEPR.

VALUE

TYPE

AREA

%

CS

15

1

MOBILEHOME

0

0

1

2,000.00

100.00

1999

1999

0

100

2000

FIREPLACE

TOTAL OB/XF VALUE

2,000

SUBAREA

TOTALS

BUILDING DIMENSIONS

LAND INFORMATION

HIGHEST AND BEST USE

USE CODE

LOCAL ZONING

FRON TAGE

DEPTH

DEPTH / SIZE

LND MOD

COND FACT

OTHER ADJUSTMENTS AND NOTES

RF

AC

LC

TO

OT

ROAD TYPE

LAND UNIT PRICE

TOTAL LAND UNITS

UNT TYP

TOTAL ADJST

ADJUSTED UNIT PRICE

LAND VALUE

OVERRIDE VALUE

LAND NOTES

5131

5131

0

0

1.9900

0

1.0000

5,800.00

0.470

AC

1.990

11,542.00

5425

TOTAL MARKET LAND DATA

0.470

5,430

TOTAL PRESENT USE DATA

**MEMORANDUM OF UNDERSTANDING BETWEEN WAYNE COUNTY AND WAYNE
COUNTY PUBLIC SCHOOLS FOR THE PROVISION OF ACTIVITY BUS
TRANSPORTATION FOR THE 2025 COUNTY INTERNSHIP PROGRAM**

This is a Memorandum of Understanding (MOU) between Wayne County (“County”) and the Wayne County Board of Education (“Board”) which operates the Wayne County Public Schools (WCPS). When referred to collectively, the County and WCPS are referred to as the “Parties.”

1. **BACKGROUND:** The County plans to host an internship program with up to 40 youth and up to 10 adults during the Summer of 2025. The program is directed at teaching the youth of Wayne County about the functions of local government and will provide enrichment and education opportunities for the youth of Wayne County. Participants will be able to participate in and learn about various aspects of local government. The buses will be used “to provide transportation services for school-aged and preschool-aged children, their caretakers, and their instructors to or from activities being held on the property of a nonprofit corporation or a unit of local government,” consistent with N.C. Gen. Stat. § 66-58.
2. **PURPOSE:** The purpose of this MOU is to memorialize the understanding and partnership between the Parties regarding the provision of activity buses and drivers by WCPS for use during the Internship. This MOU documents the responsibilities of the Parties and identifies points of contact. Neither Party to this MOU shall be obligated to spend any funds outside of the funds contemplated by this MOU.

3. RESPONSIBILITIES OF THE PARTIES:

3.1. The County will—

- 3.1.1. Develop proposed routes for the driver.
- 3.1.2. Obtain an executed waiver from all program participants which releases WCPS from any and all liability for any claims.
- 3.1.3. To the extent provided by law, indemnify and not hold WCPS liable for any claims or damages arising from the willful or negligent acts or omissions of the County involved in this MOU.
- 3.1.4. Communicate promptly with WCPS in the event of any delays or unforeseen issues.
- 3.1.5. Provide compensation to WCPS for the driver’s time and mileage incurred in the use of WCPS’s buses.

3.2. WCPS will—

- 3.2.1. Make available for the purposes described above, pursuant to N.C. Gen. Stat. § 115C-247 for use in local school activity purposes, one activity bus in

good operating condition (as documented by any required maintenance records). WCPS will confirm the physical and working condition of the activity buses provided. Buses will be provided on June 26, July 10, and July 17 between 9am and 2pm to transport students and supervisors and program managers.

3.2.2. Communicate promptly with the County in the event of any delays or unforeseen issues.

3.2.3. Ensure that only qualified and properly licensed drivers employed by WCPS are permitted to drive the activity bus.

3.2.4. WCPS shall maintain the sole responsibility for instructing its drivers. The County shall submit its requested assignments for routes to WCPS, which shall implement the routes as appropriate.

3.2.5. Contact the primary or alternate point of contact for the County, to coordinate the filing of any claims for damages to the activity buses, and, if appropriate, under the Board's appropriate insurance policy.

3.3. Both parties will—

3.3.1. Coordinate on the dates, times, and locations for pick-ups and drop-offs by the drivers of the activity bus provided under this MOU.

3.3.2. Not seek reimbursement from one another for the costs of labor, services, or supplies provided pursuant to this MOU, except as specified above.

4. **PERSONNEL:** Each Party is responsible for all costs of its personnel, including pay and benefits, support, and travel. Each Party is responsible for supervision and management of its personnel.

5. **GENERAL PROVISIONS:**

5.1. **POINTS OF CONTACT:** The following points of contact will be used by the Parties to communicate in the implementation of this MOU. Each Party may change its point of contact upon reasonable notice to the other Party.

5.1.1. For the County---

5.1.1.1. Primary: Sara Larson
HR Director
Wayne County
(919) 731-1628

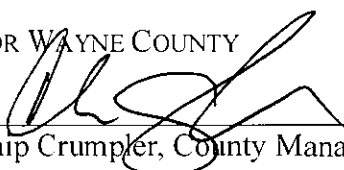
5.1.2. For WCPS—

5.1.2.1. Primary: Mr. Robert Lee
Director of Transportation
Wayne County Public Schools
(919) 705-6070

- 5.2. **FUNDS AND MANPOWER:** This MOU does not document nor provide for the exchange of funds or manpower between the Parties. All WCPS employees providing services shall remain under the exclusive control of WCPS at all times.
- 5.3. **MODIFICATION OF AGREEMENT:** This MOU may only be modified by the written agreement of the Parties, duly signed by their authorized representatives.
- 5.4. **DISPUTES:** Any disputes relating to this MOU will, subject to any applicable law, regulation, or Executive Order, be resolved by consultation between the Parties.
- 5.5. **TERMINATION OF AGREEMENT:** This MOU may be terminated in writing at will by either Party.
- 5.6. **TRANSFERABILITY:** This MOU is not transferable except with the written consent of the Parties.
- 5.7. **ENTIRE AGREEMENT:** It is expressly understood and agreed that this MOU embodies the entire agreement between the Parties regarding the MOU's subject matter.
- 5.8. **EFFECTIVE DATE:** This MOU takes effect beginning on the day after the last Party signs.
- 5.9. **EXPIRATION DATE:** This MOU expires on July 30, 2025.

AGREED:

FOR WAYNE COUNTY



Chip Crumpler, County Manager

6/3/2025

Date

FOR THE WAYNE COUNTY PUBLIC SCHOOLS

Dr. Marc Whichard, Superintendent

Date

PRE-AUDIT CERTIFICATE

This instrument has been pre-audited in the manner required by the School Budget and Fiscal Control Act.

Finance Officer

Date

**NOTICE
FILING OF BUDGET ESTIMATE AND PUBLIC HEARING**

Notice is hereby given the County Manager's proposed budget for Wayne County for the fiscal year beginning July 1, 2025, was presented to the Wayne County Board of Commissioners on May 20, 2025, and a copy thereof is on file for public inspection in the office of the Clerk to the Board in Room 470 in the Wayne County Courthouse Annex, 224 E. Walnut Street, Goldsboro, North Carolina. The budget is also available on the county website at www.waynegov.com.

Notice is hereby given the Wayne County Board of Commissioners will hold a public hearing at 9:30 a.m. on Tuesday, June 3, 2025, in the Commissioners' Meeting Room in the Wayne County Courthouse Annex, 224 E. Walnut Street, Goldsboro, North Carolina, at which time all citizens have a right to appear and give oral or written comments pertaining thereto. The public may view the hearing on www.youtube.com/@WayneCountyGovernment.

Written comments may be made to the Clerk to the Wayne County Board of Commissioners before the public hearing. The Clerk will make those written comments available to all members of the Wayne County Board of Commissioners prior to the Wayne County Board of Commissioners' vote on the budget.

WAYNE COUNTY BOARD OF COMMISSIONERS

Carol Bowden, Clerk to the Board

P.O. Box 227

Goldsboro, NC 27533-0227

carol.bowden@waynegov.com

May 20, 2025

Publish Date May 23 and 30, 2025

ORDINANCE #2025-1-OR: BUDGET ORDINANCE FOR FISCAL YEAR 2025-2026

FOR THE COUNTY OF WAYNE, NORTH CAROLINA

THAT WHEREAS, sound fiscal management requires the preparation, adoption, and administration of a budget to appropriate specific amounts of anticipated revenues to each area of County financial responsibility; and

WHEREAS, North Carolina General Statute 159-8 requires a balanced budget be adopted by the Wayne County Board of Commissioners prior to July 1st of each fiscal year, in conformance with the North Carolina Local Government Budget and Fiscal Control Act (codified as Article 3 of Chapter 159 of the North Carolina General Statutes); and

WHEREAS, the County Manager, as the Budget Officer for the County, has prepared and presented his proposed Budget as required by statute, and the Board of Commissioners has held the required public hearing on said Budget, reviewed it in detail and has made the changes it believes appropriate;

NOW THEREFORE BE IT ORDAINED by the Board of Commissioners of Wayne County, North Carolina, as follows:

SECTION I. BUDGET ADOPTION FOR FISCAL YEAR 2025-2026

There is hereby adopted the following budget for the County of Wayne, North Carolina for the fiscal year beginning July 1, 2025, and ending June 30, 2026, the same being adopted by department or agency within each fund as listed in this volume.

Since the budget is adopted on a basis as set forth above, designated department or agency budget directors, as specified herein, may transfer line-item appropriations between cost centers under their jurisdiction with the approval of the County Manager, and the County Manager is hereby authorized to approve said transfers. Appropriations may only be transferred between departments or agencies in a fund and between funds with the specific approval of the Board of Commissioners. Transfer of appropriations from the contingency account may only be approved by the Board of Commissioners. Additionally, all capital improvement appropriations, as budgeted in the County Capital Project Fund, may be transferred to the departmental line-item budget with the approval of the County Manager without being brought back to the Board of Commissioners for approval. All budget transfers, as referenced herein above, will be recorded in the minutes of the Board of Commissioners. Board action approving a contract shall be deemed to authorize necessary budget amendments.

SECTION II. TAX RATE LEVY

There is hereby levied for the fiscal year 2025-2026, a tax rate of **\$0.6259** per \$100.00 of assessed valuation, all of which is levied in the General Fund. The rate is based on an estimated collection rate of **98.37%** for ad valorem property taxes and **100.0%** for vehicle property taxes.

For the fiscal year 2025-2026, taxes at the rates indicated below per \$100.00 valuation of property located within the Special Fire Districts indicated below are hereby levied to provide revenue for said Special Fire Districts. These rates are based on an estimated collection rate of 98.37% for ad valorem taxes and 100.0% for vehicles taxes.

<u>Special Fire Districts</u>	<u>Tax Rate</u>
Arrington	.0800
Belfast	.0700
Boon Hill	.0900
Dudley	.0750
Elroy	.0650
Grantham	.0850
Indian Springs	.0800
Jordan's Chapel	.0850
Little River	.0750
Mar-Mac	.0700
Mosley Hall	.0900
Nahunta	.0800
New Hope W	.0750
Northeast Wayne	.0850
Northern Wayne	.0800
Oakland	.0800
Patetown	.0750
Pleasant Grove	.0750
Pricetown	.0900
Rosewood	.0700
Saulston	.0700
Seven Springs	.0900
Smith Chapel	.0900
Thoroughfare	.0850
Waylin	.0700

Special assessments for street lighting districts at the rates indicated below are hereby levied for the fiscal year 2025-2026 to offset street lighting expenses in those neighborhoods. These rates are based on an estimated collection rate of **98.37%** for ad valorem taxes and **100.0%** for vehicle taxes.

1. Each lot within SLSA District #5, Ashby Hills is hereby levied a special assessment of \$26.33 per lot. Said special assessment shall be in the nature of a tax lien on the property, and collection shall be enforced accordingly.
2. Each lot within SLSA District #1, Buck Run is hereby levied a special assessment of \$38.00 per lot. Said special assessment shall be in the nature of a tax lien on the property and collection shall be enforced accordingly.
3. Each lot within SLSA District #4, Falling Brook is hereby levied a special assessment of \$24.45 per lot. Said special assessment shall be in the nature of a tax lien on the property, and collection shall be enforced accordingly.

SECTION III. SCHOOL CURRENT EXPENSE AND CAPITAL OUTLAY

The annual allocation for school current expense is \$26,313,970. This includes an increase of \$1,318,000 intended to be used for teacher supplements. As was agreed upon by the Board of Commissioners, all previously itemized program appropriations with the exception of WISH and Pre-K funding have been consolidated into the school current expense allocation. These funds will all be distributed to the school system in monthly installments beginning FY25-26. The County currently funds nineteen (19) full-time school resource officers and six (6) part-time officers at an estimated total cost of \$1,734,664, of which approximately \$709,756 is anticipated to be reimbursed through contributions from the school state grant funding.

Thirty (30%) percent of the proceeds of the 1983 sales tax levy (Article 40) and sixty (60%) percent of the 1986 sales tax levy (Article 42) are set aside in a reserve fund for capital projects and to pay the debt service on the existing school construction debt. A total of **\$2,500,000** is appropriated for capital as an annual recurring allocation. All school capital project invoices shall be submitted to the county finance office for payment.

In accordance with the School Budget and Fiscal Control Act, the Board of Education is specifically required to submit to the Board of Commissioners, as soon as possible, a copy of the Board of Education's budget resolution. The school finance officer is requested to submit a monthly statement of the financial (income and balance sheets) condition of the administrative unit to the County Manager.

SECTION IV. BUDGET OFFICER

The County Manager is designated as the Budget Officer of the County.

Department managers may purchase capital equipment (line items 551000 to 559100) costing \$5,000.00 or more and non-capital furniture and equipment (line items 261 and 262) costing less than \$5,000.00 only for the approved item and amount designated in the budget. Purchase orders are required for items costing more than \$5,000.

Before any reclassification requests can be made for a county employee, the department manager must first have the approval of the County Manager. No reclassification of any position in the County Position Classification and Pay Plan can be made without a written resolution adopted by the Board of Commissioners.

SECTION V. PERIODIC FINANCIAL REPORTS

Each agency, entity, or department funded, or partially funded by the county where accounting is not done by the County is requested to present periodic reports comparing budgeted and actual revenues and expenses. Such reports are requested monthly. However, under special circumstances approved by the County Manager, the report may be provided quarterly. All departments, entities, or agencies funded, or partially funded by the County are requested to submit audits of their financial condition at the end of the fiscal year. The Wayne County Public Schools shall forward monthly the income and balance sheets for the public school system. Contracts with outside agencies detailing financial reporting requirements and performance standards will be executed by the agency and the County before payment is made to said agencies.

SECTION VI. FEES AND LICENSES

Charges for fees and licenses by county departments or agencies shall be in accordance with the current schedules hereby adopted by the Board of Commissioners in Attachment One of this Ordinance, by the State of North Carolina, or listed below. Such charges for solid waste disposal and additional rules for solid waste shall be as follows:

- A. The Wayne County Landfill will only accept solid waste generated in Wayne County.
- B. The entry into the landfill of any vehicle signifies the consent of the owner and driver for it to be searched so the county can ensure no hazardous or prohibited substance is brought into the landfill.
- C. There will be a charge of \$50.00 for each household in Wayne County. Each household in the county is subject to the fee unless it is located in a municipality that collects solid waste from the household. The bill for the household fee shall be directed to and paid by the owner of the real estate where the households are situated. Mobile home parks are exempted from the charge as were exempted by the Board of Commissioners in 2011.
- D. The household fee shall be billed with the ad valorem taxes and shall be payable at the same time and in the same manner as taxes. The first monies paid shall be applied to the solid waste fee. Interest on delinquent fees shall be the same as though the fee were ad valorem taxes. The annual household fee shall become a lien upon the real property as though it were ad valorem taxes.
- E. All haulers who must pay the per ton tipping fee or other charges shall pay when the solid waste is delivered to the landfill unless arrangements have been made with the Wayne County Finance Department for periodic billing. Billing will be accomplished in a manner as previously approved by the Wayne County Board of Commissioners. Interest will be charged as previously approved and credit shall be withheld under the guidelines previously adopted.

SECTION VII. PERSONNEL

- A. Travel Allowance – Travel allowance is authorized at the allowable United States Internal Revenue Service rate per mile for both in-county and out-of-county travel, to be taken out of budgeted travel allocations as authorized herein.
- B. Hospitalization Insurance – The County will self-insure for hospitalization insurance and has secured a contract with Blue Cross Blue Shield of North Carolina. Provisions have been made in the budget to pay the employer's share of the anticipated cost of hospitalization expenses under this plan. Employee shares of dependent coverage insurance premiums shall be payroll deducted.

The budget includes an appropriation for health insurance for Wayne County employees who began employment with the County before July 1, 2009, and retired on or after July 1, 1997, with 25 **continuous** years of County of Wayne service at any age. The eligible retiree will remain on the group plan until age 65, at which time the retiree shall be switched to a Medicare Plan F supplement policy. The retiree will also continue to receive a Medicare Part D pharmacy plan.

It is the intent of the Board of Commissioners to continue a wellness program for all county employees. The Commissioners strongly encourage employees to participate in this program. It is the opinion of the Commissioners that such a wellness program will result in healthier employees and fewer claims on the county's health insurance plan.

- C. County Holidays – County employees will abide by the same holiday schedule as the State of North Carolina.
- D. Longevity Payments – Longevity payments for county employees with 5 years or more of county service will be based on the salary as of July 1, 2025, and paid annually in the November payroll. Longevity will not be available to new employees hired after July 1, 2011.

SECTION VIII. CAPITAL RESERVES

A capital reserve fund is hereby established to account for financial resources generated from local government revenue sources to build fund balance for future capital projects designated by the Board of Commissioners as denoted in the county capital improvement plan approved by the Board of Commissioners.

SECTION IX. CAPITAL PROJECT ORDINANCES

At this time, no additional Capital Project Ordinances are required for FY 2025-2026. Following studies by outside consultants, the County may appropriate some funds for new or existing Capital Project Ordinances.

SECTION X. BUDGET POLICY

It is the policy of this Board of Commissioners that it will not absorb any reduction in state and federal funds. Any decrease shall be absorbed in the budget of the affected agency by reducing personnel or program expenditures to stay within the county appropriation authorized.

This policy is extended to any agency that is funded or partially funded by the county and receives state or federal money. This shall remain in effect until otherwise changed or amended by the Board of Commissioners. The County Manager is hereby directed to indicate this to each of the agencies that may be involved.

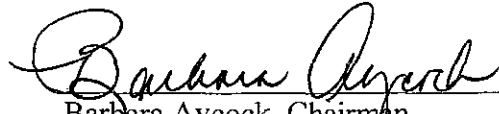
SECTION XI. FISCAL CONTROL ACT

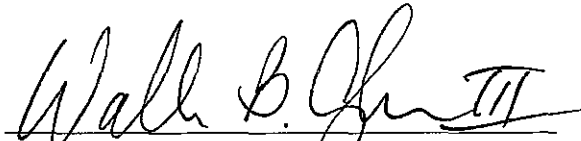
The County Manager and the Finance Director are hereby directed to make any changes in the budget or fiscal practices that are required by the Local Government Budget and Fiscal Control Act. Any changes made by this authorization shall be reported to the Board of Commissioners as they are made and approved by the Board of Commissioners.

As provided by NCGS 59-25(b), the Board of Commissioners has authorized dual signatures for each check or draft made on County funds. The signatures of the County Manager or Chairman of the County Commissioners and the Finance Director, following proof or warrant, shall be the authorized signatures of the county.

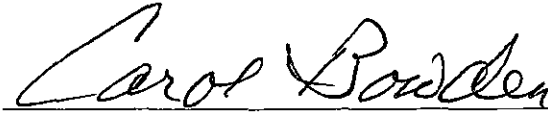
[SIGNATURE PAGE TO FOLLOW]

This ordinance being duly passed and adopted this 3rd day of June 2025.


Barbara Aycock, Chairman
Wayne County Board of Commissioners


Walter B. Crumpler, III, County Manager
and Budget Officer




Carol Bowden
Clerk to the Board

Journal Proof Report



Journal Number: 23 Year: 2025 Period: 12 Description: Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
Formatted Project String						
BUA	4688100-558000	Capital Out-Bldg Struct & Impr			\$183193.96	
	E-C220001 -DSS/Health-FF&E -					
BUA	4688100-558000	Capital Out-Bldg Struct & Impr				\$183193.96
BUA	4678100-558000	Capital Out-Bldg Struct & Impr			\$19992.60	
	E-C220003 -Detention -FF&E -					
BUA	4678100-558000	Capital Out-Bldg Struct & Impr				\$19992.60
Journal 2025/12/23				Total	\$203186.56	\$203186.56

Journal Proof Report



Journal Number: 22 Year: 2025 Period: 12 Description: Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104310-526200	Non-Capital Computer Equipment			\$1280.00	
BUA	1104310-525100	Vehicle Supplies-Fuel/Diesel				\$1280.00
Journal 2025/12/22				Total	\$1280.00	\$1280.00

Journal Proof Report



Journal Number: 21 Year: 2025 Period: 12 Description: Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104311-537000	Advertising			\$3500.00	
BUA	1104311-525100	Vehicle Supplies-Fuel/Diesel				\$3500.00
Journal 2025/12/21				Total	\$3500.00	\$3500.00

Journal Proof Report



Journal Number: 20 Year: 2025 Period: 12 Description: Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	6676160-595110	Purchase of Inventory-Alcohol				\$250.00
BUA	6676160-521200	Uniforms			\$250.00	
			Journal 2025/12/20	Total	\$250.00	\$250.00