



Distributors of Explosives

636 PADEN ROAD
New Galilee, PA 16141

Business Phone:
(724) 336-4501
(724) 336-5153
FAX (724) 336-3818

Brownfield Road C&D Landfill
2600 Brownfield Road
Raleigh, NC 27610
DNR Permit 92-31
Blast Plan

BLAST LOCATION	TBD
NUMBER HOLES	150 max
SPACING	10' max
BURDEN	10' max
DEPTH	36' max
STEMMING	7-10' max
HOLE DIAMETER	4.5" max
LBS PER DELAY	250# max
DELAY INTERVALS	150 max
SCALED DISTANCE	35 min
INITIATION	NON-ELECTRIC
SEISMOGRAPH	1 ea
SEISMIC LOCATION	CLOSEST DWELLING
BLASTING MATS	NA
POWDER FACTOR/YD	1.5 MAX
Stations #	TBD
Structures:	None within 1000 ft

WARNING SIGNALS: Three (3) audible horns/sirens of ten seconds each, 2 minutes before detonation of the blast. Two (2) audible horns/sirens of ten seconds, one minute before detonation. The all clear audible horn will be sounded for twenty (20) seconds after the blast.

Procedure for Blasting

1. Project Designations

Blasters on site: Robert McConaughy, Joe Wilhelm, & Bill Wagner

2. Safety and Health Requirements.

Audible warning signals will be done with a siren.

No on site storage of explosives. Wampum Hardware Co. will deliver to the job.

Pre-blast surveys will done on dwellings within 1000 feet of blast area.

Both air and PPV will be monitored at the closest dwellings, structures and utilities.

Seismographs will be done by Wampum Hardware Co.

Fly rock control will be prevented by using safe confinement calculations and blasting mats when needed.

3. Methods and Procedures

Pneumatic drills will be used

Hole diameter for production blasting boreholes a max. of 4.5"

Drill pattern to be determined rock size breakage.

All blasting will be done with non-electric detonators

Type of explosives:

Manufacturer	DYNO Nobel & Wampum Hardware Co.
Types	High Explosives & Blasting agents
Dimensions	2x8 up to 5.5 x 35
Weight	1/2Lb to 35 lb sticks

Type of Detonators

Manufacture	DYNO Nobel
Type	Nonel
Delays	17, 25, 33, 67, 84 100 350, 500 ms

Loading Parameters

Maximum powder factor	1.5 lbs per cubic yard
Maximum Weight/delay	250 lbs delay

Detonator Delay Pattern

Blast will be designed so that no more than 250 lbs will detonate within 8 milliseconds. The delay pattern will vary on each blast.



**Blasting Plan
Phase 2, Cell A**

**WCA Waste Corporation
Raleigh Brownfield Road Landfill**



CERTIFICATE OF LIABILITY INSURANCE

OP ID MB
WAMPU-1

DATE (MM/DD/YYYY)

06/21/10

PRODUCER First Nat'l Ins - Chippewa 110 Central Square Dr. Suite B Beaver Falls PA 15010 Phone: 724-846-1550 Fax: 724-846-0845	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Wampum Hardware Co. 636 Paden Road New Galilee PA 16141	INSURER A: Ins Co of the State of PA	19445
	INSURER B: *National Union Fire Ins Co	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
B		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO. JECT <input type="checkbox"/> LOC	GL1595372	07/01/10	07/01/11	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	\$ 1,975,000 \$ 100,000 \$ 5,000 \$ 1,975,000 \$ 2,000,000 \$ 2,000,000
B		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	CA1606939	07/01/10	07/01/11	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	\$ 2,000,000 \$ \$ \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	\$ \$ \$
B		EXCESS / UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$10,000	BE1058482	07/01/10	07/01/11	EACH OCCURRENCE AGGREGATE	\$ 20,000,000 \$ 20,000,000 \$ \$ \$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below Y/N <input type="checkbox"/>	WC3621283	07/01/10	07/01/11	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	\$ 1,000,000 \$ 1,000,000 \$ 1,000,000
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

CANCELLATION

PA Dept of Environmental Protection, Bureau of Mining & Reclamation, State Office Bldg. PO Box 8461 Harrisburg PA 17105

PADEPT

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE



LICENSE/PERMIT (18 U.S.C. CHAPTER 40, 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/permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. See "WARNING" and "NOTICES" on back.

DIRECT ATF CORRESPONDENCE TO Christopher R. Reeves Chief, Federal Explosives Licensing Center (FELC) Bureau of Alcohol, Tobacco, Firearms and Explosives 244 Needy Road Martinsburg, West Virginia 25405 Telephone: 1-877-283-3352 Fax: 1-304-616-4401

LICENSE PERMIT NUMBER 8-PA-007-20-2C-00015 EXPIRATION DATE March 1, 2012

8-PA-007-20-2C-00015

March 1, 2012

NAME WAMPUM HARDWARE CO Premises Address CHANGES? You must notify the FELC at least 10 days before the mo 636 PADEN RD NEW GALILEE, PA 16141-0000

TYPE OF LICENSE OR PERMIT 20-MANUFACTURER OF HIGH EXPLOSIVES

CHIEF, FEDERAL EXPLOSIVES LICENSING CENTER (FELC) Christopher R. Reeves Christopher R. Reeves

PURCHASING CERTIFICATION I certify that this is a true copy of a license/permit issued to me to engage in the activity specified.

(SIGNATURE OF LICENSEE/PERMITTEE)

Mailing Address CHANGES? You must notify the FELC at least 10 days before the chanx WAMPUM HARDWARE CO 636 PADEN RD ATTN IAN ANDERSON NEW GALILEE, PA 16141-0000

The licensee/permittee named herein shall use a reproduction of this license/permit to assist a transferor of explosives to verify the identity and status of the licensee/permittee as provided in 27 CFR Part 555. The signature on each reproduction must be an ORIGINAL signature.