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# HAZARDOUS MATERIALS BY LAW

## INTRODUCTORY TRAINING UNIT

BEDFORD BOARD OF HEALTH  
BEDFORD, MASSACHUSETTS

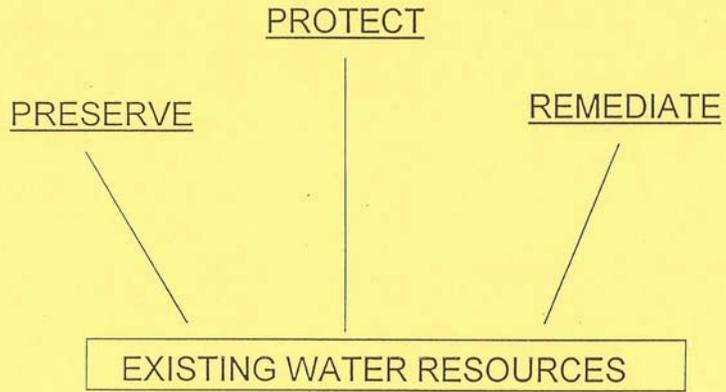
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# BEDFORD, MASSACHUSETTS

FOUNDED IN 1729

POPULATION - 13000

# MAJOR OBJECTIVES



# HAZARDOUS

MATERIALS

WASTES

LEAKS  
SPILLS

9 WELLS CLOSED

3 WELLS OPEN

|                                 | <u>FY'78</u> | <u>FY'92</u> |       |
|---------------------------------|--------------|--------------|-------|
| <b>USAGE</b>                    |              |              |       |
| TOTAL WATER<br>(gallons x 1000) | 592,932      | 535,366      | -9.8% |
| PURCHASED WATER                 | 220,453      | 351,366      | + 59% |
| BEDFORD WELL WATER              | 372,479      | 184,345      | - 50% |
| <b>COSTS</b>                    |              |              |       |
| PURCHASED WATER                 | \$ 55,291    | \$585,193    | +955% |
| BEDFORD WELL WATER              | \$359,600    | \$522,807    | + 45% |

**WHAT IS A HAZARDOUS MATERIAL?**

ANY SUBSTANCE OR MIXTURE POSING A POTENTIAL HAZARD TO HUMAN HEALTH, SAFETY OR WELFARE, OR TO THE ENVIRONMENT WHEN IMPROPERLY TREATED, STORED, TRANSPORTED, USED OR DISPOSED OF, OR OTHERWISE MISMANAGED

## LISTINGS OF HAZARDOUS MATERIALS

\*SARA PL 99-499

TITLE III- SECTION 302: 366 ACUTELY HAZARDOUS CHEMICALS  
SECTION 304: 725 CHEMICALS  
SECTION 311: OVER 50,000 CHEMICALS

\*MASS. "RIGHT TO KNOW Ch. 111F

SUBSTANCE LIST: 2,300+ CHEMICALS

\*MASS. GEN. LAWS CH21E

SECTION 310 CMR 40.00: 600 CHEMICALS/WASTES  
(appendix 1)

## CHARACTERISTICS

\*IGNITABILITY: FLASH POINT < 140F

\*CORROSIVITY: pH  $\leq$  2

pH  $\geq$  12.5

\*REACTIVE: EXPLOSIVE/GAS

PRODUCING IN WATER OR ACID

\*TOXIC: LEACH TOXIC CHEMICALS

# MAXIMUM CONTAMINANT LIMITS

(MCL DRINKING WATER STANDARDS)

1 GALLON OF HAZARDOUS MATERIAL CAN EFFECT

1 TRILLION GALLONS OF WATER

PPM (PARTS PER MILLION)

PPB (PARTS PER BILLION)

PPT (PARTS PER TRILLION)

## WHAT CAN YOU DO?

MINIMIZE OR ELIMINATE ACCIDENTS THAT  
IMPACT ADVERSELY ON THE ENVIRONMENT  
DURING:

DELIVERY

HANDLING

STORAGE

DISPOSAL