

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Triple E Farms-Altona)
(Property Identification Number) PCB 10-
48-03-13-004 003) (Tax Certification)
)

NOTICE

Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite. 11-500
Chicago, Illinois 60601

Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

Donald Erickson
104 West Berrien St.
Altona, Illinois 61414

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board an **APPEARANCE AND RECOMMENDATION** of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

ENVIRONMENTAL PROTECTION AGENCY
OF THE STATE OF ILLINOIS

By: *Vera Herst*
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: April 30, 2010

Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217) 782-5544

THIS FILING IS SUBMITTED ON RECYCLED PAPER

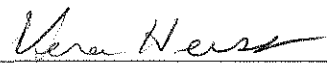
BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Triple E Farms-Altona)
(Property Identification Number) PCB 10-
48-03-13-004 003) (Tax Certification)
)

A P P E A R A N C E

The undersigned, as one of its attorneys, hereby enters an APPEARANCE on behalf of Respondent,
Illinois Environmental Protection Agency.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: 
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: April 30, 2010
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217)782-5544

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Triple E Farms-Altona)
(Property Identification Number) PCB 10-
48-03-13-004 003)) (Tax Certification)
)

RECOMMENDATION

The Illinois Environmental Protection Agency ("Illinois EPA") hereby files its Recommendation pursuant to Section 125.204 of the regulations of the Illinois Pollution Control Board, 35 Ill. Adm. Code 125.204.

1. On December 30, 2009, the Illinois EPA received a request from Triple E Farms (log number TC-24-09, Exhibit A) for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204.

2. The applicant's address is: Triple E Farms
2738 Knox Highway 15
Altona, Illinois 61414

3. The proposed water pollution control facilities in this request are located at SE ¼ of Section 13, T13N, R3E of the 4th PM in Knox County, at the above street address and consist of the following:

Livestock composting management facility consisting of one concrete structure (approximately 175.5 ft. x 16 ft. x 5.58 ft. high) and the roof over the structure (approximately 177 ft. x 18 ft.) .

This livestock waste management facility is used collect, store, and compost swine carcasses, which composted material is then applied to cropland, and is further described in Exhibit A.

4. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2008), defines “pollution control facilities” as:

 “any system, method, construction, device or appliance appurtenant thereto or any portion of any building or equipment, that is designed, constructed, installed or operated for the primary purpose of: (a) eliminating, preventing, or reducing air or water pollution ...or (b) treating, pretreating, modifying or disposing of any potential solid, liquid or gaseous pollutant which if released without treatment, pretreatment modification or disposal might be harmful, detrimental or offensive to human, plant or animal life, or to property.”

5. Pollution control facilities are entitled to preferential tax treatment, 35 ILCS 200/11-5.

6. Based on the information in the application and the purpose of the facilities, it is the Illinois EPA’s engineering judgment that the described facilities may be considered “pollution control facilities,” pursuant to 35 Ill. Adm. Code 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in 35 Ill. Adm. Code 125.200, and are eligible for tax certification from the Board.

WHEREFORE, the Illinois EPA recommends that the Board issue the

requested tax certification.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

By: _____
Vera Herst
Assistant Counsel
Division of Legal Counsel

Dated: April 30, 2010
Illinois Environmental Protection Agency
1021 North Grand Ave. East.
P.O. Box 19276
Springfield, Illinois 62794-9276
217/782-5544

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Triple E Farms-Altona)
(Property Identification Number) PCB 10-
48-03-13-004 003) (Tax Certification)
)

NOTICE

Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite. 11-500
Chicago, Illinois 60601

Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

Donald Erickson
104 West Berrien St.
Altona, Illinois 61414

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board an **APPEARANCE AND RECOMMENDATION** of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

ENVIRONMENTAL PROTECTION AGENCY
OF THE STATE OF ILLINOIS

By: _____
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: April 30, 2010

Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217) 782-5544

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Triple E Farms-Altona)
(Property Identification Number) PCB 10-
48-03-13-004 003) (Tax Certification)
)

A P P E A R A N C E

The undersigned, as one of its attorneys, hereby enters an APPEARANCE on behalf of Respondent, Illinois Environmental Protection Agency.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: _____
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: April 30, 2010
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217)782-5544

THIS FILING IS SUBMITTED ON RECYCLED PAPER



***** PGB 2010-095 *****
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

Memorandum

To: Connie Tonsor, Division of Legal Counsel

From: Al Keller, P.E., Manager, Permit Section *AK*

Date: April 22, 2010

Re: Triple E Farms - Altona
Recommendation of Tax Certification
Log # TC-24-09
Property Identification # 48-03-13-400-003

RECEIVED
Division of Legal Counsel
APR 23 2010
Environmental Protection
Agency

The Bureau of Water received a request on December 30, 2009 from for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Il. Adm. Code 125.204. We offer the following recommendation.

The water pollution control facilities in this request include the following:

Triple E Farms
104 West Berrien Street
Altona, IL 61414

SE ¼ of Section 13, T13N, R3E of the 4th P.M. in Knox County

Livestock composting management facility consisting of one concrete structure (approximately 175.5 ft x 16 ft x 5.58 ft high) and the roof over the structure (approximately 177 ft x 18 ft).

This livestock composting management facility is used to collecting, storing, and composting of swine carcasses. The composted material is applied to cropland.

These facilities are further described in the enclosed applications and supporting documents.

Based on the information included in this submittal, it is our engineering judgment that the above proposed facilities may be considered "Pollution Control Facilities" under 35 IAC 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in this section, and therefore eligible for tax certification from the Illinois Pollution Control Board. The Bureau of Water therefore recommends that the Board issue the requested tax certification for these facilities.

If you have any questions regarding the above, please contact Keith Runge at 217/782-3362.

SAK:KAR:TC-

cc: Tax Cert File

***** PCB 2010-095 *****

APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
 POLLUTION CONTROL FACILITY
 AIR WATER

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 P. O. Box 19276, Springfield, IL 62794-9276

This Agency is authorized to request this information under Illinois Revised Statutes, 1979, Chapter, 120, Section 502a-5. Disclosure of this information is voluntary. However, failure to comply could prevent your application from being processed or could result in denial of your application for certification.

FOR AGENCY USE

File No.	Date Received	Certification No.	Date
Sec. A APPLICANT	Company Name Triple E Farms		
	Person Authorized to Receive Certification Donald Erickson		Person to Contact for Additional Details David S. Erickson
	Street Address 104 West Berrien St		Street Address 1674 Knox Hwy 4
	Municipality, State & Zip Code Altona, IL 61414		Municipality, State & Zip Code Altona, IL 61414
	Telephone Number (309) 484-6491		Telephone Number (309) 484-6421
	Location of Facility Quarter Section Township Range		Municipality Township
	S13 T13 R3E		Altona T13
	Street Address 2738 Knox Hwy 15, Altona, IL 61414		County Book Number Knox
	Property Identification Number 48-03-13-400-003		Parcel Number 48-03-13-400-003
	Sec. B MANUFACTURING OPERATIONS	Nature of Operations Conducted at the Above Location Dead pig composting facility	
Water Pollution Control Construction Permit No.		Date Issued	
NPDES PERMIT No.		Date Issued Expiration Date	
Air Pollution Control Construction Permit No.		Date Issued	
Air Pollution Control Operating Permit No.		Date Issued	
Sec. C MANUFACTURING PROCESS	Describe Unit Process Dead pigs are buried in wood shavings. The heating breaks down the organic matter from the dead pigs and kills pathogens. When the animals are completely decomposed, the compost is utilized as fertilizer by spreading it on grain production fields.		
	Materials Used in Process wood shavings		
Sec. D POLLUTION CONTROL FACILITY DESCRIPTION	Describe Pollution Abatement Control Facility 14- three sided concrete bunkers 16' deep and 12' wide with 6" thick walls (175.5'X16') covered by a self supported roof 18' X 177'.		

RECEIVED
 DEC 30 2009

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 BOW/WPC/PERMIT SECTION

Project Name: Triple E Farms
Reviewer: KAR
Log No.: TC-24-09

Location: Altana
Date: 4-8-10
Type: Agchem
 Livestock

Applicant: Triple E Farms
104 West Bessie St.
Altana, IL 61414

Contact: David S. Erickson
Phone: 309-484-6421

Facility: Triple E Farms
2738 Knox Hwy 15
Altana, IL 61414

Property ID: 48-03-13-400-003

Legal Description: Section 13N, T13N, R3E
SE 1/4

County: Knox

Date Control Devices Installed: 11/2009

Provided Fair Cash Value: \$57,000.00

Signature: David Erickson

Title: General Partner

- Wastes:
- Livestock waste is applied to cropland.
 - Agrichemical rinsate and spillage is recycled through the facility and/or land applied.
 - Other: decomposed pigs - applied to cropland

Physical Description of Pollution Control Devices:
Dead pigs are buried in wood shavings, heat breaks down and organic matter is spread on fields for fertilizer.
one concrete structure with three sides, 175.5 FT long x 16 FT wide x 5.58' high with 18 FT wide x 177 FT long roof
No liquids leach out, if compost is too moist, wood chips are added.

Other: called Brian 4/9-10 facility is located in SE 1/4 Section 13

POLLUTION CONTROL FACILITY -- CONTAMINANTS ACCOUNTING DATA	Sec. E	(1) Nature of Contaminants or Pollutants			
			Material Retained, Captured or Recovered		
		Contaminant or Pollutant	DESCRIPTION	DISPOSAL OR USE	
		dead pigs	compost	compost will be applied to crop fields and will be a source of crop nutrients for the next crop	
		(2) Point(s) of Waste Water Discharge			
		The roof keeps out rain water to prevent a waste water discharge			
			Plans and Specifications Attached	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		(3)	Are contaminants (or residues) collected by the control facility?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		(4)	Date installation completed <u>11/09</u> status of installation on date of application _____		
		(5)	a. FAIR CASH VALUE IF CONSIDERED REAL PROPERTY:	\$ 57,000.00	
			b. NET SALVAGE VALUE IF CONSIDERED REAL PROPERTY:	\$ 0.00	
			c. PRODUCTIVE GROSS ANNUAL INCOME OF CONTROL FACILITY:	\$ 0.00	
			d. PRODUCTIVE NET ANNUAL INCOME OF CONTROL FACILITY:	\$ 0.00	
		e. PERCENTAGE CONTROL FACILITY BEARS TO WHOLE FACILITY VALUE:	% 100		
SIGNATURE	Sec. F	The following information is submitted in accordance with the Illinois Property Tax Code, as amended, and to the best of my knowledge, is true and correct. The facilities claimed herein are "pollution control facilities" as defined in Section 11-10 of the Illinois Property Tax Code.			
		<u>David D. Erickson</u>	<u>General Partner</u>		
		Signature	Title		
INSTRUCTIONS	Sec. G	INSTRUCTIONS FOR COMPILING AND FILING APPLICATION			
		General: Separate applications must be completed for each control facility claimed. Do not mix types (water and air). Where both air and water operations are related, file two applications. If attachments are needed, record them consecutively on an index sheet.			
		Sec. A	Information refers to applicant as listed in the tax records and the person to be contacted for further details or for inspection of facilities. Define facility location by street address or legal description. A plat map location is required for facilities located outside of municipal boundaries. The property identification number is required.		
		Sec. B	Self-explanatory. Submit copies of all permits issued by local pollution control agencies. (e.g. MSD Construction Permit)		
		Sec. C	Refers to manufacturing processes or materials on which pollution control facility is used.		
		Sec. D	Narrative description of the pollution control facility, indicating that its primary purpose is to eliminate, prevent or reduce pollution. State the type of control facility. State permit number, date, and agency issuing permit. A narrative description and a process flow diagram describing the <u>pollution control facility</u> . Include a listing of each major piece of equipment included in the claimed fair cash value for real property. Include an <u>average</u> analysis of the influent and effluent of the control facility stating the collection efficiency.		
		Sec. E	List air contaminants, or water pollution substances released as effluents to the manufacturing processes. List also the final disposal of any contaminants removed from the manufacturing processes. Item (1) - Refers to pollutants and contaminants removed from the process by the pollution control facility. Item (2) - Refers to water pollution but can apply to water-carried wastes from air pollution control facilities. Submit drawings, which clearly show (a) Point(s) of discharge to receiving stream, and (b) Sewers and process piping to and from the control facility. Item (3) - If the collected contaminants are disposed of other than as wastes, state the disposition of the materials, and the value in dollars reclaimed by sale or reuse of the collected substances. State the cost of reclamation and related expense. Item (4) - State the date which the pollution control facility was first placed in service and operated. If not, explain. Item (5) - This information is essential to the certification and assessment actions. This accounting data must be completed to activate project review prior to certification by this Agency.		
		Sec. F	Self-explanatory. Signature must be a corporate authorized signature.		
			Submit to:	Attention:	Attention:
			Illinois EPA P.O. Box 19276 Springfield, IL 62794-9276	At Keller Permit Section Division of Water Pollution Control	Donald E. Sutton Permit Section Division of Air Pollution Control

*****PCB 2010-095*****



Original

Triple E Farms
Farm 6334 Tract 11514
Walnut Grove Twp -- Sec. 13, T13N, R3E
Knox County, IL
EQIP - Livestock
Contract # - 745A12080L1

U.S. DEPARTMENT OF AGRICULTURE

USDA NRCS

Natural Resources Conservation Service

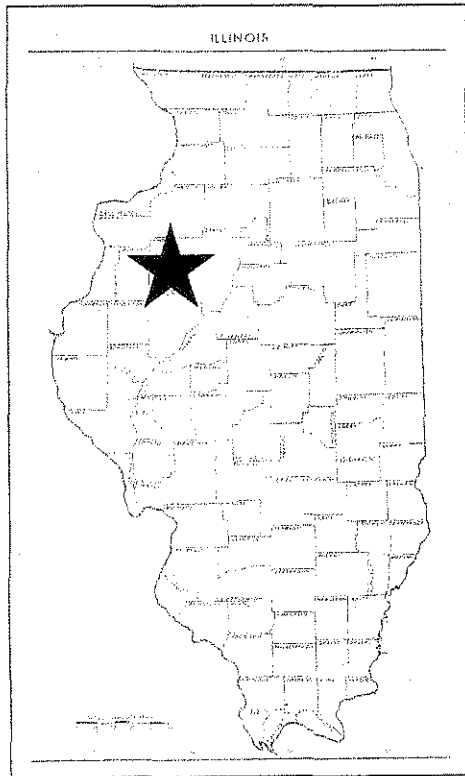
DETAIL PLANS FOR

Composting Facility

Sheet	Description
1	Cover
2	Plan View of site
3	General Notes of Compost Bin IL-ENG-161A
4	6" Bin Wall Details IL-ENG-161B
5	8" Bin Wall Details IL-ENG-161B
6	Post Embedment Details
7-9	Composting Facility Standard
10-12	With Operation & Maintenance

13 JULIE

Location in ILLINOIS



Designed by Mary Johnson Date 5-15-09

Checked by Steven L. Hobson Date 7-30-09

Approved by Steven L. Hobson Date 7-30-09
updated 8-21-09 Sheet 4

Practices Used Job Class

Composting Facility (317) IV

Daily Death Loss = 235.5 lbs

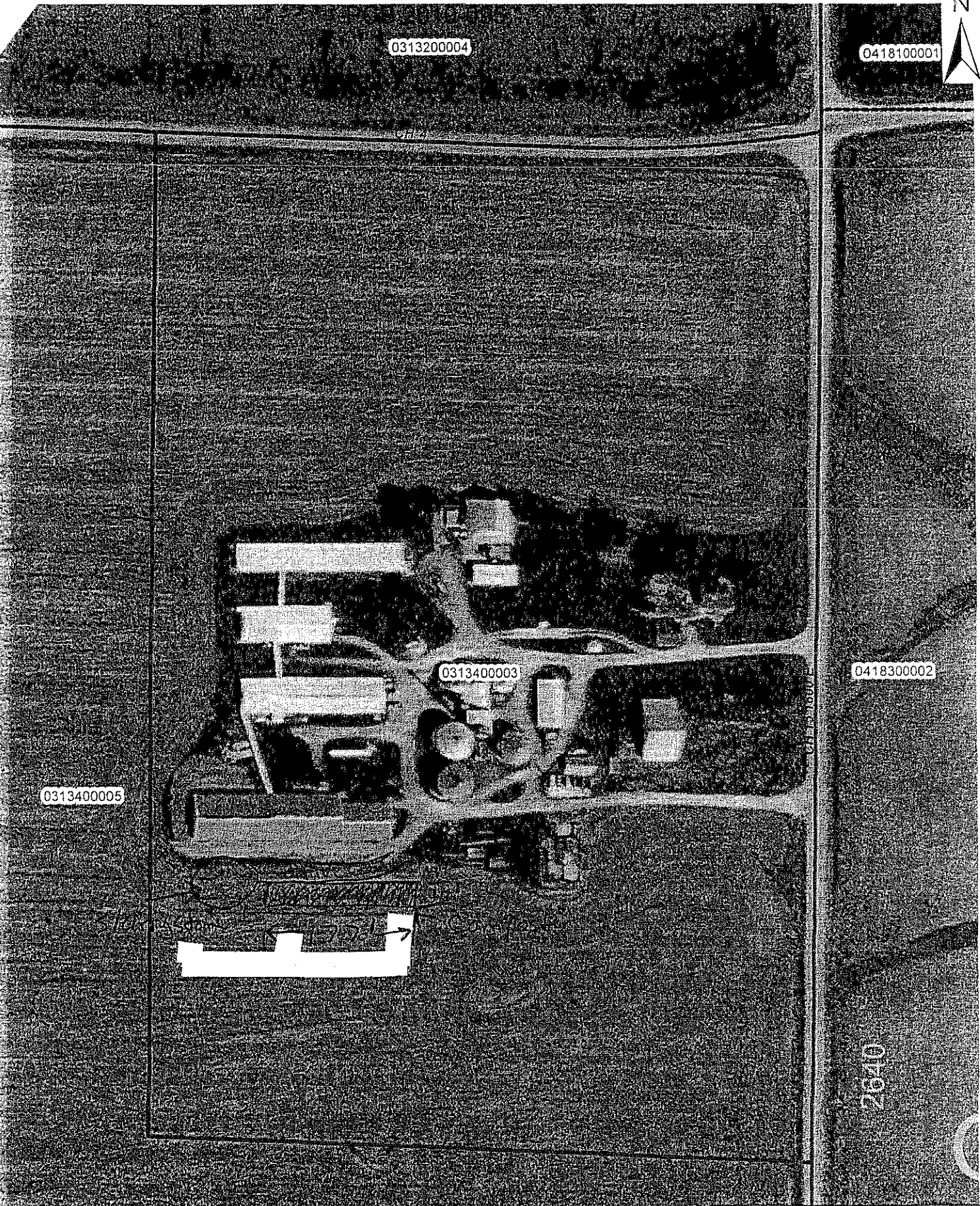
Concurred by Landowner Date
Triple E Farms Inc 8-17-09
David Erickson, General Partner

Sheet 1 of 9



0313200004

0418100001



0313400003

0418300002

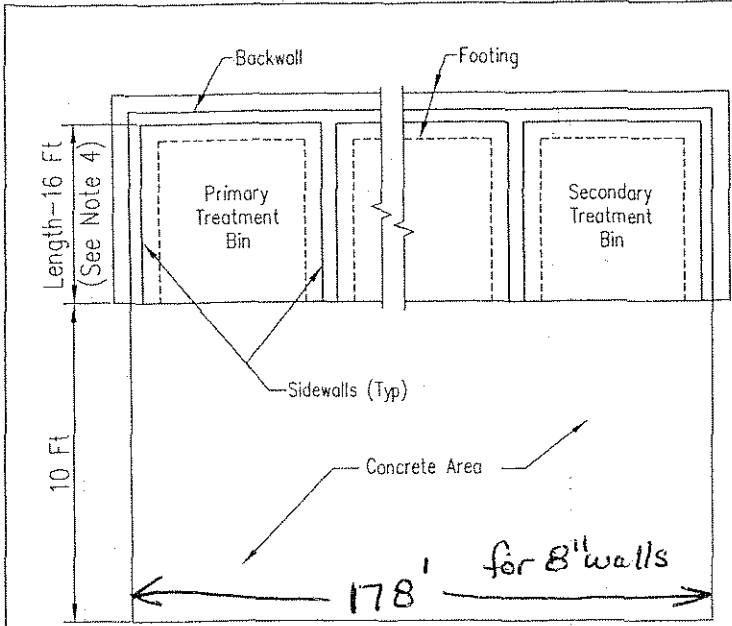
0313400005



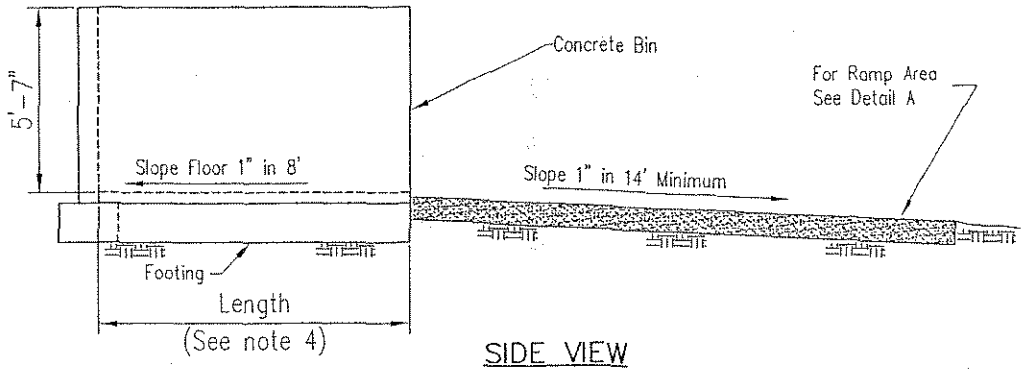
2640



PREPARED BY KNOX COUNTY
NOT A LEGAL SURVEY, MAP IS
TO BE USED FOR REFERENCE
PURPOSES ONLY



PLAN



SIDE VIEW

- 5 PRIMARY BINS
- 6 SECONDARY BINS
- 3 SAWDUST BINS
- 14 BIN COMPOSTER

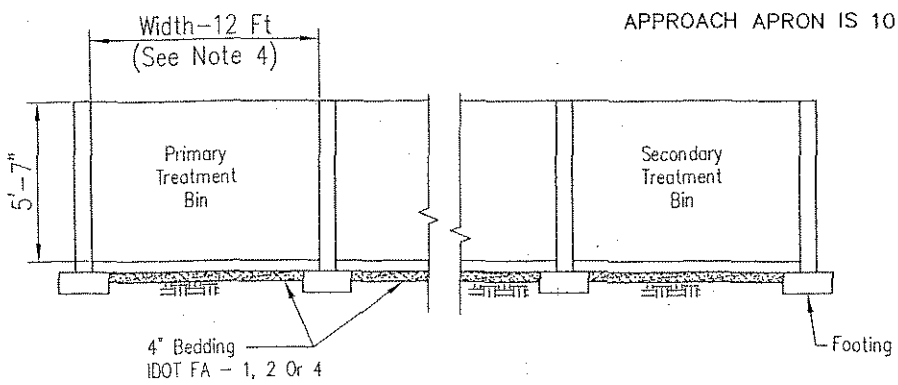
EACH BIN IS 12 FT WIDE X 16 FT DEEP

APPROACH APRON IS 10 FT WIDE - CONCRETE

General Notes

1. Concrete mix should be design to yield 28 day compressive strength of 4000 psi.
2. All steel shall have a minimum clear concrete cover over reinforcement of 2" except when concrete is on or against earth, then minimum clear cover shall be 3".
3. No earth backfill will be placed around the out side of these walls.
4. Maximum bin dimension (width or length) is 20 feet.
5. The base course, surface aggregate and bedding materials shall be compacted with the track or tire of the equipment used for construction to ensure a smooth uniform foundation without depressions or irregularities.
6. Geotextile (non-woven) minimum criteria:

Weight of Geotextile (oz/sq.yd.)	_____6
Tensile strength (lb) ASTM D 4632	_____180
Elongation at failure (%) ASTM D 4632	_____≥50
Puncture (lb) ASTM D 4833	_____80
Ultraviolet light ASTM D 4355	_____70
Apparent opening size (AOS) ASTM D 4751	_____max 40 sieve
Permittivity sec ⁻¹ ASTM D 4491	_____0.70



FRONT VIEW

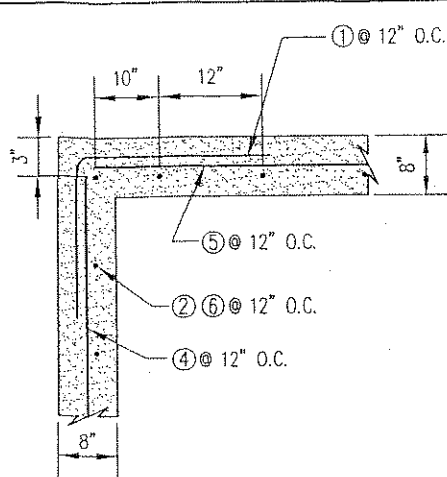
Date: 4/08
 Designed: H. JOHNSON
 Drawn: H. JOHNSON
 Checked: S. Hobbins
 Approved: 7-09
 Sheet 3 of 9

CONCRETE COMPOST BIN

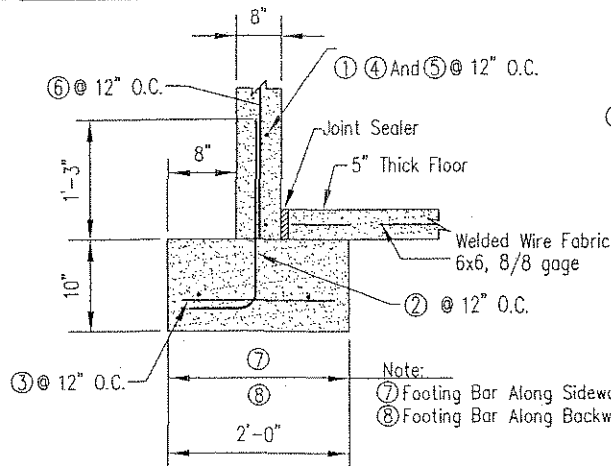


File No. IL-ENG-161A
 Drawing No. MODIFIED
 Sheet 1 of 2

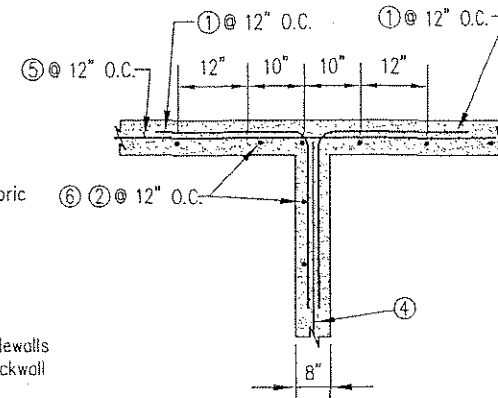
Not To Scale



CORNER DETAIL-PLAN VIEW



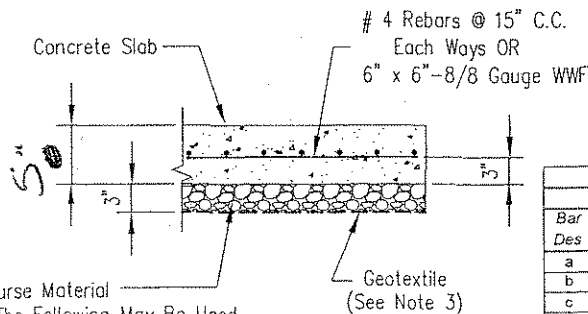
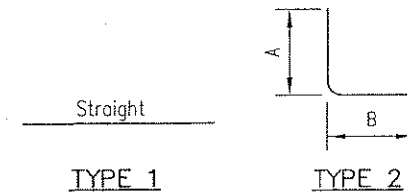
FOOTING, FLOOR & WALL DETAIL



PARTITION WALL DETAIL-PLAN VIEW

Concrete (Cu Yd)	
Bin Size	Number of Bins
	14
12x16'	132.0

12' x 16' BIN	
Total Tons	
Sand Subbase	54.0
Wire Mesh (Ramp + Floor)	Total Square Feet 4800 4913
Concrete Ramp	Total Cubic Yards 28.0



Base Course Material
Any Of The Following May Be Used
IDOT GRAD. NO. CA 11, 12, 13, 14, 15, 16.

DETAIL A

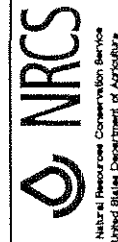
IDOT = Illinois Department Of Transportation

Steel Reinforcing for Single Concrete Composting Bins											
Bar Des	Bars per Bin			# of Bins	Bars						
	w	x	d		In End wall		Total #	Length of Each Bar ft	Total Length ft	Lbs. per Ft. All are same	Total Wt. lbs
12	16	16	12	16							
a	12			14	-		168	4.67	784	0.688	539.4
b	29			14	17		423	2.75	1163.3	0.688	800.3
c	29			14	17		423	1.5	634.5	0.688	436.5
d	6			14	6		90	16	1440	0.688	990.7
e	6			14	-		84	13	1092	0.688	751.3
f	29			14	17		423	5.35	2263.1	0.688	1557.0
g1	2			14	2		30	16	480	0.688	330.2
g2	2			14	-		28	12.75	357	0.688	245.6

Date
Designed N. JOHNSON 3/09
Drawn H. JOHNSON 4/09
Checked S. Hobson 7-30-09
Approved S. Hobson 7-30-09
S. Hobson 7-30-09

CONCRETE COMPOST BIN

8" WALLS



File No. IL-ENG-1638
Drawing No.

MODIFIED

Not To Scale

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE STANDARD

COMPOSTING FACILITY

(No.)
CODE 317

DEFINITION

This is a treatment component of an agricultural management system for the biological stabilization of organic material.

PURPOSES

To reduce the pollution potential of organic agricultural wastes to surface and ground water.

CONDITIONS WHERE PRACTICE APPLIES

This practice applies where:

- Organic waste material is generated by agricultural production or processing;
- A composting facility is a component of a planned agricultural waste management system.
- A composting facility can be constructed, operated and maintained without polluting air and/or water resources.
- There is a need to improve air quality by reducing the emissions of odorous gases.
- The facility is operated as a component of an agricultural management system.

CRITERIA

General Criteria Applicable To All Purposes

Laws and Regulations. The installation and operation of the composting facility shall comply with all federal, state and local laws, rules and regulations.

The installation and operation of an animal composting facility shall specifically comply with Illinois Administrative Code Title 8, Part 90, Section 90.110 "On Farm Disposal (of Dead Animals)". The Illinois Administrative Code listed above has very

specific requirements for design and operation of composting facilities and should be reviewed and followed in detail. Where there is a conflict between NRCS policy and the State of Illinois "On farm disposal of dead animals act" the more conservative interpretation will be used.

Safety. Safety and personal protection features and practices shall be incorporated into the facility and its operation as appropriate to minimize the occurrence of equipment hazards and biological agents during the composting process.

Facility Siting. The bottom elevation of the composting facility shall be above the seasonal high water table and on soils with slow to moderate permeability that do not allow materials to contaminate the ground water, and meet all applicable regulations, or the facility shall be installed on a concrete slab or other appropriate liner.

The composting facility shall be located outside the 100 year floodplain. However, if site restrictions require location within a floodplain, it shall be protected from inundation or damage from a 25-year flood event, at a minimum.

The Illinois Administrative Code Title 8, Part 90, Section 90.110 "On Farm Disposal (of Dead Animals)" has specific requirements for site permeability and setback distances for facilities used for the composting of dead animals.

Locate compost facilities so prevailing winds and landscape elements such as building arrangement, landforms, and vegetation minimize odors and protect the visual resource.

Direct surface runoff away from the compost facility. Direct contaminated runoff from

NRCS - Illinois

September, 2004



Sheet 7 of 9

Compost Period. Continue the composting process long enough for the compost mix to reach the stability level where it can be safely stored without undesirable odors. It shall also possess the desired characteristics for its use, such as lack of noxious odor, desired moisture content, level of decomposition of original components and texture. The compost period shall involve primary and secondary composting as required to achieve these characteristics.

Test the finished compost as appropriate to assure that the required stabilization has been reached.

Use of Finished Compost. Land application of finished compost shall be in accordance with Conservation Practice Standards 590, Nutrient Management, and 633, Waste Utilization.

CONSIDERATIONS

Planning and operation of a composting facility for dead animals must meet the Illinois "Dead Animal Disposal Act". Develop an initial compost mix with a Carbon to Nitrogen ratio of at least 30:1 to reduce most offensive odors.

Minimize odors and nitrogen loss by selecting carbonaceous material that, when blended with the nitrogenous material, provides a balance of nutrients and porous texture for aeration.

Maximize solar warming by aligning piles north to south configured with moderate side slopes.

In humid areas, do not locate piles (windrows) across the slope. This prevent ponding and sogginess.

Protect compost facilities from the wind in cold climates. Wind protection may help prevent excess drying of the compost in dry climates.

Composting operations require close management. Management capabilities of the operator and availability of labor should be assessed as part of the planning and implementing process.

Appropriate equipment must be available for initial mixing, turning, and hauling composted material and carbonaceous material. Appropriate long stem thermometers must be

available for managing the composting material.

PLANS AND SPECIFICATIONS

Plans and specifications shall be prepared in accordance with the criteria of this standard and shall describe the requirements for applying the practice to achieve its intended use.

OPERATION AND MAINTENANCE

Develop an operation and maintenance plan that is consistent with the purposes of this practice, and the life of the composting facility. Recipe ingredients and sequence that they are layered and mixed shall be given in the plan.

Safety requirements for operation of the composting facility shall be provided.

Manage the compost piles for temperature, odors, moisture, and oxygen, as appropriate. Make adjustments throughout the composting period to insure proper composting processes.

Closely monitor temperatures above 165°F. Take action immediately to cool piles that have reached temperatures above 185°F.

The operation and maintenance plan shall state that composting is a biological process. It requires a combination of art and science for success. Hence, the operation may need to undergo some trial and error in the start-up of a new composting facility.

REFERENCE

National Engineering Handbook, Part 651
Agricultural Waste Management Field
Handbook, Chapter 10.

State of Illinois Administrative Code, Title 8:
Agriculture and Animals, Part 90 Illinois Dead
Animal disposal Act, Chapter I: Department of
Agriculture, Section 90.110 On-
<http://www.legis.state.il.us/commission/jcar/admincode/008/008000900001100R.html>The-
Farm Disposal

NRCS, Illinois

September, 2004

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6. Keep the area around the composter mowed and free of weeds and brush. Maintain the entrance area approach to the composter, including filling any ruts or holes. Periodically check concrete walls, and floors for cracking, spalling and equipment damage and repair when damaged. Periodically check joint sealer at wall and floor joint to ensure a watertight joint and repair as needed.

STATE OF ILLINOIS)
)
)
COUNTY OF SANGAMON)
)

PROOF OF SERVICE


I, the undersigned, hereby certify that I have served the attached **APPEARANCE AND RECOMMENDATION**, upon the person to whom it is directed, by placing a copy in an envelope addressed to:

Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

Donald Erickson
104 West Berrien St.
Altona, Illinois 61414

and mailing it from Springfield, Illinois, on April 30, 2010, with sufficient postage affixed for first class mail; and electronically on April 30, 2010:

Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite. 11-500
Chicago, Illinois 60601



Vera Herst