

5102Permit1998 - Batch No.---

3

Schwaben Co.

51021998

C 51-02  
JOHNSTON CO.

**RECORD OF COMMUNICATION**

- PHONE CALL     DISCUSSION     FIELD TRIP     CONFERENCE
- OTHER (SPECIFY)

(Record of item checked above)

TO:

Ed Mussler

FROM:

Mark Fry

DATE

7-31-98

TIME

SUBJECT

Alternative Daily Cover - Johnston County.

SUMMARY OF COMMUNICATION

Ed,

This system appears to work well for Johnston County. I have no objection to granting permanent approval for its use and including it as a permit condition.

CONCLUSIONS, ACTION TAKEN OR REQUIRED

INFORMATION COPIES

TO:

FRD files / THIS IS RCD file copy / Photos included with RCD copy only.

*Johnston County*  
DEPARTMENT OF PUBLIC UTILITIES  
POST OFFICE BOX 2263  
SMITHFIELD, N. C. 27577  
(919) 989-5075

RECEIVED

JUL 28 1998

DIVISION OF WASTE MANAGEMENT  
METROLIFE REGIONAL OFFICE

RECEIVED

JUL 29 1998

DIVISION OF WASTE MANAGEMENT  
WASTE POLICE TRAINING CENTER

July 27, 1998

Mr. Mark Fry  
DENR  
225 Green Street  
Wachovia Bldg., Suite 601  
Fayetteville, NC 28301

Dear Mark:

Enclosed please find pictures of our auto tarp machine applying the tarp over the working face at the end of a working day. We have been using the tarp machine for 9 months now and feel that it performs adequately.

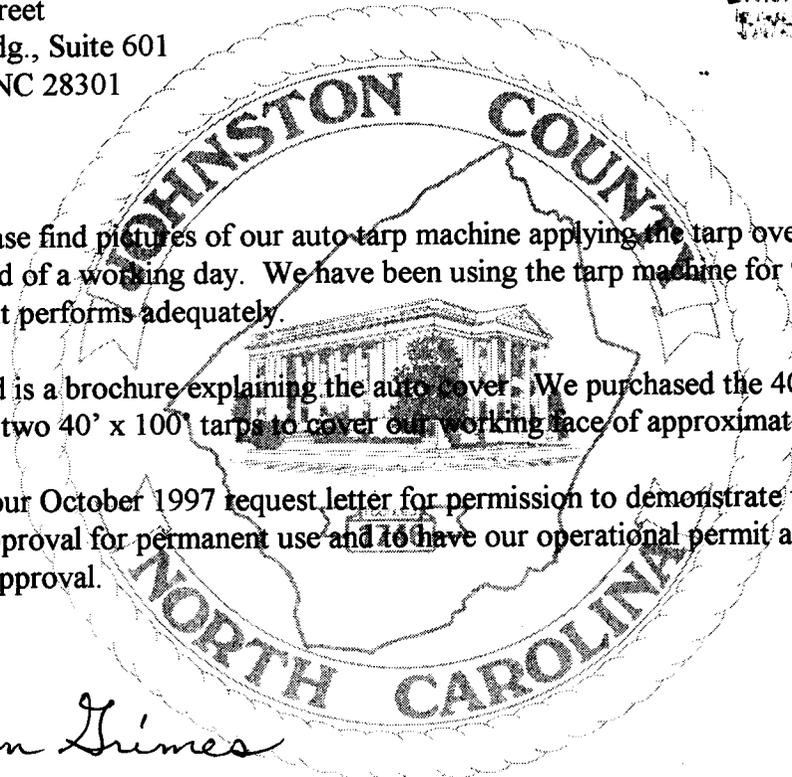
Also enclosed is a brochure explaining the auto cover. We purchased the 40' machine and currently use two 40' x 100' tarps to cover our working face of approximately 60' x 80'.

As stated in our October 1997 request letter for permission to demonstrate the cover, we would like approval for permanent use and to have our operational permit ammended to reflect such approval.

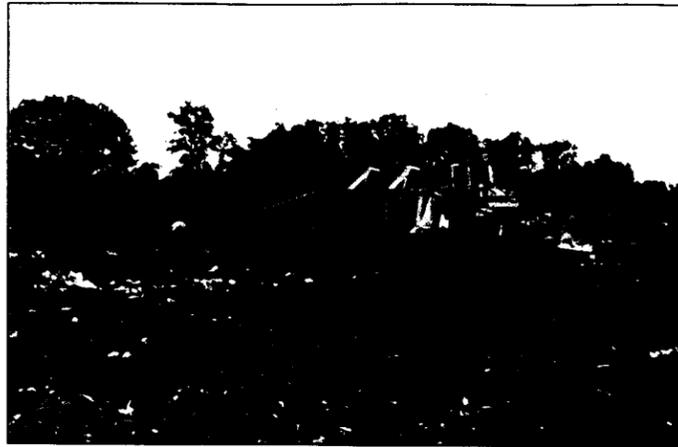
Sincerely,

*Warren Grimes*

Warren Grimes, Solid Waste Manager



APPROVED  
51-02  
DOCS A-3  
*[Signature]*  
8/5/2000



# • Tarpomatic Inc.

"Manufacturing Tomorrow's Technology Today" **RECEIVED**

JUL 29 1998

*Introducing*

DIVISION OF WASTE MANAGEMENT  
FAYETTEVILLE REGIONAL OFFICE

## DAILY COVER COST COMPARISON

DIRT	
Assumptions:	
8 min. round time	
Dozer with Scraper	\$81.00/hour
Excavation and Dirt:	
Cost/bank cu. yd.	\$93
900 loose cu. yd./day	
x	\$0.93
	\$837 Cost per day
x	5
	\$4185 Cost per week
x	52
	\$217,620 Cost per year
Lost Airspace:	
900 bank cu. yd./day	
x	\$10.00 revenue/cu. yd. lost
	\$9,000 Cost per day
x	5
	\$45,000 Cost per week
x	52
	\$2,340,000 Cost per year
Total Cost:	
\$9,837	Cost per day
\$49,185	Cost per week
\$2,557,620	Cost per year

MANUAL TARP PLACEMENT	
Labor Cost*	
10.514	
Operators 2@ \$12.50/hr	25.00 Cost per day
Laborers 4@ \$8.50/hr	\$34.00
	\$59.00 /hr
3 hrs/day	x 3
	\$177.00 Cost per day
x	5
	\$885.00 Cost per week
x	52
	\$46,020 Cost per year
Material Cost:	
Life Expectancy: 6 months**	
Cost per panel:	\$1,925
Number of panels:	x 9
	\$17,325
Estimated:	
	\$133 Cost per day
	\$666 Cost per week
	\$34,650 Cost per year
Total Cost:	
\$310	Cost per day
\$1,551	Cost per week
\$80,670	Cost per year

JMW AUTOMATIC TARP PLACEMENT	
Labor Cost*	
1@ \$12.50/hr	\$12.50 Cost per day
Operators 2@ \$8.50/hr	\$17.00
Laborers	\$29.50 /hr
1 hrs/day	x 1
	\$29.50 Cost per day
x	5
	\$147.50 Cost per week
x	52
	\$7,670 Cost per year
Material Cost:	
Life Expectancy: 18 months	
Cost per panel:	\$1,925
Number of panels:	x 9
	\$17,325
Estimated:	
	\$44 Cost per day
	\$222 Cost per week
	\$11,550 Cost per year
Total Cost:	
\$73.50	Cost per day
\$369.50	Cost per week
\$19,220	Cost per year

# JMW's Patented Automatic Tarping Machine

*Reduce Landfill Operational Costs*

### DAILY COVER COST COMPARISON ANNUAL SAVINGS

Using Tarp Panel Manual Placement instead of Excavation and Cover	\$2,476,950
Using Tarp Panel Machine Placement instead of Excavation and Cover	\$2,538,400
Using Tarp Panel Machine Placement of instead of Manual Placement	\$61,450

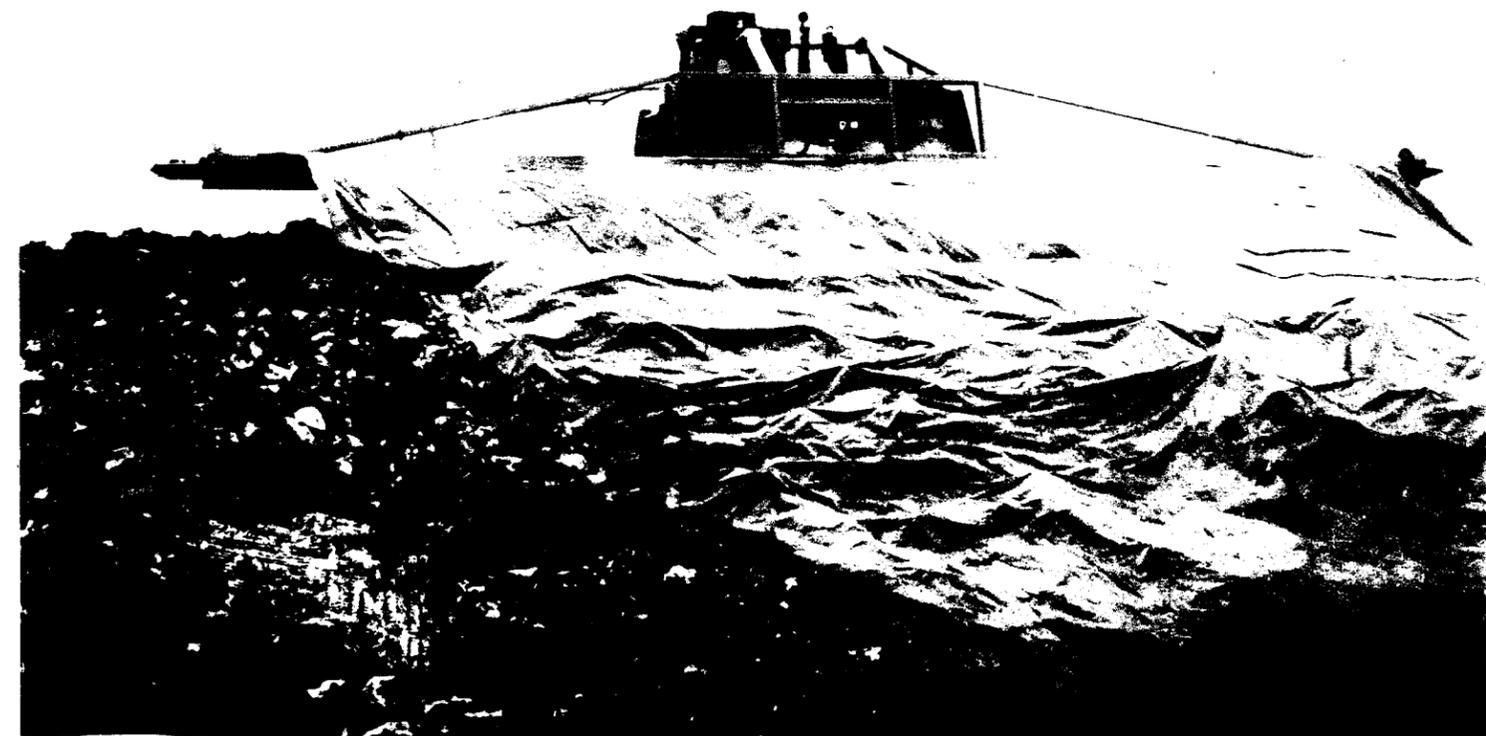
\*Note: Labor Costs include wage, tax and benefits costs.  
\*\*Note: Panels have a greater chance of being damaged when placed manually, even on first use.

## FEATURES

- Modified to customers equipment
- Tarps up to 50' wide
- Tarps up to 450' long
- Self contained unit
- Weighted tarp hem lines
- Multiple uses for tarps

## BENEFITS FOR LANDFILLS

- Extends the life of your landfill
- Saves air space
- Reduces costly man hours
- Fast and easy covering and uncovering
- Eliminates employees direct contact with refuse
- Extends tarp life
- Eliminates need for ballast on tarps
- Tarps can be installed to reduce leachate wa
- Also may be installed as interim cover



1218 - 15TH STREET S.W.

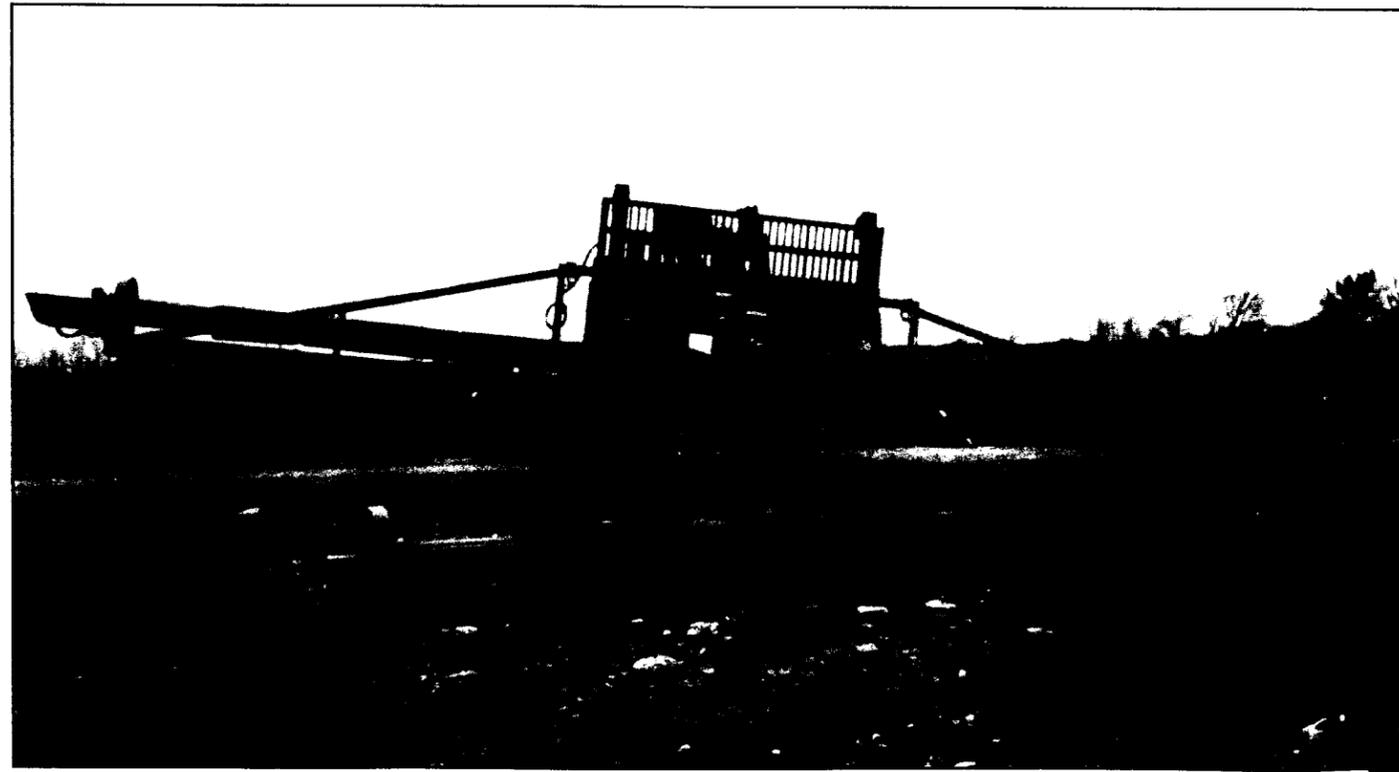
**1-800-500-5069**  
FINANCING AVAILABLE!

CANTON, OHIO 44706

APPROVED AUG 21 1998



QUICK AND EASY HOOK UP TO TARP MACHINE  
MOUNTING BRACKETS ARE CUSTOM FIT TO YOUR EQUIPMENT

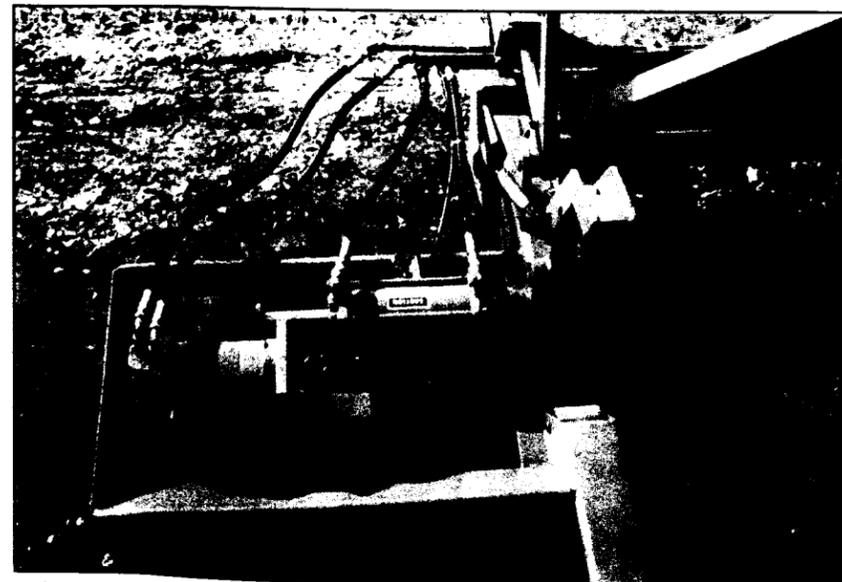
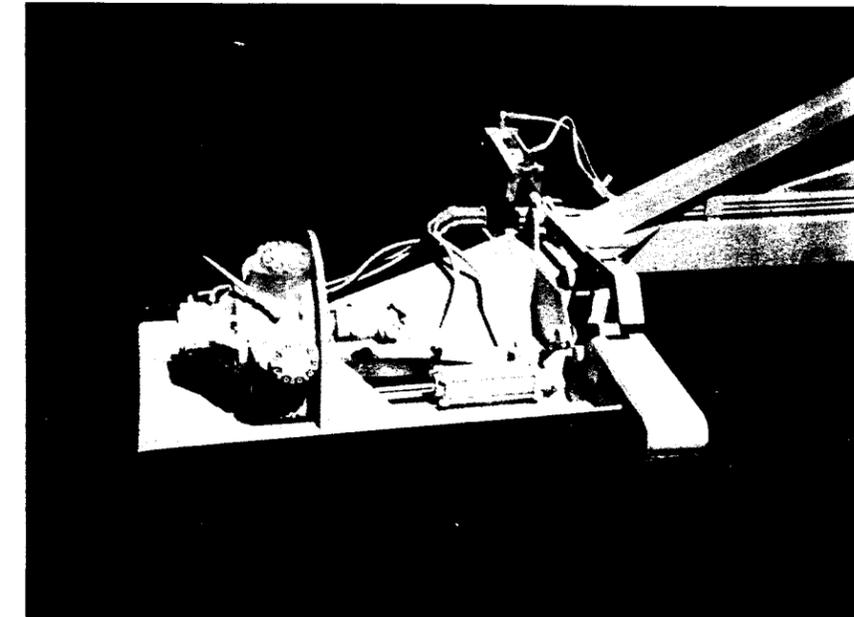


TILT CAPABILITIES ON DOZER MAKE FOR EVEN TRACKING  
WHEN WINDING UP TARPS OF VARIOUS WIDTHS AND LENGTHS



TARP MACHINE  
CONTROLS ARE  
MOUNTED IN DOZER  
CAB GIVING YOUR  
OPERATOR COMPLETE  
CONTROL FOR A  
QUICK AND EASY  
APPLICATION

HEAVY DUTY  
HYDRAULIC SYSTEM  
AVAILABLE WHERE  
HEAVILY WEIGHTED  
TARPS WOULD  
BE USED



STANDARD  
HYDRAULICS AND  
ENGAGING SYSTEM  
WITH VARIABLE  
SPEED CONTROL

NORTH CAROLINA DEPARTMENT OF  
ENVIRONMENT AND NATURAL RESOURCES  
DIVISION OF WASTE MANAGEMENT



JAMES B. HUNT JR.  
GOVERNOR

WAYNE MCDEVITT  
SECRETARY

WILLIAM L. MEYER  
DIRECTOR

January 12, 1998

Mr. Pieter K. Scheer, P.E.  
G.N. Richardson, & Associates  
425 N. Boylan Avenue  
Raleigh, NC 27603

RE: Johnston County Landfill- Phase 5 Leachate Piping Modification, Permit  
Number 51-02

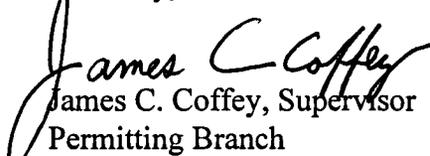
Dear Mr. Scheer,

The Division of Waste Management, Solid Waste Section, is in receipt of your letter of 7 January 1998. This letter requested a permit modification to allow alteration of the existing leachate collection system. The proposed modification is to remove existing sand and geotextile barriers over the leachate lines and replace the removed material with a layer of NCDOT 57 stone.

The Section has reviewed the request and hereby approves the modification to the existing approved plan. The letter and accompanying drawing will be added to the list of approved documents for permit 51-02.

If there are any further questions, please contact Mr. Mussler at 919-733-0692, ext. 343.

Sincerely,

  
James C. Coffey, Supervisor  
Permitting Branch  
Solid Waste Section

cc: Haywood Phthistic, Johnston County  
Jim Barber, DWM  
Mark Frt, DWM