



No ID Number

EPA ID: NCR0000000133

DATA ENTRY PERSONNEL  
Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
Entered by: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: A. D. Bean and Sons City: Winston-Salem, NC

EVALUATION DATA: New:  Change:  Delete:  (  Required)

Agency: 5 Date: 11/16/97 No. 11 Day 22 Year 97 Type: CDI Control Number Data Entry Personnel:             
Person: 008 BRANCH      REASON     

Coverage Areas: (E: Evaluated NE: Not Evaluated NA: Not Applic. D:Del.)

Generators

GBF	
GER	
GGR	
GLB	
GHR	
GOR	
GPT	
GRR	
GSC	

Transporters

TGR	
TMR	
TOR	
TWR	
TWD	

USED OIL

TUO	
TFO	
BUO	
MUO	
PUO	
RUO	

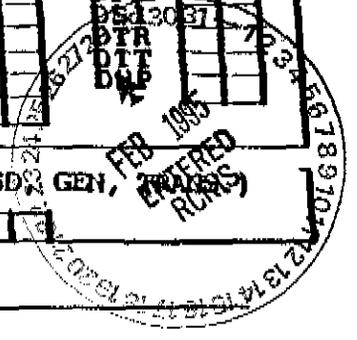
TSD's

DBF	
DCH	
DCL	
DCY	
DFR	
DGB	
DGH	
DIN	

DLB	
DLF	
DLT	
DHC	
DHR	
DOR	
DOT	

DPB	
DPF	
DPR	
DTR	
DTL	
DLE	

COMPLIANCE SCHEDULE (TSD, GEN, FEA, CAS)



Evaluation Comments: (72) 1

2

VIOLATION DATA: New:  Change:  Delete:

Agency:  Type:  Date (ndy) Determined: / /  Class:   
Priority:  Branch:  Person:  Seq. Number (Data Entry)   
Return to Compliance:  Scheduled  Actual   
Reg. Type:  Reg. Description (30): \_\_\_\_\_

Comment (72):

Agency:  Type:  Date (ndy) Determined: / /  Class:   
Priority:  Branch:  Person:  Seq. Number (Data Entry)   
Return to Compliance:  Scheduled  Actual   
Reg. Type:  Reg. Description (30): \_\_\_\_\_

Comment (72):

Agency:  Type:  Date (ndy) Determined: / /  Class:   
Priority:  Branch:  Person:  Seq. Number (Data Entry)   
Return to Compliance:  Scheduled  Actual   
Reg. Type:  Reg. Description (30): \_\_\_\_\_

Comment (72):

Continue violation data if necessary -

DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES  
DIVISION OF SOLID WASTE MANAGEMENT  
HAZARDOUS WASTE SECTION  
ACTIVITY REPORT

REPORT OF INVESTIGATION OR INSPECTION OF D.D. Bean and Sons Inc.  
Place Visited D.D. Bean and Sons Inc. County Forsyth  
Street Address 5620 Hanes Mill Road Time Spent 4 hours  
City Winston-Salem, North Carolina Date Nov. 16 and 21, 1994  
Person Contacted Jaime Simon and Ben Bean  
Reason for Visit Complaint Investigation- Improper Disposal of  
Manufacturing Chemicals (possibly hazardous)

Copies to:

Keith Masters, Western Area Supervisor, Asheville, N.C.  
Jaime Simon, D.D. Bean and Sons Inc., 5620 Hanes Mill Rd.  
Jim Bryan, Forsyth County Health Dept., Winston-Salem, N.C.  
Brad Devore, Womble, Carlyle, Sandridge and Rice, 301 South  
College Street, Charlotte, N.C. 28202-6025

Report

On November 16 and November 21, 1994 I met with representatives of the D.D.Bean and Sons Inc. company to discuss a recent complaint concerning the improper disposal of chemicals on the D.D.Bean property located at 5620 Hanes Mill Road in Winston-Salem, N.C. Several complaints had come to our attention about employees burying manufacturing chemicals on-site. One chemical mentioned by the complainants was red phosphorus. Red phosphorus is used by D.D. Bean and Sons Inc. to manufacture book matches. The red phosphorus is applied to the tips of the matches to provide a source or catalyst to ignite the matches.

On August 16, 1994 I had responded to this same complaint by conducting an investigation along with Mr. Jim Bryan with the Forsyth County Health Department. We met with Ms. Jamie Simon and Mr. Ben Bean concerning this matter. Mr. Bean described the process of manufacturing matches and escorted us on a tour of the facility. During our investigation we discovered that D.D. Bean operated a solid waste incinerator burning various non-hazardous solid wastes. This incinerator is permitted by the Forsyth County Environmental Affairs Department. We searched the areas in question for possible disposal of various waste materials but we were unable to confirm the complaint. We also learned during this investigation that D.D. Bean and Sons Inc. discharges their process wastewater through an on-site pretreatment wastewater system with disposal in the

city of Winston-Salem P.O.T.W. In this pretreatment process, red phosphorus is filtered by sand media and held in the pretreatment pits until they are cleaned out. Currently the red phosphorus removed from the pits is being reused in the manufacturing process. It is not known at this time how or where the red phosphorus had been disposed of in the past.

After receiving additional information, I met with Ms. Simon on November 16, 1994 to relay my concern about the complaints we were receiving. Also I told Ms. Simon that our office would like to continue our investigation by conducting on-site sampling in the areas where the disposal was alleged to have occurred. Ms. Simon stated that she would contact the appropriate company officials about this matter. Ms. Simon called me on November 17, 1994 and stated that employees with D.D. Bean and Sons Inc. would cooperate with our investigation including the collection of on-site soil samples.

Also on November 17, 1994 I received a telephone call from Mr. Brad Devore, Attorney with Womble, Carlyle, Sandridge and Rice in Charlotte, N.C. stating that he had been contacted by representatives of D.D. Bean and Sons Inc. concerning our complaint investigation. Mr. Devore proposed a meeting between personnel with D.D. Bean and Sons Inc., the Forsyth County Health Department and our office. Jim Bryan and I met with Mr. Devore and Mr Ben Bean on November 21, 1994 to discuss this matter. Mr. Devore and Mr. Bean stated that they would cooperate with us during our investigation by providing adequate personnel and equipment to excavate soil in the areas we believe disposal of red phosphorus may have occurred. These personnel are to properly trained under O.S.H.A. and RCRA regulations and provided with the proper personal protective equipment (PPE). After excavating soil in the areas selected, we will collect an adequate amount of soil samples to be representative of materials in the area. We will also split soil samples with personnel representing D.D. Bean and Sons Inc.

At the time of our meeting, we agreed to conduct the on-site investigation and soil sampling on Thursday December 1, 1994. N.C.D.E.H.N.R. samples will be collected in approved containers and transported by the proper chain-of-custody procedures to the North Carolina Department of Environment, Health and Natural Resources Laboratory for analysis. We will contact D.D. Bean personnel as soon as the sampling results have been received by our office.