

APPLICATION TO OPERATE A FACILITY
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS RESOURCES MANAGEMENT
2045 MORSE ROAD, BUILDING F-2
COLUMBUS, OHIO 43229-6693
(614) 265-6922

1. Name of Applicant: <u>Liquid Waste Solidification LLC</u> Phone #: <u>330-502-4454</u>	
Address: <u>2337 Watson Marshall Rd McDonald, OH 44437</u>	
Date: <u>12/19/13</u> eMail Address: <u>John@liquidwastesolidificationllc.com</u>	
For an Order or a Permit to Operate: <input checked="" type="checkbox"/> Existing Facility <input type="checkbox"/> New Facility	
2. PURPOSE OF FACILITY: <input type="checkbox"/> Storage <input type="checkbox"/> Recycling <input checked="" type="checkbox"/> Treatment (Check all that Apply) <input checked="" type="checkbox"/> Processing <input checked="" type="checkbox"/> Disposal	
3. TYPE OF MATERIAL: <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Drill Cuttings <input checked="" type="checkbox"/> Drilling Mud <input type="checkbox"/> Other Waste Substance (explain) _____	
4. If a Business Entity, list the statutory agent and include a certified copy of their appointment: Name: <u>N/A</u> Address: _____	
5. Engineer of Record: Name: <u>N/A</u> Address: _____ Ohio Professional Engineering License Number: _____	
6. Address of Facility: Address: <u>440 South Third St Steubenville, OH 43952</u> County: <u>Jefferson</u> Township: <u>N/A</u> Municipal Corporation: <u>Steubenville</u> Latitude: <u>40°21'4.50"N</u> Longitude: <u>80°37'3.39"W</u>	
7. Write a brief description of the facility and operations: <u>Liquid Waste Solidification LLC is a Pre Frac Non Hazardous solidification facility. We solidify 100% of all liquids that are brought into our facility. We are a fully indoor facility on a concrete floor without any floor drains in our entire facility. We empty the waste into our 1/2" thick steel bins that are 6' deep 10' wide and 30' long. We then add solidification agents such as saw dust and quick lime and mix with an excavator. Once the material is to a point that it will pass the paint filter tests we then load it into a truck and ship it to our local landfill APEX. Our process requires testing of the material when it arrives to assure that it is all pre frac non hazardous material and to ensure it isn't flow back. It is manifested and tracked from the point of origin the rig site, to the haulers, to Liquid Waste Solidification LLC, and then to its final disposal site APEX Landfill. We are a newer facility average handling anywhere from 100 to 500 barrels a week presently.</u>	
8. An application for a facility shall include the information Application for Order. Attach Additional Documents	

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct, and complete, to the best of my knowledge.

I certify that the facility will comply with or is currently in compliance with all provisions of Chapter 1509 ORC, Chapter 1501 OAC, and all terms and conditions of orders and permits issued by the Chief, Division of Oil and Gas Resources Management.

Signature of Authorized Agent _____

Name (Type or Print) John Ackworth

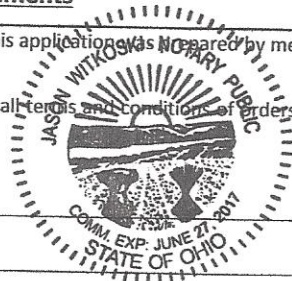
Title VP

Sworn to and subscribed before me this the 19th

day of December

20 13

(Notary Public)





00/27/2017
(Date Commission Expires)



Google earth

feet
meters

1000

400



View of full facility
Red line Highlights road way to LWS Building
Blue line Highlights facility Building.
Half Building being used by us now second half available
for future growth.



----- - High light current facility space.



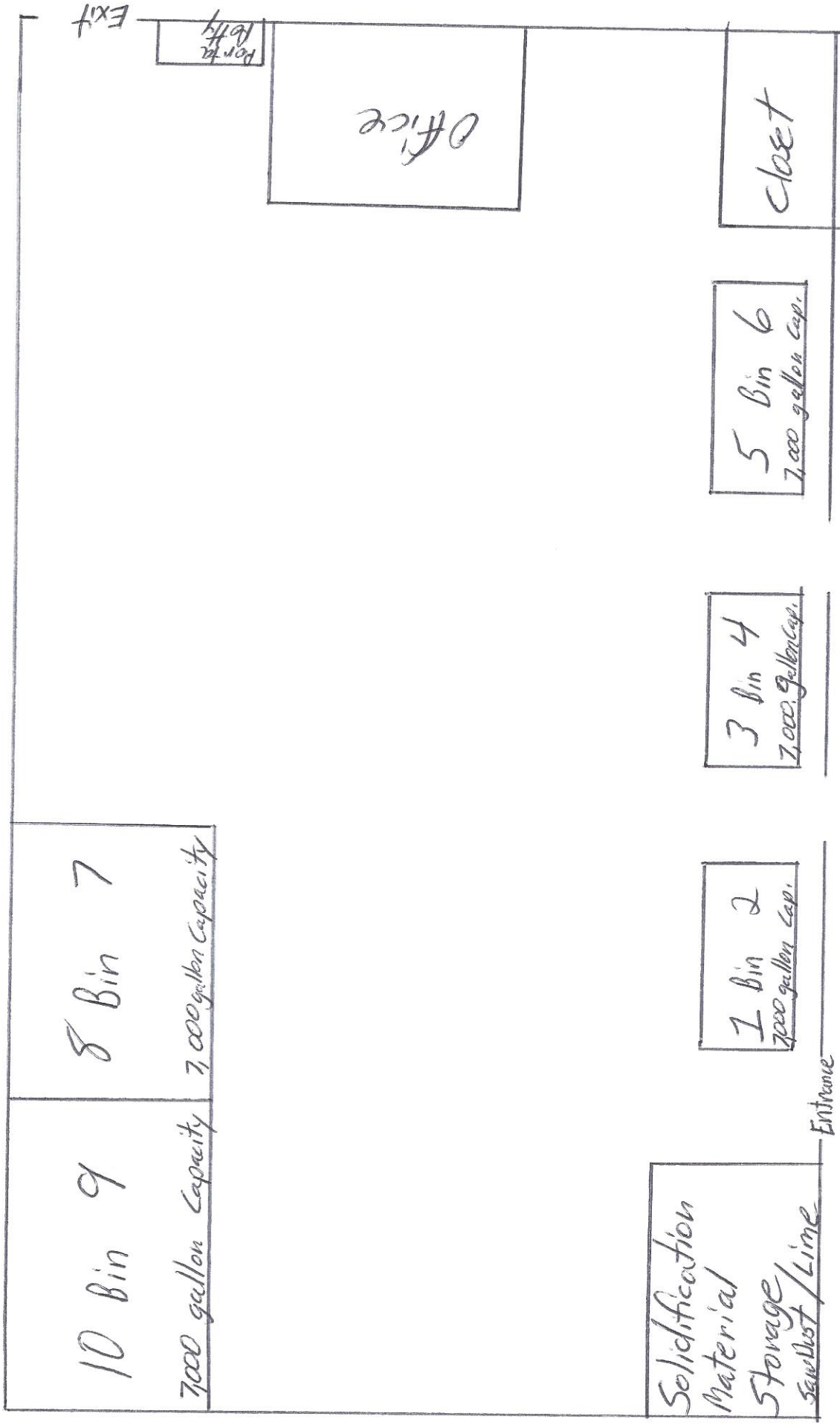
Google earth

feet 100
meters 40



If needed truck scale on site

Facility Interior Layout. Schematic Storage & Capacity



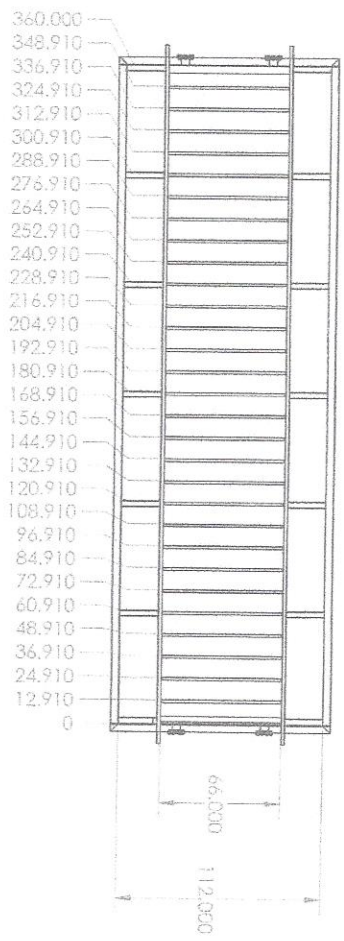
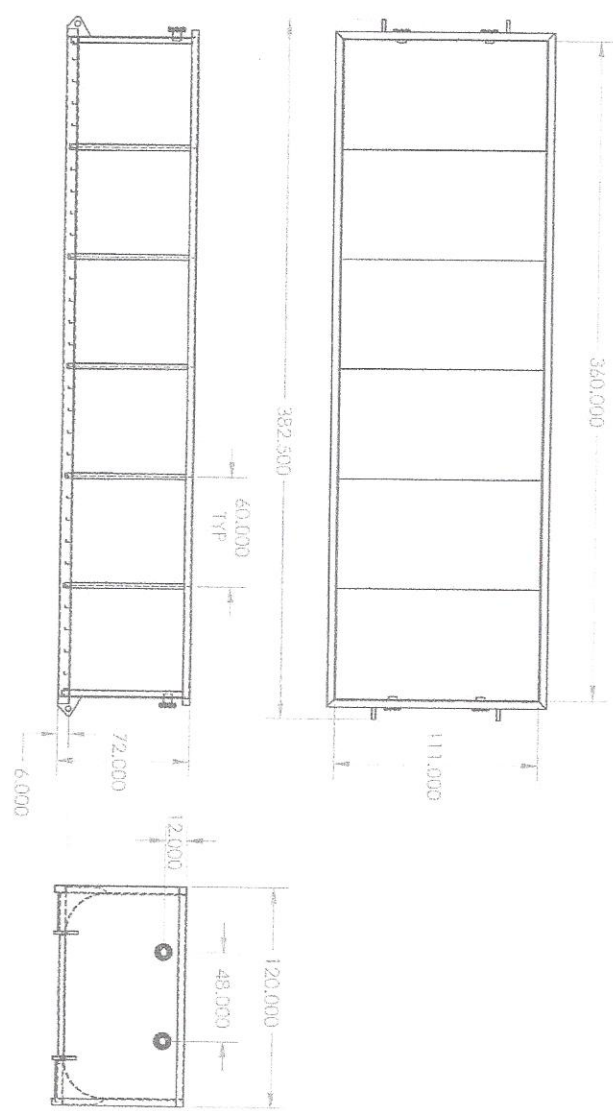
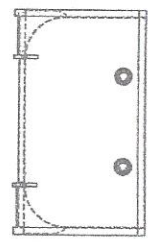
Each Bin is 6' Deep 10' wide 30' Long.

Each Bin holds up to 7,000 gallons & can be turned twice a day.

Facility Capabilities: 35,000 gallons Capacity, can be turned twice a day (70,000 gal. per day)

Facility could handle up to 600,000 Barrels Per Year

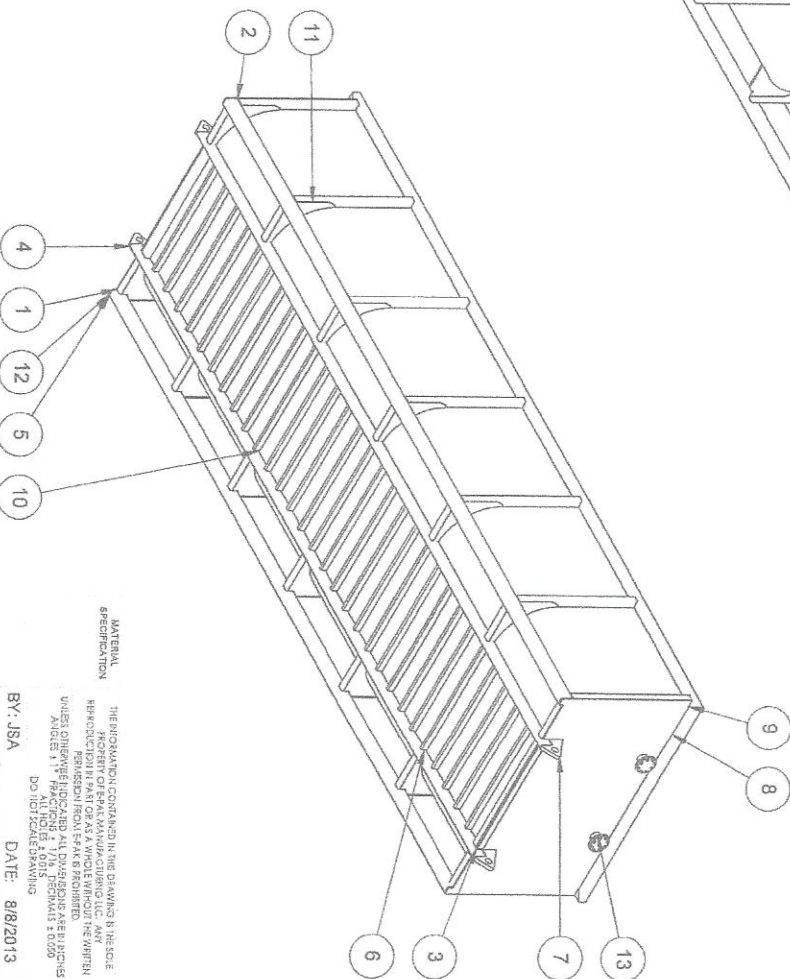
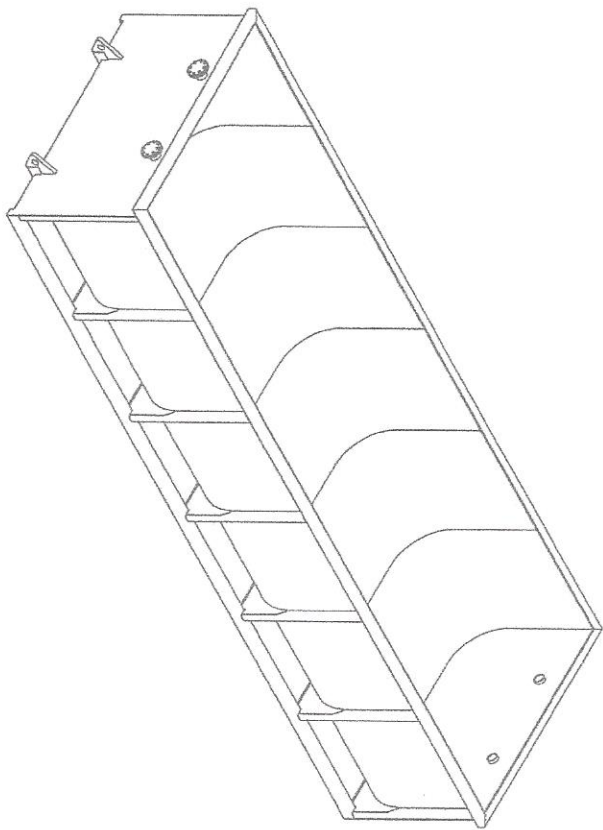
8 7 6 5 4 3 2 1



REV.	INITIAL RELEASE	DESCRIPTION	DATE	APPROVED
A			8-8-13	JSA

8 7 6 5 4 3 2 1

E-PAK MANUFACTURING
TITLE: TANK ASSY, RC, 72"H X 120"W X 360"L
BY: JSA DATE: 8/8/2013
WGT: 18771.94 SHEET 1 OF 2
PART NO. 41003600-360



ITEM	PART NUMBER	QTY.	DESCRIPTION	Weight
1	11430401-21	14	TUBE, RECT., 3" X 4" X 3/16" X 21" LG.	14.26
2	11430401-62	14	TUBE, RECT., 3" X 4" X 3/16" X 62" LG.	42.09
3	11430401-66	2	TUBE, RECT., 3" X 4" X 3/16" X 66" LG.	44.81
4	11460203-369	2	TUBE, RECT., 6" X 2" X 3/8" X 369" LG.	527.74
5	11460403-360	2	TUBE, RECT., 6" X 4" X 3/8" X 360" LG.	671.32
6	11703035-65.2	30	CHANNEL, C3 X 3.56# X 65-1/4", A36	19.54
7	41003504	4	NOSE CONE	29.80
8	41003510-120	2	TOP RAIL, TUBE, 4" X 4" X 3/16" X 120" LG.	91.09
9	41003510-369	2	TOP RAIL, TUBE, 4" X 4" X 3/16" X 369" LG.	286.62
10	41003601-66	6	BODY SKIN, 1/2" X 112" W X 65-1/2" H X 60" L	1900.09
11	41003602	24	GUSSET, BOLSTER STIFFENER	8.70
12	41003603-72	2	BULKHEAD, MIX TANK, 72" X 120"	1158.52
13	45000100-4	4	PORTAL ASSY, 4", BLIND SEALED FLNG.	27.01

WATER
RESISTANT

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF E-PAK MANUFACTURING AND IS NOT TO BE
REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN
PERMISSION FROM E-PAK MANUFACTURING.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES
AND DECIMALS ARE TO BE ROUNDED UP TO THE NEXT
HIGHER DECIMAL.

DO NOT SCALE DRAWING

BY: JSA

DATE: 8/8/2013

WGT: 18771.94

SHEET 2 OF 2

PART NO. 41003600-360

E-PAK MANUFACTURING

TANK ASSY, RC, 72" H X 120" W X 360" L



Carmeuse Lime & Stone
11 Stanwix Street, 21st Floor
Pittsburgh, PA 15222
Phone: 412-995-5500
Fax: 412-995-5594

Date of Origin: 06/05/2002

Date of Revision: 9/14/2012

Revision No. 13

Material Safety Data Sheet

Product Name:

DOLOMITIC QUICKLIME

** Lime only being used for binding moisture in solidification.*
INFOTRAC: 800-535-5053 [In case of an emergency call this number 24 HOURS a day 7 DAYS a week.]

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1. Identification of the substance:

Chemical name: Calcium magnesium oxide
Product name: InjectoLime™ Pebble Lime-Large, Pebble Lime-Small, Pebble Lime-Rescreened, Mini Pebble, Pebble Lime, Rice, Fines, Pulverized Lime, Dolopel, Dolopel Fines, HD Dolopel
Formula: MgO · CaO
CAS #: 37247-91-9
Molecular Weight: 96.38
Material Uses: Water treatment, steel flux, caustic agent, pH adjustment, acid gas absorption, construction

1.2. Company:

Main Office:

11 Stanwix Street, 21st Floor
Pittsburgh, PA 15222

Telephone: 412-995-5500
Fax: 412-995-5594

Canadian Office:

P.O. Box 190
Ingersoll, Ontario N5C 3K5

Telephone: 519-423-6283
Fax: 519-423-6545

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>% by Weight</u>	<u>CAS #</u>	<u>Exposure Limits</u>
Calcium oxide	> 55	1305-78-8	OSHA PEL: 5 mg/m ³ ACGIH TLV: 2 mg/m ³ O. Reg. 833 TWAEV: 2 mg/m ³
Magnesium oxide	> 21	1309-48-4	OSHA PEL: 10 mg/m ³ ACGIH TLV: 10 mg/m ³ O. Reg. 833 TWAEV: 10 mg/m ³
Iron Oxide	< 2	1309-37-1	OSHA PEL: 10 mg/m ³ ACGIH TLV: 5 mg/m ³ O. Reg. 833 TWAEV: 5 mg/m ³
Silica - crystalline quartz	< 2	14808-60-7	OSHA PEL*: 7.5 mg/m ³ (total dust); 2.5 mg/m ³ (respirable) ACGIH TLV: 0.025 mg/m ³ (respirable) O. Reg. 845: 0.1 mg/m ³

*PEL (total dust) = (30 mg/m³) / (% silica + 2); PEL (respirable) = (10 mg/m³) / (% silica + 2)

Product Name:	DOLOMITIC QUICKLIME (continued)
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3. HAZARDS IDENTIFICATION AND CLASSIFICATION

Overview:	Dolomitic Quicklime is in the form of lumps, pebbles, granules or powder and is odorless, white or grayish-white in color. Contact can cause irritation to eyes, skin, respiratory system, and gastrointestinal tract. Contact may aggravate disorders of eyes, skin, gastrointestinal tract, and respiratory system.
Eyes:	Can cause severe irritation or burning of eyes, including permanent damage.
Skin:	Can cause severe irritation or burning of skin, especially in the presence of moisture.
Ingestion:	Can cause severe irritation or burning of gastrointestinal tract if swallowed.
Inhalation:	Can cause severe irritation or the respiratory system. Long-term exposure may cause permanent damage. Dolomitic Quicklime is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain crystalline quartz silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.
Irritant:	Eyes, mucous membranes, moist skin, respiratory tract.
Flammability:	This product is not flammable or combustible
Explosive:	This product is not explosive in dust form
Reactivity:	May react violently with strong acids producing heat and possible steam explosion in confined space
Symbols:	WHMIS Symbol: "E" Corrosive Material; "D2A" Materials causing other toxic effects

4. HEALTH EFFECTS AND TREATMENTS

Health Effects:

Inhalation:	<u>Acute:</u> irritation, sore throat, cough, sneezing. <u>Chronic:</u> persistent coughing and breathing problems. Long-term exposure to silica can cause a chronic lung disorder, silicosis.
Eyes:	<u>Acute:</u> severe irritation, intense tearing, burns. <u>Chronic:</u> possible blindness when exposure is prolonged.
Skin:	<u>Acute:</u> removes natural skin oils, blotches, itching and superficial burns in case of sweating. <u>Chronic:</u> no known effects.
Ingestion:	<u>Acute:</u> sore throat, stomach aches, cramps, diarrhea, vomiting. <u>Chronic:</u> no known effects.

Treatments:

Inhalation:	Move victim to fresh air. Seek medical attention if necessary. If breathing has stopped, give artificial respiration.
Eyes:	Immediately flush eyes with large amounts of water for at least 15 minutes. Pull back the eyelid to make sure all the lime dust has been washed out. Seek medical attention immediately. Do not rub eyes.
Skin:	Flush exposed area with large amounts of water. Seek medical attention immediately.
Ingestion:	Give large quantities of water or fruit juice. Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing.

Product Name:	DOLOMITIC QUICKLIME (continued)
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5. FIRE FIGHTING MEASURES

Flash point:	Non-flammable
Autoignition temperature:	Non-flammable
Inflammability limits:	None
Explosion risk:	None by itself, but heat produced by reaction with strong acids can generate steam and pressure
Hazardous combustion products:	None
Extinguishing media:	Use dry chemical fire extinguisher. Do not use water or halogenated compounds, except that large amounts of water may be used to deluge small quantities of hydrated lime. Use appropriate extinguishing media for surrounding fire conditions.
Fire fighting instructions:	Keep personnel away from and upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (self-contained breathing apparatus).

6. ACCIDENT PREVENTION MEASURES

Individual and collective precautions:	Avoid creating conditions which release dust – use mechanical ventilation to remove dust from work spaces
Avoid inhalation of dust:	Wear respiratory protection - minimum NIOSH N-95 Dust Mask
Cleaning methods for spills:	Use personal protective equipment (eyes, skin and inhalation, see Section 8). Use dry methods (vacuuming, sweeping) to collect spilled materials. Avoid generating dust. For large spills, evacuate area downwind of clean-up area operations to minimize dust exposure. For small spills, store spilled materials in dry, sealed plastic or metal containers. Dust residue on surfaces may be washed with water.
Precautions for the protection of the environment:	May not be released into surface waters without controls (increases pH)
Waste Disposal:	Dispose according to federal, provincial/state and local environmental regulations

7. HANDLING AND STORAGE

Handling:	In open air or in ventilated places, avoid skin and eye contact, avoid creating airborne dust
Storage:	Store in dry places sheltered from humidity. Keep away from acids and incompatible substances Keep out of reach of children

Product Name:	DOLOMITIC QUICKLIME (continued)
8. EXPOSURE CONTROL / PERSONAL PROTECTION	
Exposure Limits:	Calcium oxide: 5 mg/m ³ (OSHA); 2 mg/m ³ (ACGIH, O. Reg. 833); Magnesium oxide: 15 mg/m ³ (OSHA); 10 mg/m ³ (ACGIH, O. Reg. 833) Iron oxide: 10 mg/m ³ (OSHA); 5 mg/m ³ (ACGIH, O. Reg. 833) Silica (crystalline quartz): 7.5 mg/m ³ (total dust); 2.5 mg/m ³ (respirable) (OSHA); 0.05 mg/m ³ (respirable - ACGIH); 0.1 mg/m ³ (O. Reg. 845)
Engineering Controls:	Use ventilation and dust collection to control exposure to below applicable limits.
Respiratory Protection:	Wear NIOSH N-95 Dust Mask.
Eye Protection:	Eye protection (chemical goggles, safety glasses and/or face shield) should be worn where there is a risk of lime exposure. Contact lenses should not be worn when working with lime products
Hand Protection:	Use clean dry gloves
Skin Protection:	When there is a risk of skin contact, wear suitable clothing to prevent such contact.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Solid
Odor & Appearance:	Odorless, white, grayish-white powder
pH:	12.4 in saturated water solution at 25°C
Melting point:	2570° C
Boiling point:	2850° C
Vapor pressure:	Non volatile
Vapor density:	Non volatile
Specific Gravity:	2.0 – 2.8
Solubility:	Reacts with water to produce Ca(OH) ₂ and Mg(OH) ₂ with large amounts of heat. Soluble in acids, glycerin and sugar solutions
10. STABILITY AND REACTIVITY	
Stability:	Reacts with water to form Ca(OH) ₂ , Mg(OH) ₂ and heat.
Decomposition temperature:	None
Reactivity:	Reacts with acids to form calcium salts while generating heat. Reacts with carbon dioxide in air to form calcium carbonate.
Conditions to avoid:	Vicinity of incompatible materials
Incompatible materials:	Acids; reactive fluoridated, brominated or phosphorous compounds; aluminum (may form hydrogen gas), reactive powdered metals; organic acid anhydrides; nitro-organic compounds; interhalogenated compounds
Hazardous decomposition products:	None

Product Name:	DOLOMITIC QUICKLIME (continued)
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11. TOXICOLOGICAL INFORMATION

Toxicity:	This product is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled in the form of quartz or cristobalite. No reported Carcinogenicity, Reproductive Effects, Teratogenicity or Mutagenicity.
Exposure Limits:	Refer to Section 8
Irritancy:	Can cause severe irritation of eyes, skin, respiratory tract and gastrointestinal tract.
Chronic Exposure:	Inhalation of silica can cause a chronic lung disorder, silicosis.

12. ECOLOGICAL INFORMATION

Alkaline substance that increases pH to a maximum of 12.4 in a saturated water solution at 25°C
Calcium magnesium oxide gradually reacts with CO ₂ in air to form calcium carbonate (CaCO ₃)
Calcium carbonate is ecologically neutral
Uncontrolled spillage in surface waters should be avoided since the increase pH could be detrimental to fish
Harmful to aquatic life in high concentration

13. DISPOSAL CONSIDERATIONS

Dispose according to federal, provincial/state and local environmental regulations.

14. TRANSPORTATION INFORMATION

Classification:	TDG	Not listed for ground transportation
	HMR	Not listed for ground transportation
TDG: Transportation of Dangerous Goods Regulation (CAN) HMR: Hazardous Materials Regulation (USA)		

Product Name:

DOLOMITIC QUICKLIME (continued)

15. REGULATORY INFORMATION

Symbol:

WHMIS RATING

D2A, E

NFPA RATING

HEALTH - 3 SPECIFIC HAZARD - ALK FLASH POINTS - 0 REACTIVITY - 1

HMIS RATING

HEALTH - 2 SPECIFIC HAZARD - ALK FLASH POINTS - 0 REACTIVITY - 1

Risk Phases:

Risk of serious damage to the eyes
Keep out of reach of children

Safety Phases:

Keep storage container away from humidity
Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water for at least 15 minutes

CPR (Canada):

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) of Canada and this MSDS contains all information required by the CPR.

16. MISCELLANEOUS OTHER INFORMATION

Lime dust can be removed from objects (such as vehicles) using rags dampened with dilute vinegar. After applying dilute vinegar, vehicles (especially chrome surfaces) must be washed with water.

The information contained herein is believed to be accurate and reliable as of the date hereof. However, Carmeuse makes no representation, warranty or guarantee as to results or as to the information's accuracy, reliability or completeness. Carmeuse has no liability for any loss or damage that may result from use of the information. Each user is responsible to review this information, satisfy itself as to the information's suitability and completeness, and circulate the information to its employees, customers and other appropriate third parties.

440 South 3rd St.
Steubenville, OH 43952
(330) 502-4454



Date: _____
Time: _____ AM/PM

NON-HAZARDOUS WASTE MANIFEST

Document No: LWS 22222112

SECTION 1 THIS SECTION TO BE COMPLETED BY GENERATOR:			
GENERATOR NAME		ADDRESS	CONTACT NAME/PHONE NO.
CITY	STATE	ZIP CODE	
NAME OR DESCRIPTION OF NON HAZARDOUS MATERIAL TRANSPORTED			
GENERATOR SITE NO./ PAD NAME		ADDRESS	COUNTY
CITY	STATE	ZIP CODE	
IN CASE OF AN EMERGENCY OR SPILL CONTACT	NAME	PHONE	24-HR EMERGENCY NO.
I hereby certify that the above named Non-Hazardous Material(s) are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the DOT/ODOT and the EPA.		GENERATOR SIGNATURE	DATE
SECTION 2 THIS SECTION TO BE COMPLETED BY THE HAULER/TRANSPORTER:			
COMPANY NAME		ADDRESS	PHONE NO.
CITY	STATE	ZIP CODE	
TRUCK I.D. NO.	STATE	BIN #	BARRLS
		JOB /REFERENCE NO.	
TRANSPORTATION CONTAINER TYPE			
<input type="checkbox"/> WATER TRUCK <input type="checkbox"/> VAC TRUCK <input type="checkbox"/> VAC BO <input type="checkbox"/> OTHER: _____			
I hereby certify that the above described material(s) were accepted for transportation at the Generator's Site and delivered to and off-loaded at the Non-Hazardous Waste Facility, both as listed.		PRINT DRIVER'S NAME	DATE
		DRIVER'S SIGNATURE	
SECTION 3 THIS SECTION TO BE COMPLETED BY SOLIDIFICATION FACILITY:			
<input type="checkbox"/> Sawdust <input type="checkbox"/> Lime <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____			
<input type="checkbox"/> Light Solids/Mud <input type="checkbox"/> Medium/Heavy Solids/Mud <input type="checkbox"/> Heavy Solids/Mud <input type="checkbox"/> Cement Solids/Oil Based Mud <input type="checkbox"/> Other: _____			
I hereby certify that the above described materials were delivered to this Facility, that the Facility is authorized and permitted to receive such Non-Hazardous Material/Waste.			
SECTION 4 THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL SITE:			
FACILITY NAME		ADDRESS	PHONE NO.
CITY	STATE	ZIP CODE	
COMMENTS			
I hereby certify that the above described materials were delivered to this Facility, that the Facility is authorized and permitted to receive such Non-Hazardous Material/Waste.		AUTHORIZED SIGNATURE	DATE

QUANTITY TO BE DETERMINED AT DISPOSAL FACILITY
SOLIDIFICATION FACILITY - COPY 1

Disposal Manifest No: _____

Number LWS Manifest 00000001 , 00000002 , 00000003

SOLIDIFICATION FACILITY - COPY 1
HAULER/TRANSPORTER - COPY 2
DISPOSAL FACILITY - COPY 3

Please make sure "Transportation" is corrected

Hi-Ligheted Yellow

4/1/2014 10:10:10 AM

Liquid Waste Solidification LLC (LWS)
Operational Plan for
Ohio Department of Natural Resources (ODNR)

LWS is a solidification company for the oil and gas industry. LWS will be only dealing with PRE FRAC NON HAZARDOUS material. LWS operation will be located at 440 South 3rd Street in Steubenville, Ohio 43952. It will be ran out of an old steel mill that is a 58,000sf warehouse. The warehouse is a steel building sitting on 36" thick concrete flooring. There is no plumbing in the building currently and will remain that way. LWS will be bringing in porta potties for restroom facilities for employees. LWS will be complying with all federal, state, and local laws and regulations. LWS will have all necessary permitting and licensing from the local governing agencies. LWS will be solidifying every drop of liquid that comes in its doors and disposing of it at select landfills. LWS will not be removing any dirty surface waters and trying to clean it, it will all be solidified.

Material Process:

Material will be trucked in by sub contractors hired by the rig sites.

Upon arriving at LWS the driver will come into the office and login with the following information:

1. Site of material origination
2. Type and amount of material
3. Transporting Trucking companies Information
4. Truckers name, Drivers license number, Truck number, Manifest #, Truck type
5. Time / Date In

(Truck drivers will sign for their hauling company, the rig site company, as well as personally stating that all information he provided is true and accurate)

Trucker will be then assigned a bin number to take his material to and be given a material ticket for the LWS employee that assists in the unloading to verify material amounts and type.

Upon arriving at the assigned bin a containment catch container will be placed under the rear of the truck to catch any and all material that may leak out during transfer of material.

Upon completion of transfer of material the truck driver will have their ticket signed by the LWS employee verifying the material consistency was what driver claimed as well as the amount, and that it was placed in the proper bin.

*Plan subject to change at any time to better the company.

Liquid Waste Solidification LLC (LWS)
Operational Plan for
Ohio Department of Natural Resources (ODNR)

Driver will then take ticket to office window to sign and log out and be given his receipt.

Once material is in bin depending on the material and consistency of it an LWS employee will choose which solidification material will be used (saw dust or quick lime) and how much to get it to the acceptable level of solidification to meet all requirements by the landfill as well as the EPA, ODNR, & ODH. Attached is the MSDS sheets for our solidification materials.

Material will be then mixed by an LWS excavator.

Once material is to acceptable standard it will be tested with the paint strainer test.

Upon passing the material will be then loaded by excavator into lined dump trucks/trailers for transport to the landfill. Upon being loaded the truck driver will login at the office with the following:

1. Transporting Trucking companies Information
2. Truckers name, Drivers license number, Truck number, Manifest #, Truck type
3. Time out

Trucker will be then assigned a dump load ticket with all necessary information for the landfill.

When trucker returns from landfill he will turn in his ticket as well as any and all information and papers issued by the landfill.

Bins:

LWS bins will be 10' wide 30' long and be 5'6" deep. They will be equipped with two 4" fill couplings 2 on each end. They will be made with a 1/2" steel plating . Attached is the engineers drawings of the bins.

Nuisance Issues:

LWS will work with local governing agency to comply will any and all possible issues that may arrive from traffic, dust, and noise. The location is zoned heavy industrial and local officials have given LWS their blessing operating at chosen location.

Closure Plan:

Upon closing business and site LWS will be assuring landlord that they will leave location as it was when first moved in.

*Plan subject to change at any time to better the company.

Liquid Waste Solidification LLC (LWS)
Operational Plan for
Ohio Department of Natural Resources (ODNR)

Spill Plan:

Because of LWS's centralized location there are multiple clean up companies located within minutes of the plant that can be called at any given time to ensure the spill is cleaned up in a timely matter and to all governing standards. LWS will have absorbent boom snakes on hand and within a moments reach to contain any spill.

Paper Trail:

LWS will have a very thorough and detailed paper trail of every load that comes through its doors from point of origin to point of disposal.

Liquid Waste Solidification LLC

General Process Flow Schematic:

