

City of Dickson

TN DEPT OF ENVIRONMENT
AND CONSERVATION

DWS/L&C

water department

JUN 3 9 50 AM '96

202 South Main Street
Dickson, Tennessee 37055
(615) 441-9502

DIVISION
OF WATER SUPPLY

May 30, 1996

Mr. Tom Moss
Tennessee Department of Environment & Conservation
Division of Water Pollution Control
6th Floor L & C Tower, 401 Church Street
Nashville, TN 37243-1549

Dear Mr. Moss:

Enclosed is the required submittal for the City of Dickson's Well Head Protection Plan for your review. If you have any questions or comments, please call me at (615) 441-9502.

Sincerely,

Mike Shelton

Mike Shelton
Pretreatment Coordinator

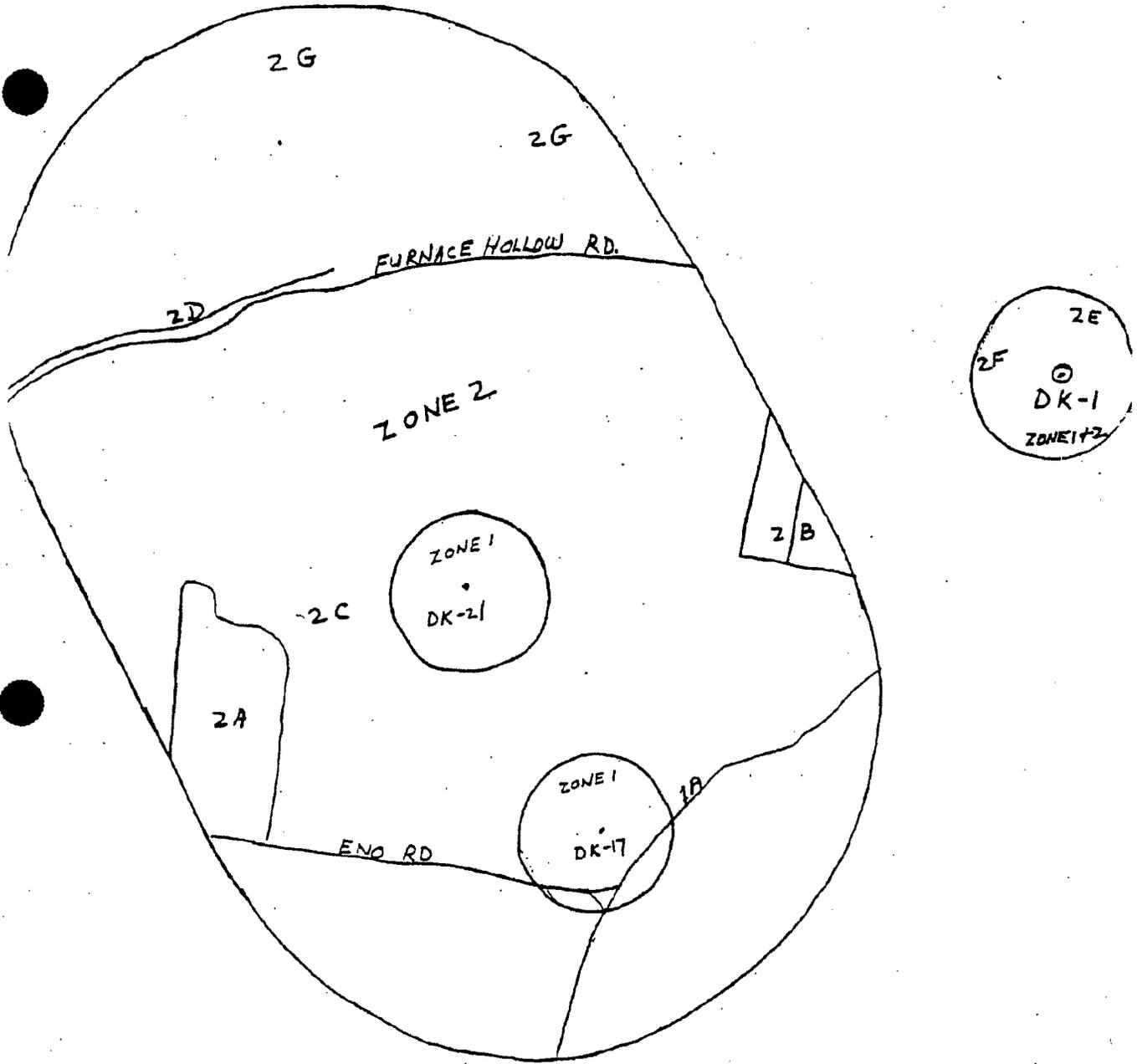
MS/mbd

Cc: Larry Gardner, Superintendent

Louis Burnett, Nashville Field Office

Enclosures: 1

POTENTIAL CONTAMINANT SOURCE INVENTORY MAP



KEY

- | | |
|----------------------------|-----------------------------|
| 1A TENN. HWY 48 S | 2D WORLEY FURNACE BRANCH |
| 2A DICKSON COUNTY LANDFILL | 2E RETAIL / COMMERCIAL AREA |
| 2B BRANNON TRAILER PARK | 2F URBAN RESIDENTIAL |
| 2C SLUDGE SPREADING SITE | 2G SUBURBAN DEVELOPING |

**APPENDIX 9
POTENTIAL CONTAMINANT SOURCE INVENTORY
PRELIMINARY CHECKLIST**

Public Water System: CITY OF DICKSON WATER DEPT.
PWSID# 0000191
County DICKSON
Well or Spring Name/# DK-1, DK-17, DK-21
USGS Quad Sheet(s) DICKSON QUADRANGLE 48-SW

POTENTIAL POLLUTION SOURCES

(Assign Number to correspond to map)

TRANSPORTATION

Major Highway IA TENN. HWY 48S
Railyard/Railroad _____
Airport _____
Interstate Trucking
Operation _____
Dept of Transportation
(County Garage) Facility _____
Other _____

AGRICULTURE*

Fruit & Vegetable _____
Nursery _____
Hog or Cattle Feedlots _____
Lagoons _____
Cotton or Tobacco _____
Other _____

APPENDIX 9
POTENTIAL CONTAMINANT SOURCE INVENTORY
PRELIMINARY CHECKLIST

Continued

INDUSTRIES**

Industrial Park _____

Chemical/Pesticide Mfg _____

Textile Mfg _____

Electronics Mfg _____

Petroleum Refining
& Storage _____

Asphalt Plant _____

Metal Treating/Plating _____

Metal Fabricating _____

Drum Cleaning/Reclaiming _____

Junkyards/Recycling
Operations _____

Hazardous Waste
Treatment or Storage
Facilities _____

Gas Stations _____

Landfills/Dumps 2 A _____

Wood Treatment _____

DISCHARGES

High Density of
Septic Systems 2 B _____

Underground Injection/
Return Flow _____

Major Sewer Lines _____

Sewer Plants _____

Sewer Uplift Stations _____

APPENDIX 9
POTENTIAL CONTAMINANT SOURCE INVENTORY
PRELIMINARY CHECKLIST

Continued

Lagoons (Industrial
or Municipal) _____

Sludge Spreading 2C _____

GEOLOGIC SETTING

Floodplain _____

Sinkholes _____

Open _____

Streams in bottom _____

Disappearing Streams _____

Dry Streams _____

Bluff Edge/Plateau _____

Rivers or Streams 2D _____

Ridge/Hilltop or Slope _____

INDUSTRIES, GENERAL

Small or Large Drum
Storage Area _____

Small or Large
Above Ground Tanks _____

Small or Large
Underground Tanks _____

Small or Large
Material or Waste
Piles _____

COMMERCIAL/RESIDENTIAL

Laundry or Car Wash _____

Dry Cleaning _____

Retail/Commercial Area 2E _____

Urban Residential 2F _____

APPENDIX 9
POTENTIAL CONTAMINANT SOURCE INVENTORY
PRELIMINARY CHECKLIST

Continued

Suburban and/or
Developing

2 G

Rural
(evidence of pit privy)

OTHER

Superfund Sites

Quarries

Gravel Pits

Cemeteries

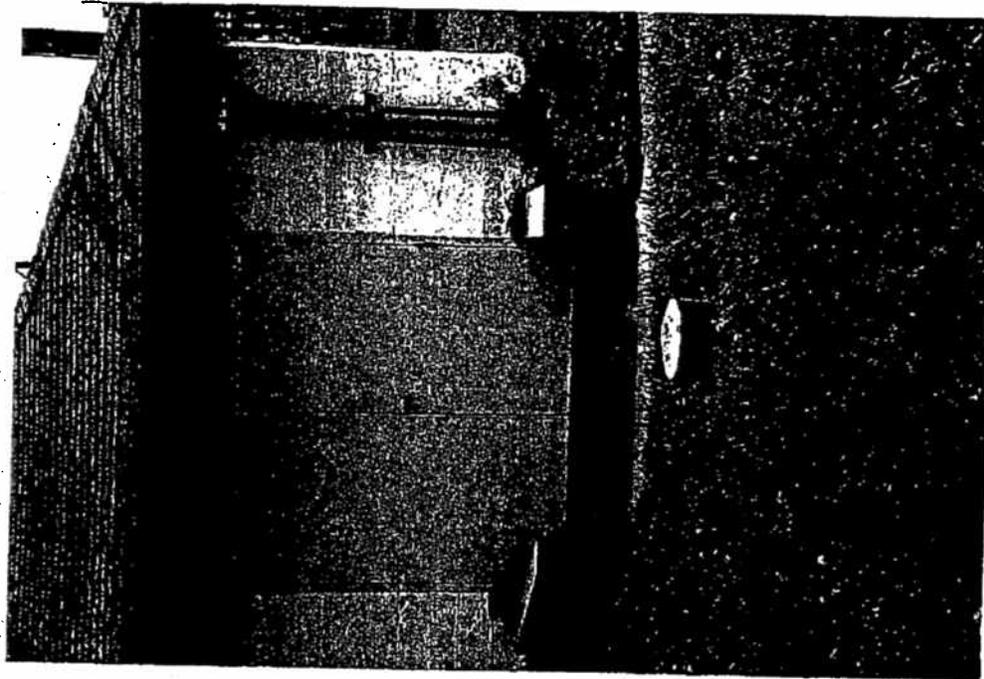
Abandoned Wells

Old Dump Sites

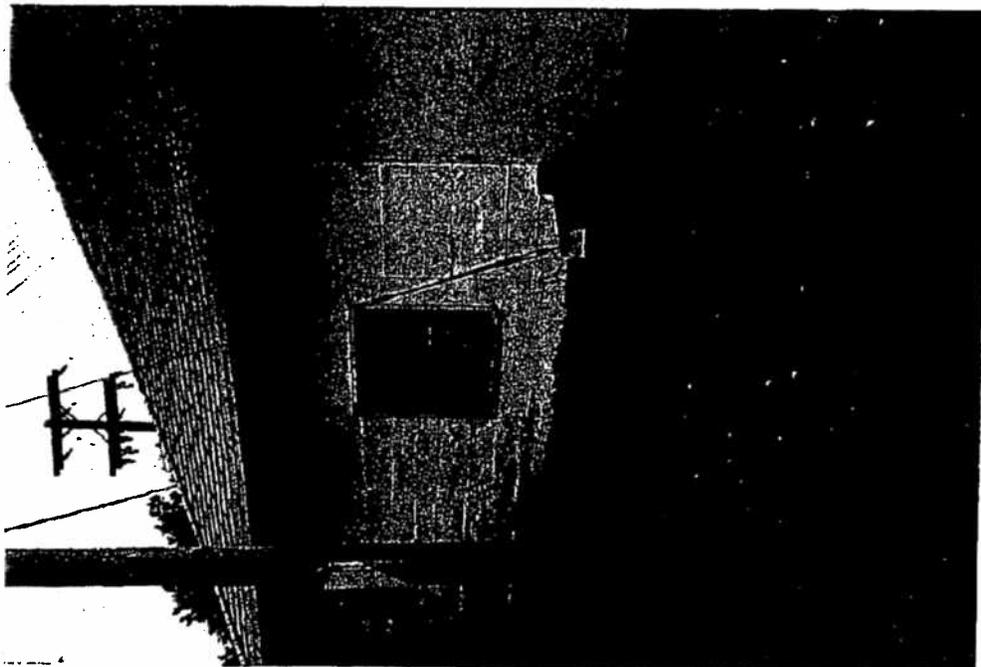
- * In Addition Contact County Agriculture Extension Agent and Soil Conservation Service for pesticide use in Wellhead Protection Area (Zones 1 & 2)
- ** In Addition Contact Local Fire Department for Community Right-to-Know Information for chemical use in Wellhead Protection Area (Zones 1 & 2)

OTHER COMMENTS

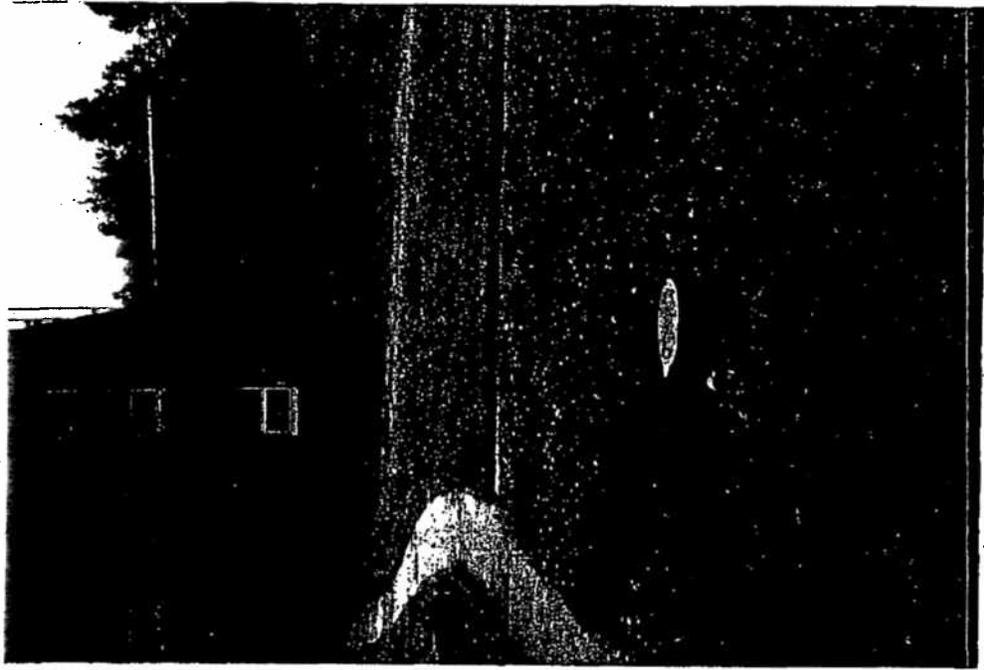
IN EARLY OCTOBER OF 1994 THE DICKSON
WATER DEPARTMENT WAS NOTIFIED BY
MR. JIM LUNN OF DICKSON COUNTY SOLID
WASTE THAT TRICHLOROETHYLENE HAD
BEEN DETECTED IN A SAMPLE FROM A SPRING
ON FURNACE HOLLOW ROAD. WE IMMEDIATELY
HAD WELL DK-21 TESTED FOR VOC'S.
THE RESULTS SHOWED ALL PARAMETERS <.0005 MG/L.



NORTHEAST FROM DK-1



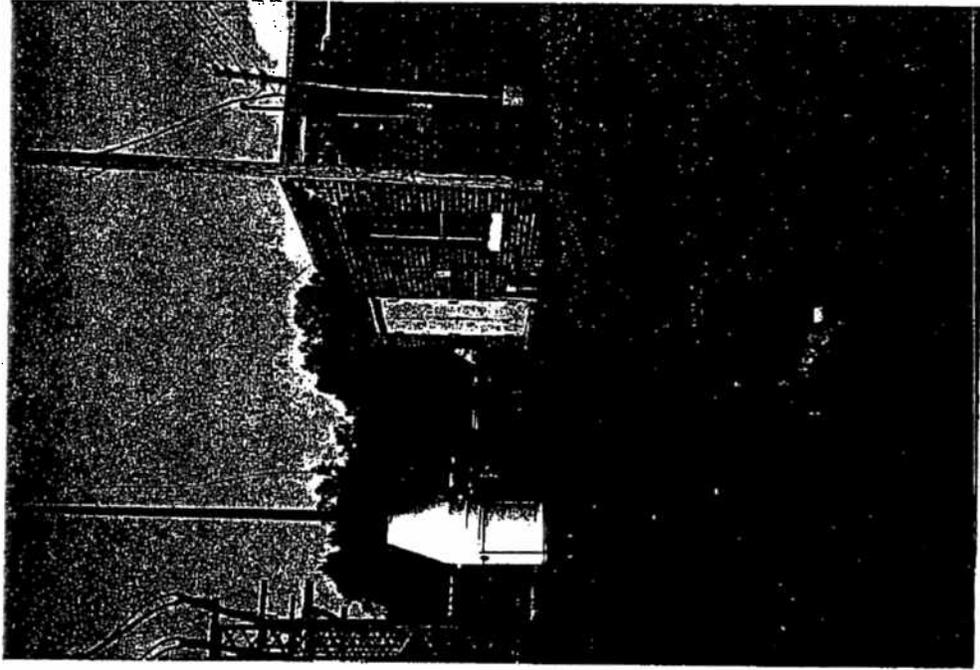
NORTH FROM DK-1



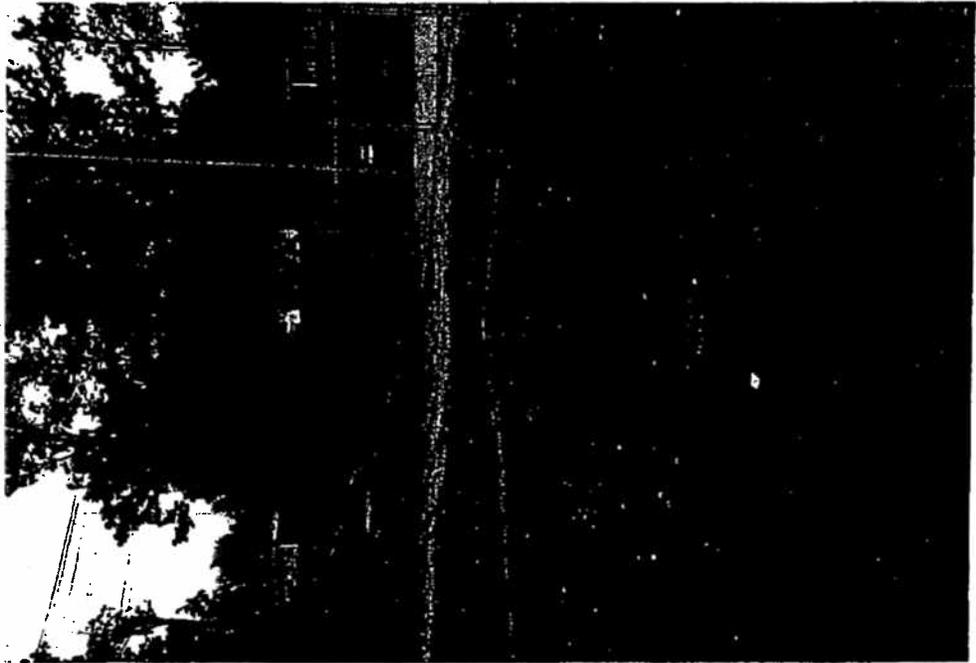
SOUTHEAST FROM DK-1



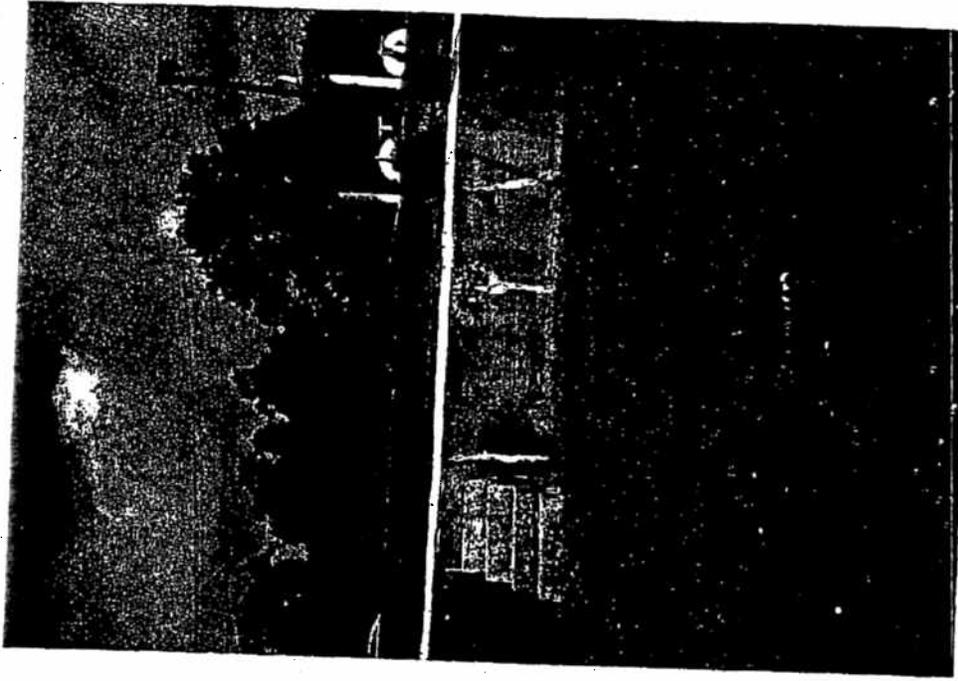
EAST FROM DK-1



SOUTHWEST FROM DK-1



SOUTH FROM DK-1



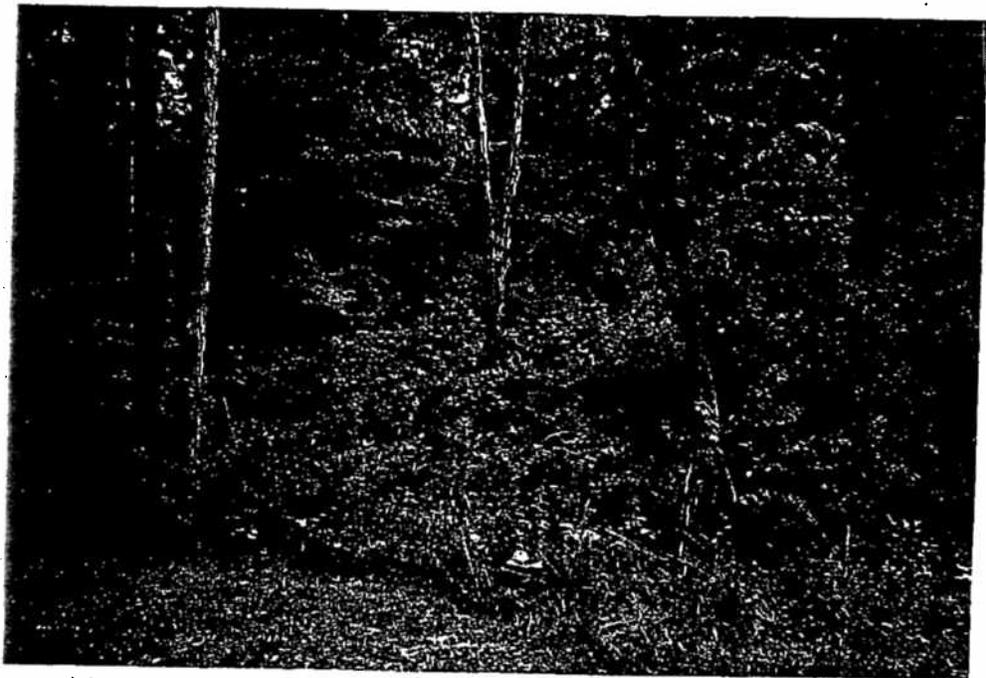
NORTH WEST FROM DK-1



WEST FROM DK-1



NORTH FROM DK-21,



NORTHEAST FROM DK-21



EAST FROM DK-21



SOUTHEAST FROM DK-21



SOUTH FROM DK-21



SOUTHWEST FROM DK-21



WEST FROM DK-21



NORTHWEST FROM DK-21



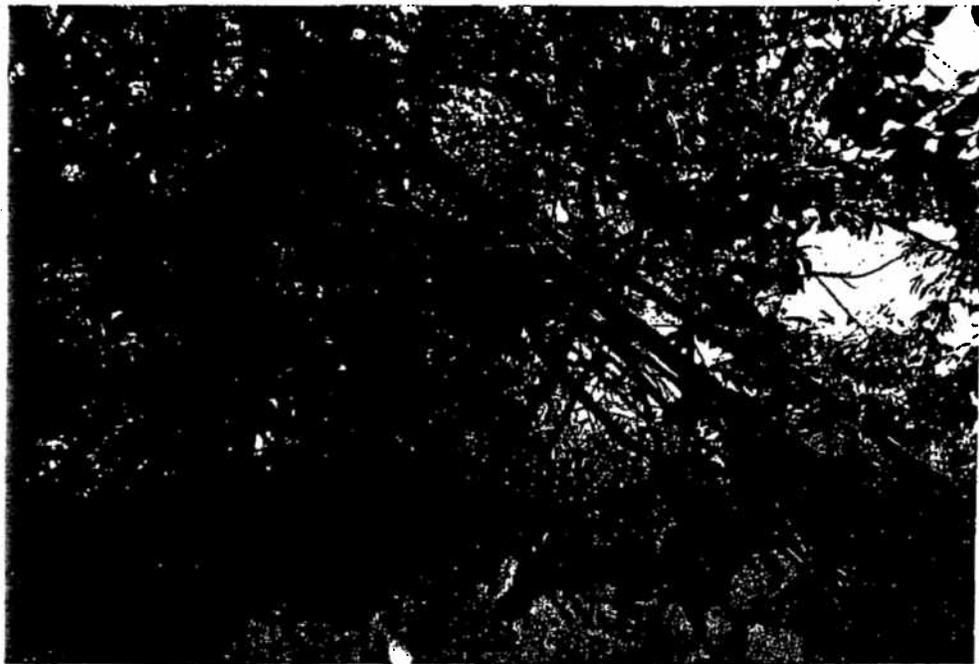
NORTH FROM DK-17



NORTHEAST FROM DK-17



EAST FROM DK-17



SOUTH EAST FROM DK-17



SOUTH FROM DK-17



SOUTHWEST FROM DK-17



WEST FROM DK-17



NORTH WEST FROM DK-17



TDEC/DWS/L&C
file.

11/21/95

**CITY OF DICKSON
WELL HEAD DELINEATION**

City of Dickson

water department

202 South Main Street
Dickson, Tennessee 37055
(615) 441-9502

November 21, 1995

Mr. Tom Moss
TENNESSEE DEPARTMENT
OF ENVIRONMENT & CONSERVATION
Division of Water Supply
401 Church Street
L & C Tower, 6th Floor
Nashville, TN 37243-1549

Dear Mr. Moss:

Enclosed is the wellhead delineation for the City of Dickson Water System. Using the ARAWB formula, Zone 2 for well DK-1 is 40.54 acres, and Zone 2 for wells DK-17 and DK-21 is 1508 acres. I have included a list of pertinent information on all wells which were measured.

If you have any questions, please contact me at (615) 441-9502.

Sincerely,

Mike Shelton

Mike Shelton
Pretreatment Coordinator

MS:mbd

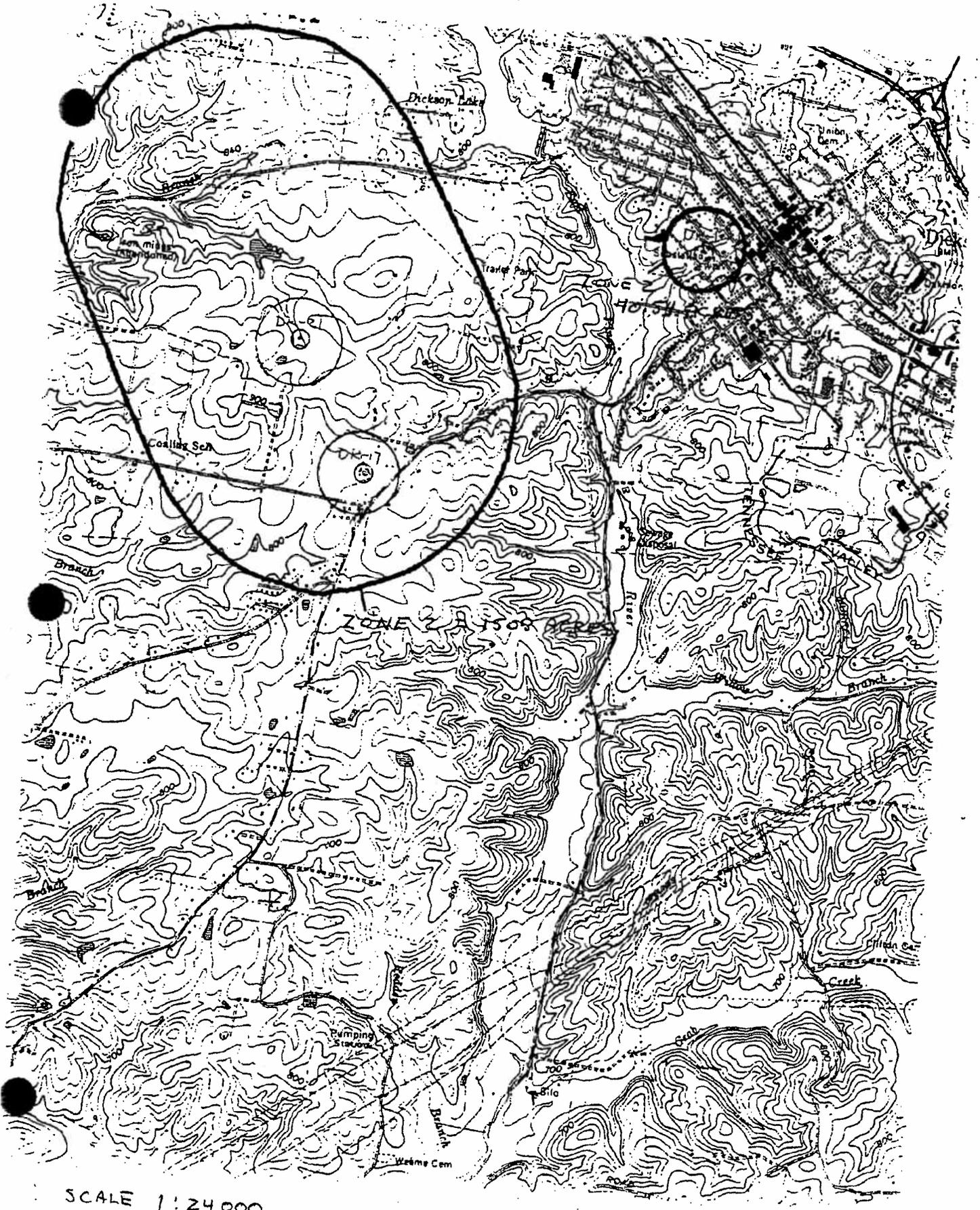
cc: Nashville Field Office
County Executive
County Planning Commission

*Back calculation
on ARAWB
would mean*

*approx. 200 gpm
for wells DK-17*

+ DK-21

Tom Moss



SCALE 1:24 000

WELL NO.	LATITUDE	LONGITUDE	(DMS) LAND SURFACE ELEVATION	MEASUREMENT TO STATIC WL	STATIC WL (DMS)	OWNER	TELEPHONE	DATE MEASURED	DATE REASURED	LOCATION IF USED
DK-14	38°04'11"	87°25'08"	841	60.18	771.84	BIRD ARMSTRONG	448-2466	10-08-85	14-20	
DK-13	38°04'08"	87°24'34"	847.24	74.67	771.17	BIRD ARMSTRONG	448-2466	10-08-85	14-20	
DK-71	38°04'12"	87°25'04"	832.88	63.88	778.88	CITY OF DICKSON	441-8688	10-09-85	10-45	CITY WATER SOURCE
TEHNSCO #2	38°05'38"	87°24'12"	840.72	52.82	787.90	TEHNSCO	448-8000	10-17-85	9-28	TEHNSCO PLANT #2
TEHNSCO #1	38°04'12"	87°25'28"	826	74.18	755.82	TEHNSCO	448-8000	10-17-85	9-28	TEHNSCO PLANT #1
ICE PLANT	38°04'22"	87°22'19"	794	54.98	738.19	PAUL LAMOND	448-2142	10-24-85	8-28	DICKSON ICE PLANT
DK-1	38°04'28"	87°25'28"	788	23.88	725.11	CITY OF DICKSON	441-8688	10-24-85	10-23	CITY WATER SOURCE
DK-28	38°04'21"	87°28'08"	822	33.88	786.24	MIKE CASBYA		10-24-85	12-27	
DK-20	38°04'08"	87°26'01"	847.12	74.48	778.84	BIRD ARMSTRONG	448-2466	10-24-85	12-26	
DK-10	38°03'58"	87°24'48"	864	76.88	783.00	CITY OF DICKSON	441-8688	10-24-85	12-26	
DK-24	38°04'02"	87°24'11"	744.82	2.18	741.88	CITY OF DICKSON	441-8688	10-24-85	12-26	
DK-16	38°03'48"	87°24'48"	823.28	88.88	793.67	CITY OF DICKSON	441-8688	10-25-85	12-26	
DK-17	38°03'48"	87°24'48"	822.81	88.28	782.86	CITY OF DICKSON	441-8688	10-25-85	14-28	
DK-18	38°03'48"	87°24'48"	881.83	87.18	764.77			10-25-85	14-27	
DK-8	38°03'42"	87°18'28"	847	74.88	766.17	DICKSON COUNTY	448-0018	10-25-85	14-27	
DK-19	38°04'22"	87°24'48"	886	43.88	785.48	P. T. ENB	441-3182	10-25-85	14-28	
BUCKNER PARK	38°03'22"	87°24'22"	812	12.17	806.17	CITY OF DICKSON	448-1721	10-30-85	11-19	



DSWM
DWPC
NEAC

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE ENVIRONMENTAL FIELD OFFICE
537 BRICK CHURCH PARK DRIVE
NASHVILLE, TENNESSEE 37243-1550

April 7, 1998

Mr. Jim Lunn
Dickson County Landfill
100 Virgil Bellar Drive
Dickson TN 37055

Certified P568229652

RE: Notice Of Violation (NOV) / Compliance Evaluation Inspection (CEI)
Dickson County Landfill
Tennessee Multi-Sector General Storm Water Permit No. TNR053048
Dickson, Dickson County

Dear Mr. Lunn,

On April 2, 1998, I met with you to perform a Compliance Evaluation Inspection (CEI) of the Dickson County Landfill for the requirements of the Tennessee Multi-Sector General NPDES Storm Water Permit, TNR053048. This correspondence serves to document the CEI and notify you of the corrective actions required by the Division of Water Pollution Control (the Division) for compliance under the General Permit.

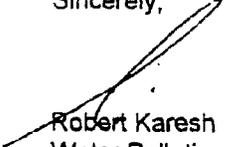
At the time of the inspection, leachate was observed discharging to Worley Furnace Branch via Outfall 003. The discharge of leachate through Outfall 003 is considered to be a process wastewater discharge, and is not covered by the General Permit to discharge storm water. Dickson County Landfill is required by the Division to immediately take action to terminate the discharge.

Due to either inadequate or improperly implemented sediment and erosion control Best Management Practices (BMPs), or poor operation and maintenance, large amounts of sediment have migrated via storm water run-off and have been deposited in the conveyance downstream of Outfall 003. Additionally, sediment deposits and storm water conveyance scouring were observed downstream of Outfall 001.

Dickson County Landfill is in violation of the Tennessee Multi-Sector General NPDES Storm Water Permit for the discharge of leachate, and for the failure to properly implement and/or modify the facility Storm Water Pollution Prevention Plan (SWPPP) in an effort to reduce the discharge of pollutants to Waters of the State. As a result, Dickson County Landfill must submit an outline of the corrective actions that will be taken to come into full compliance with the General Permit. This outline, as well as a timetable for implementation, must be submitted to the Nashville Environmental Assistance Center within four (4) weeks of the receipt of this correspondence.

Thank you for you time during the inspection. If you have any questions concerning this correspondence, please call me at (615) 650-7259.

Sincerely,



Robert Karesh
Water Pollution Control
Nashville Environmental Assistance Center

cc: Sims Crossover - Enforcement and Compliance Section
Al Majors - Division of Solid Waste Management