

Texas Plant & Soil Lab

Since 1938 - Still The First Soil Lab In Texas
Serving The World From The Rio Grande Valley.

5115 West Monte Cristo Road
Edinburg, Texas 78541-8852
Telephone: 956-383-0739 ♦ FAX: 956-383-0730
www.TexasPlantAndSoilLab.com



LAB N ^{OS} FROM _____	TO _____
CLIENT N ^{OS} _____	
RECEIVED: _____	
BY: _____	
RELEASED: _____	
BY: _____	
REPORT SENT: _____	

COMPOST / HUMATE / MANURE SAMPLE SUBMITTAL AND CHAIN OF CUSTODY

- BE SURE TO INCLUDE THIS FORM WITH YOUR SAMPLES -

NAME: _____ TELEPHONE: _____
 COMPANY: _____ E-MAIL: _____
 ADDRESS: _____ City: _____ State: _____ Zip: _____
 SEND REPORT BY: E-MAIL (PREFERRED) POSTAL MAIL FAX
 FAX: _____

DATE SAMPLES TAKEN: _____ SAMPLES TAKEN BY: _____
 LOCATION: _____
 COMMENTS: _____

- PLEASE MARK THE ANALYSIS NUMBER(S) DESIRED IN THE COLUMNS BELOW -

- 1** - STANDARD **2** - COMPLETE TOTAL NUTRIENT **3** - AVAILABLE NUTRIENTS
4 - COMPREHENSIVE COMPOST ANALYSIS (INCLUDES 1 - 2 - 3) **5** - PLANT RESPONSE **6** - METALS **7** - FECAL COLIFORM (PASS)
8 - NEMATODES **9** - E. COLI **10** - TOTAL ANALYSIS - **4** through **9** **11** - COMPOST HUMIC ACID
12 - *SOLVITA*® COMPOST MATURITY / STABILITY INDEX **13** - *SOLVITA*® MANURE AMMONIA TEST
30 - USCC *STA* - US COMPOSTING COUNCIL'S *SEAL of TESTING ASSURANCE* SUITE & TXDoT

★ APPLICATION: **P** = POTTING MIX. **T** = TOP DRESSING TO BE INCORPORATED INTO SOIL. **M** = MULCH **NON - STA REQUIRED ENTRY.**

- BELOW IS RESTRICTED TO LEONARDITE, OTHER HUMATE ORES OR LIQUID HUMATE PRODUCTS -

- 20** - HUMIC ACID - CDFA (CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE FERTILIZING MATERIALS PROGRAM REGISTRY)
21 - HUMIC ACID - TPSSL® METHOD

LINE	LAB NUMBER <small>(LAB USE ONLY)</small>	SAMPLE ID. <small>MAXIMUM 6 CHARACTERS</small>	ANALYSIS NUMBER(S) DESIRED <small>See DESCRIPTIONS AND PRICES PAGE for details.</small>	TIME SAMPLE TAKEN	SAMPLE TYPE <small>COMPOST, MANURE, ETC.</small>	PRESERVATION	COMMENTS	APP. ★
						<small>NONE Ice / Gell Dry Ice</small>		
1				:				
2				:				
3				:				
4				:				
5				:				
6				:				
7				:				
8				:				

For US Composting Council's "Seal of Testing Assurance" tests, Use USCC STA CHAIN OF CUSTODY.

Compost - Humate - Manure Analysis Order

LINE FROM CHAIN OF CUSTODY	ANALYSIS No.	PRICE	ANALYSIS No.	PRICE	ANALYSIS No.	PRICE	ANALYSIS No.	PRICE	LINE TOTAL
1		\$		\$		\$		\$	\$
2		\$		\$		\$		\$	\$
3		\$		\$		\$		\$	\$
4		\$		\$		\$		\$	\$
5		\$		\$		\$		\$	\$
6		\$		\$		\$		\$	\$
7		\$		\$		\$		\$	\$
8		\$		\$		\$		\$	\$

ORDER TOTAL: \$

PAYMENT METHOD: CHECK (No: _____) CREDIT CARD MONEY ORDER

- CREDIT CARD CHARGE INFORMATION (See Instructions) -

Name on Card: _____

Billing Address: _____
STREET or P.O. BOX STATE ZIP CODE

Credit Card Type: Discover American Express VISA MasterCard

Credit Card Number: _____ Expires: ____/____

Authorized Signature: _____ Security Code: _____

Your card will not be charged until sample is received by us. (SEE INSTRUCTIONS)

CREDIT CARD INSTRUCTIONS:
 Card information may be called or faxed to us if you do not wish to include it here.

NAME: _____

COMPANY: _____

LAB N^{OS} FROM _____ TO _____

DATE CHGD / POSTED: _____

AMOUNT: \$ _____

COMPOST / HUMATE / MANURE ORGANIC ANALYSES
DESCRIPTIONS and PRICES EFFECTIVE NOVEMBER, 2011.

Prices and specifications are subject to change without prior notice.

TEST NO.	TEST NAME	DESCRIPTION	PRICE
1	STANDARD	Moisture, pH, Bulk Density, Porosity, Salinity, Total Organic Matter (LOI – Loss On Ignition), - Total Carbon, Organic Matter (Humus Fraction), C:N Ratio, <i>Solvita</i> ® Compost Maturity / Stability Index, Particle Size (5/8" and 3/8").	\$92.00
2	COMPLETE TOTAL NUTRIENTS	Moisture, Nitrogen, Phosphorus, Nitrate (NO ₃ – N), Phosphate (PO ₄), Potassium, Sodium, Calcium, Magnesium, Zinc, Iron, Manganese, Copper, Boron – as dry as-is lbs/ton.	\$82.00
3	AVAILABLE NUTRIENTS	Texture, % Organic Matter (Humus), Carbonates (CO ₃), pH, Salts (Electrical Conductivity, Nitrogen (NO ₃), Na:Ca Ratio, Na:Mg Ratio - <i>and</i> ♦ <i>Using Carbon Dioxide Extraction</i> ^{SEE NOTE} : Phosphorus (P ₂ O ₅), Potassium, Sodium, Calcium, Magnesium - <i>and</i> ♦ <i>Using Water Extraction</i> ^{SEE NOTE} : Potassium, Sodium, Calcium, Magnesium.	\$40.00
4	COMPREHENSIVE COMPOST PACKAGE	ALL OF THE ABOVE – 1 + 2 + 3	\$180.00
5	PLANT RESPONSE	% GERMINATION – Seedling response using undiluted material and a 50 – 50 mix compared to control as well as relative growth	\$33.00
6	STANDARD COMPOST METALS ANALYSES	Arsenic, Cadmium, Chromium, Lead, Mercury, Molybdenum, Nickel, Selenium. (Also see Heavy Metals section for full description of all analyses and protocols offered.)	\$185.00
7	FECAL COLIFORM	Pass / Fail	\$85.00
8	NEMATODES		\$32.00
9	E. COLI	Pass / Fail	\$85.00
10	TOTAL COMPOST ANALYSIS	ALL OF THE ABOVE – 4 + 5 + 6 + 7 + 8 + 9	\$600.00
11	HUMIC ACID	CONTENT OF COMPOST	\$65.00
12	<i>SOLVITA</i> ®	COMPOST MATURITY / STABILITY INDEX	\$50.00
13	<i>SOLVITA</i> ®	MANURE AMMONIA VOLATILITY TEST	\$40.00
20	HUMIC ACID	CDFA - California Department of Food and Agriculture Fertilizing Materials Inspection Program Registry - includes pH	\$65.00
21	HUMIC ACID	TPSL® Method. PREFERRED – MOST ACCURATE - % Humic – includes pH	\$56.00
30	US COMPOSTING COUNCIL SEAL OF TESTING ASSURANCE SUITE and TXDoT	Moisture, Organic Matter, Total Nitrogen, Nitrate Nitrogen, Ammonia Nitrogen, Total Phosphorus, Total Potassium, Total Calcium, Total Magnesium, Total Sodium, Total Iron, Total Copper, Total Manganese, Total Zinc, Sulfate as SO ₄ , Boron, Chloride, Conductivity, pH, C:N Ratio, Germination, <i>Solvita</i> ® Compost Maturity / Stability Index, Particle Size, Fecal Coliform. Heavy Metals: Arsenic, Cadmium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Zinc.	\$375.00

SAMPLE SIZES REQUIRED: COMPOST - 1 GALLON ZIP-LOCK BAG. DRY HUMATE - 1 CUP. LIQUID HUMATE - 1 PINT.

WE OFFER CONSULTING ON COMPOST PROBLEMS.

NOTES: TPSL[®]'s exclusive nutrient extraction method for compost and soil measures what is, or can be actually available to the plant, as calibrated against actual plant uptake through proprietary standards established through decades of research.

Carbon Dioxide Extraction shows what is slowly available to the plant or "in reserve", but convertible to water-soluble forms with proper treatment.

Water Extraction shows what is immediately available to the plant.

If the nutrient is in a compound form that is not extractable (soluble) by either method, then it is not available to the plant. Popular extraction methods (generally using strong acids) of these nutrients show the total content, little of which may actually be available.

DISCOUNT SCHEDULE - DISCOUNTED PRICE EACH

TEST NO.	DESCRIPTION	7 TO 10 SAMPLES	11 TO 20 SAMPLES	21 + SAMPLES
12	SOLVITA[®] Compost Maturity	\$47.00	\$43.00	\$40.00
13	SOLVITA[®] Manure Ammonia	\$38.00	\$37.00	\$33.00
30	USCC STA / TXDoT	\$350.00	\$333.00	\$325.00◆

For Heavy Metals protocols, analyses and prices not mentioned above, please refer to the Heavy Metals Section.

◆ Annual STA volume test program plans are available. Please call us.

STA CHAIN OF CUSTODY INFORMATION

1. Reporting Instructions

1.1 Chain of custody forms and procedures are to be used with all USCC Seal of Testing Assurance (STA), environmental and regulatory samples. A chain of custody form is used to track sample handling from time of collection through laboratory analysis, and data reporting.

1.2 STA information for the chain-of-custody record includes, at a minimum:

1.2.1 Place and address of collection;

1.2.2 Name or customer ID of the sample;

1.2.3 Name of person(s) collecting the sample(s);

1.2.4 Signature of collector;

1.2.5 Sample type, (e.g., as described in TMECC 02.01 paragraph 9.3: point; composite; stratified; or interval);

1.2.6 Client sample identifier and special instructions such as requested preprocessing (e.g., sub-sampling, compositing, sieving);

1.2.7 Rank Feedstock Contents in Descending Order (optional). In the space provided beside each feedstock type, indicate the relative amount of feedstock which makes up the material represented by the submitted sample;

1.2.8 Date and time of collection;

1.2.9 Sample matrix, (e.g., compost, feedstock, mulch, etc.);

1.2.10 Composting operation type, (e.g., windrow, static pile, in-vessel, etc. Refer to TMECC Fig 02.01-A3 for additional examples of composting technologies);

1.2.11 Shipping temperature, (e.g., ambient, chilled with wet ice, or frozen with dry ice);

1.2.12 Requested analyses. Refer to the laboratory sample submittal form provided by your STA Laboratory for optional tests in addition to the minimum requirements for STA and/or State DOT samples. USE SPACES "A", "B" and "C" TO SPECIFY THE REQUIRED LABORATORY PROTOCOLS FOR REGULATED COMPOST MATERIAL. IT IS THE RESPONSIBILITY OF THE PARTY SUBMITTING THE SAMPLE TO INFORM THE STA LABORATORY OF SPECIFIC REGULATORY TESTING REQUIREMENTS;

1.2.13 Specific Feedstock and Operational Detail (optional). Use this space to more accurately describe feedstock types used and specific composting operation detail, (e.g., if manure is used as feedstock, indicate the specific type of manure: horse, feeder cattle, poultry litter, liquid swine, etc);

1.2.14 Signatures of the persons involved in the chain of possession.



US COMPOSTING COUNCIL

OFFICIAL Seal of Testing Assurance Compost Sample Chain of Custody Form

Texas Plant & Soil Lab
 5115 West Monte Cristo Road
 Edinburg, Texas 78541

Telephone: 956-383-0739
 FAX: 956-383-0730
 E-Mail: ngarcia@tpsl.biz

Client/Reporting Company: _____ Tel: _____
 Contact Name: _____ FAX: _____
 Billing Address: _____ Email: _____
 City, State Zip code: _____

Send Results to: _____
 City, State Zip code: _____

Name or Source of Sample(s): _____
 Name of Person(s), Sample Collector(s): _____

LABORATORY USE ONLY Storage Locations

Freezer	Cold Room	Storage Shelf
---------	-----------	---------------

Sample Condition: _____
 Temperature: _____ Malodor: _____ Moisture: _____

Sample Type: POINT COMPOSITE STRATIFIED INTERVAL

P.O. Number: _____

USCC Member: YES NO

SELECTION OF ANALYSIS. Refer to <http://www.tmecc.org/cap/methods.html> for details.
 STA Suite; State DOT Tests (indicate State); A, B, C – Specify other tests in fields A through C, (e.g., tests required for regulated samples, etc.). **NOTE!** STA analytical results via the STA Compost Technical Data Sheet and this Chain of Custody form are submitted to STA program management.

A	B	C
---	---	---

Client Sample ID and Special Instructions	1. List Feedstocks 2. Check all that apply 3. List % by volume. (Optional)		Collection Date/Time	Sample Matrix	Composting Operation Type	Shipping Temperature	Indicate Compost Analysis Requirements (*identify state)			LAB USE ONLY Job Number & Sample Status	
	Green waste	Carcass Fish					STA Suite	State DOT	Identify State		A
	<input type="checkbox"/> Green waste	<input type="checkbox"/> Carcass Fish	Date: _____	<input type="checkbox"/> Compost	<input type="checkbox"/> Windrow	<input type="checkbox"/> Ambient	STA Suite	State DOT	Identify State	A B C	
	<input type="checkbox"/> Manure	<input type="checkbox"/> Waste	Time: _____	<input type="checkbox"/> Feedstock	<input type="checkbox"/> Static Pile	<input type="checkbox"/> Wet Ice					
	<input type="checkbox"/> Food	<input type="checkbox"/> Grease, Fats	Initials: _____	<input type="checkbox"/> Mulch	<input type="checkbox"/> In-Vessel	<input type="checkbox"/> Dry Ice					
	<input type="checkbox"/> Biosolids			<input type="checkbox"/>	<input type="checkbox"/>						
	<input type="checkbox"/> MSW			<input type="checkbox"/>	<input type="checkbox"/>						
	<input type="checkbox"/> Wood			<input type="checkbox"/>	<input type="checkbox"/>						

INFORM THE STA LABORATORY AND SPECIFY THE REQUIRED LABORATORY TESTS WHEN SUBMITTING REGULATED COMPOST SAMPLES (please use spaces A, B and C provided above).

PLEASE PROVIDE SPECIFIC FEEDSTOCK AND OPERATIONAL DETAIL IN THE SPACE PROVIDED.
 YOUR VOLUNTEERED INFORMATION PROVIDES USCC STANDARDS AND PRACTICES COMMITTEE WITH CRUTIAL DATA NEEDED TO BETTER UNDERSTAND THE COMPOSTING PROCESS AND COMPOST END USES.

Releasing Signature 1	Date	Time	Receiving Signature 1	Date	Time
Releasing Signature 2	Date	Time	Receiving Signature 2	Date	Time
Releasing Signature 3	Date	Time	Receiving Signature 3	Date	Time
Releasing Signature 4	Date	Time	Receiving Signature 4	Date	Time

Getting Started in the STA Program

STA Program Participant Checklist

- | | |
|--|----------------------|
| 1. Using the “ Sampling Protocol ” collect a 1 gallon sample of compost. | Check when completed |
| 2. Following the “ Chain of Custody ” form submit the 1 gallon compost sample to the testing lab of your choice. (STA approved labs can be found in the Lab section of this web site). | _____ |
| | _____ |
| Note: | |
| • Both of forms are needed in order to properly collect and submit your compost sample. | |
| • The forms are available on this web site. | |
| • Testing a sample can that 3-4 weeks, so you need to build that into your timeframe. | |
| 3. Include with this sample the following information: | |
| • Completed chain of custody form (check BOTH STA AND 503 analyses, as well as any state DOT form that is required) | |
| • Fully complete the form listing; composting facility name, contact information, feedstock, state DOT requirements (if any), etc. This information must be the same contact information that is posted on the STA website and on any STA literature that is created. | _____ |
| 4. The key pieces of the contract that need to be completed, signed and returned are listed below. | _____ |
| • Please return the original and retain a photocopy for your records. | |
| • Complete and submit the following forms and items to the STA Program Administrative/Technical Manager (see address below): | |
| a. The STA Program cover page | _____ |
| b. Appendix D - The entire logo use agreement | _____ |
| c. Appendix F-1 – The application form (Please complete a separate form for each compost product that you want included in the STA program) | _____ |
| d. Your product use instructions (these are often forgotten). Please provide specific use information that includes either volume or depth of compost application. Compost test results will be provided directly by the STA lab. | |
| e. Provide a 1 quart sample of your compost product(s). This does not require any special packaging or shipping. | _____ |
| 5. Finally, all forms along with your STA annual membership fee (\$500 for USCC members or \$650 for non-members for the initial STA product, 50% of this fee for any additional products) need to be submitted to the STA Program | _____ |
| Administrative/Technical Manager: Al Rattie, 29 E. Ridge Ave., Sellersville, PA 18960 | _____ |

PLEASE consider joining the USCC if you are not already a member.

For additional information, contact the STA Program Managers:

Al Rattie at 215-258-5259 (arconsulting1@verizon.net) or,

Ron Alexander at 919-367-8350 (alexassoc@earthlink.net) or,

log onto the USCC website at:

www.compostingcouncil.org

Test Method: Selection of Sampling Locations for Windrows and Piles							Units: NA	
Test Method Applications								
Process Management							Product Attributes	
<i>Step 1:</i> Feedstock Recovery	<i>Step 2:</i> Feedstock Preparation	<i>Step 3:</i> Composting	<i>Step 4:</i> Odor Treatment	<i>Step 5:</i> Compost Curing	<i>Step 6:</i> Compost Screening and Refining	<i>Step 7:</i> Compost Storing and Packaging	<i>Safety Standards</i>	<i>Market Attributes</i>
		02.01-B	02.01-B	02.01-B	02.01-B	02.01-B	02.01-B	02.01-B

02.01-B SELECTION OF SAMPLING LOCATIONS FOR WINDROWS AND PILES

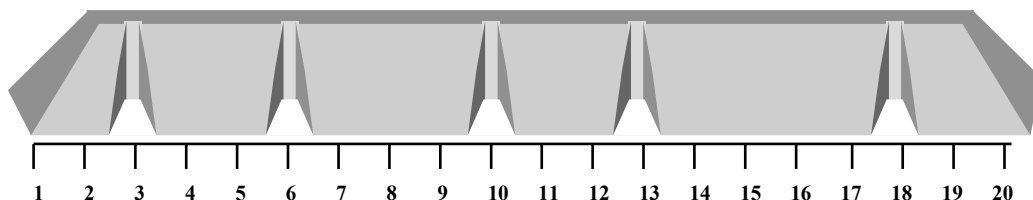


Fig 02.01-B1 Hypothetical sample collection pattern from a compost windrow.

NOTE 1B—In this example, a scale from 1-20 is superimposed on the long dimension of a compost windrow. Five distances (3, 6, 10, 13 and 18 m) are randomly selected to each side of the windrow, (e.g., numbers randomly pulled from a hat), to assign sample collection locations. Point-samples are collected from within three zones at each cutout.

NOTE 2B—The illustrated cut-outs are depicted on one side of the windrow; in a real operation, the cut-outs must be randomly assigned to each side of the windrow. Cone-shaped piles have a circular base. Measure around the base of a cone-shaped pile and randomly assign cutout positions along the pile’s meridian, or circumference.

10. Apparatus for Method B

10.1 *Sampling Container*—five 16- to 20-L (4- to 5-gal), plastic (HDPP), glass.

10.1.1 *Organic Contaminant Tests*—For samples to be analyzed for the presence of organic contaminants, please refer to Table 02.01-6 Organic Contaminant Tests: Sampling containers and conditions for compost and source ingredient testing. Modify sample packaging steps presented in this section accordingly.

10.2 *Sampling Device*—silage auger, tilling spade, or other appropriate sampling device.

10.3 *Tractor Loader*—with loader, (e.g., Bobcat, etc.).

10.4 *Trowel*—high-density polypropylene (HDPP), for stirring and mixing composite sample.

10.5 *Pail*—16- to 20-L (4- to 5-gal), square pails, Use standard 5-gal plastic pails for shipping only when square pails are not available (e.g., square pails are available through Cleveland Bottle & Supply Co.; 850 East 77th Street, Cleveland, OH 44103; telephone: 216 881 3330; Fax: 216 881 7325; URL: <http://www.clevelandbottle.com/sqrpail.html>).

11. Reagents and Materials for Method B

11.1 *Plastic Bags*—three 4-L (1 gal) durable bags with seal, (e.g., Ziploc® Freezer bags).

11.2 *Plastic Gloves*.

11.3 *Tarp*—clean plastic, canvas, or other type of mixing surface if feedstock is liquid sludge.

11.4 *Cold Packs*—chemical ice packs, or 4-L plastic bags (e.g., heavy duty Ziploc® freezer bags) filled with approximately 0.5 L of water and frozen flat. One ice pack per 4-L sample container of compost to be shipped, (e.g., three ice packs are recommended for three compost 4-L samples).

11.5 *Aluminum Foil*—lining for plastic shipping pail, and

11.6 *Packing Material*—newspaper or other appropriate bulking material to be used as packing or fill to minimize sample movement within the shipping container (square pail) during shipping.

11.7 *Adhesive Tape*—duct tape, 5-cm (2-in.) width.

12. Procedures for Method B

12.1 *Cut into Finished Compost*—Using tractor skid-loader, bobcat or shovel, or sample boring device, cut into the finished compost pile or windrow at five or more randomly selected positions. Collect samples from the full profile and breadth of the compost windrow or pile. Refer to Fig 02.01-B1.

12.2 *Collect Point-Samples*—Samples of equal volume are extracted from the compost pile at three depths or zones measured from the pile’s uppermost surface. Collect no less than five point-samples from each of the three depths or zones illustrated in Fig 02.01-B2. The five point samples for each zone must be collected in a manner to accurately represent the horizontal cross-section of the windrow or pile. Use a sanitized sampling tool (a gloved hand, clean shovel or auger) when collecting samples and when transferring samples to the 5-gal sample collection pail.

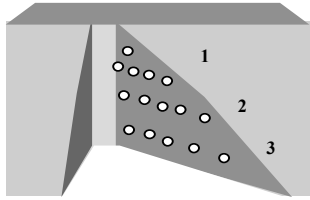


Fig 02.01-B2 Five horizontally dispersed point-samples are collected from each of three depths or zones within each cutout.

NOTE 3B—(1) upper $\frac{1}{3}$ of compost profile height; (2) middle $\frac{1}{3}$ of compost profile height; and (3) lower $\frac{1}{3}$ of compost profile height, where compost pile does not exceed the recommended overall height of 3 m. Create more than three sampling depths or zones within each cutout when the curing pile exceeds a height of 3 m, relative variability is high or the property of interest is found at very low concentrations, near the laboratory detection limit.

12.3 *Composite Point-Samples*—Place all 15 point samples from one cutout together into one sanitized plastic pail. Completely mix the point samples by stirring thoroughly with a sanitized wooden stick or lath, and by covering and shaking the pail to further mix the samples.

12.3.1 Repeat the blending process at least four times until all point samples are thoroughly blended to form one composite sample that accurately represents the compost for the cutout.

12.3.2 Proceed to the next compost sample cutout and repeat this process to collect one thoroughly blended composite sample from each of the five cutouts.

12.3.3 *Composite Sample*—Transfer the five composite samples from the sample collection pails onto a mixing tarp or other appropriately sanitized surface or container, such as into a large pail where all samples can be mixed, blended and then covered to minimize moisture loss. Thoroughly blend the five composite samples to form one large sample that represents the average condition of the entire batch or windrow in question.

12.3.3.1 Quarter the composite sample and thoroughly mix and quarter again. Continue to subdivide and split the sample into quarters and mix as described until sample size reaches approximately 12 L (3 gal).

12.4 *Stratified Sampling*—This sample collection strategy is used to evaluate for the presence of spatial variations or gradients in compost characteristics across and through a windrow or pile.

12.4.1 *Stratified Samples across Cutouts*—Use this sampling strategy to test for differences in compost characteristics between sample cutouts and along the longer dimension of a windrow. Do not composite materials from the five separate cutouts when

monitoring for the presence of gradients along the longer dimension of a windrow. Pack and prepare five separate samples (i.e., five separate composite samples, one from each cutout) for shipment as described in step 12.5.

12.4.2 *Stratified Samples within Cutouts*—Use this sampling strategy to evaluate for the presence of spatial variations or gradients that occur with changes in pile depth or distance from the windrow core to its surface.

12.5 Prepare for Shipment and Storage:

12.5.1 Transfer the blended compost to three 4-L (1-gal) sample bags, (e.g., plastic Ziploc® freezer bags).

12.5.2 Line the shipment pail with aluminum foil or other reflective material to minimize sample heat-gain. Place the sample bags containing the compost sample into the plastic pail and interleave with ice packs for shipping (refer to Fig 02.01-B3).

12.5.3 Cover the pail with its lid. Seal and secure the lid with a packing tape. Send the sample pail by one-day express delivery service to your selected laboratory for analysis. Include a chain of custody information sheet with environmental regulatory samples (Refer to Method 02.01-E).

NOTE 3B—Maintain cool samples at 4°C (39.2°F) to diminish microbial and chemical activity prior to and during sample shipment.

Foil lined plastic pail lid

Three 4-L sample containers

Two 4-L ice packs

Foil lined shipping pail

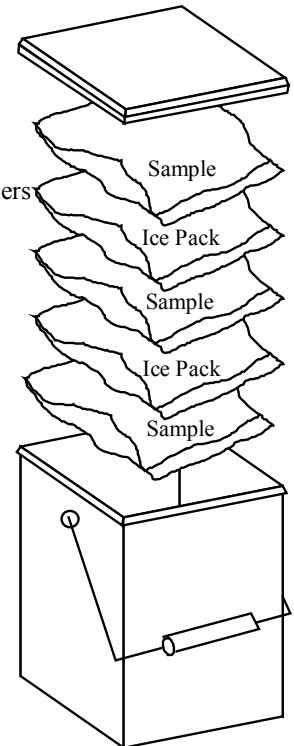


Fig 02.01-B3 Preparation for shipment.