



New Jersey Geological Survey
Open File Report No. 84-1

New Jersey
Ground Water Pollution Index
September, 1974 – April, 1984

Thomas H. Kean, *Governor*
Robert E. Hughey, *Commissioner*

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NEW JERSEY

GROUND WATER POLLUTION INDEX

SEPTEMBER, 1974-APRIL, 1984

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NEW JERSEY
GROUND WATER POLLUTION INDEX
SEPTEMBER, 1974-APRIL, 1984

ABSTRACT

The Ground Water Pollution Index - September, 1974-April, 1984 is a listing of ground water pollution cases investigated by the New Jersey Department of Environmental Protection, Division of Water Resources, during that period. Each case is described by name, number, location, and brief synopsis. The Index is a revision of Ground Water Pollution Index - September, 1974-January, 1983 (New Jersey Geological Survey Open-File Report No. 83-1 by Timothy Stone). New cases have been added and older cases have been updated. 627 cases are listed. Of these, 307 are under investigation or in litigation. In addition, 43 industrial facilities and 23 hydrocarbon spill sites were undergoing state-monitored decontamination.

INTRODUCTION

The Ground Water Pollution Index was prepared to supply basic information on the major ground water pollution incidents in New Jersey. For each ground water pollution case investigated by the Department of Environmental Protection, Division of Water Resources, between 1974 and April, 1984, the index provides information on location of the incident, contaminants involved, remedial action taken, current conditions and administrative status.

The synopses that appear in the text were prepared by the geologists assigned to the particular case. Each synopsis summarizes in a few sentences information from internal reports, site visits, and consultant reports. Hundreds of pages of documentation exist concerning some of these sites.

627 cases are cataloged. This is by no means a complete listing of all ground water contamination incidents in New Jersey. The Index shows only cases which have been investigated by the Division of Water Resources and consists largely of cases which have had moderate to severe impact on ground water quality. It includes only a few of the hundreds of spills and leaks of

gasoline and fuel oil which occur each year. Some of these incidents are discovered when nearby wells become contaminated.

Ground Water Pollution Investigations in New Jersey, 1974-1984

The first unit specifically designated for the investigation of ground water pollution in New Jersey was the Ground Water Section of the Division of Water Resources, Office of Special Services. It was organized in November, 1974. In 1977 this section became a part of the Bureau of Water Quality Planning and Management and assumed a major role in the preservation of the New Jersey Pinelands Critical Area through the issuance of septic system permits based on water quality:

Increasing public awareness of ground water issues led, in 1980, to the formation of the Bureau of Ground Water Management. The Bureau consisted of four sections: Ground Water Pollution Analysis, Ground Water Permits, Residuals Management, and Ground Water Resources Evaluation.

In 1982 New Jersey assumed responsibility for functions of the National Pollutant Discharge Elimination System (NPDES) through an equivalent state program, the New Jersey Pollutant Discharge Elimination System (NJPDDES). The State regulations require that ground water discharges be regulated and provide a mechanism to monitor discharges to ground water lagoons, landfills, wastewater spray irrigation systems, land disposal areas for sludge, and large septic systems through permitting. In part because of the new responsibilities under NJPDDES, the Ground Water Permits and Residuals Management Sections were transferred in 1982 to the Water Quality Management Element and combined to form the Bureau of Ground Water Discharge Permits. This placed all ground water permitting functions within one agency. At the same time all ground water staff in the Division of Waste Management were transferred to either the Bureau of Ground Water Management or the Bureau of Ground Water Discharge Permits, thereby consolidating all DEP ground water staff within the Division of Water Resources.

In February, 1983, The Bureau of Ground Water Management became part of the New Jersey Geological Survey. The Survey now provides technical assistance to the Department on all matters involving ground water or geology.

The New Jersey Geological Survey, Bureau of Ground Water Pollution Analysis, is, in effect, an internal consultant specializing in ground water pollution investigations. Program staff do not become involved in a case until it has been screened by the regulatory programs of the Division of Water Resources or

Division of Waste Management and a request for assistance has been made by one of these agencies. Inquiries from the public are usually referred to these agencies.

As of April, 1984, the Bureau of Ground Water Pollution Analysis was investigating or assisting in the investigation of 307 ground water pollution cases and monitoring long-term ground-water cleanup operations at 43 industrial facilities and 23 hydrocarbon spill sites.

Guide to the Use of the Index

Organization of the Index follows that of the tracking system used by the Bureau of Ground Water Pollution Analysis for ground water pollution cases. Cases are grouped according to five general categories as follows:

Accidental [A]: Cases in this category are generally accidental spills or gasoline, fuel oil tank or pipeline leaks. Gasoline station and residential oil tank leaks make up a large portion of these cases.

Illegal Dumping [D]: Cases in this category are usually deliberate, unpermitted dumpings of waste materials in drums or discharges from tank trucks. Often the dumping takes place on vacant tracts of land.

Industrial [I]: Cases in this category generally originate at industrial facilities. Pollution sources are commonly lagoons, chemical or waste storage tanks, septic systems, dry wells, process line leaks, inadequate treatment facilities or the result of poor housekeeping practices.

Landfills [L]: Cases in this category generally are permitted landfills. In many instances hazardous wastes were illegally dumped at these landfills.

Septic Systems [S]: Cases in this category are the result of failure of residential septic systems. In most cases the failures are due to improper design. Generally septic system failures are handled by local health officials but a few complex cases have been investigated by the DEP.

Each entry contains the following information, arranged as shown in figure 1:

Index Code: The index code consists of a letter indicating the general category into which the case falls (A, D, I, L, or S as discussed above) followed by a case number. Case numbers are assigned consecutively as cases are received by the Bureau of Ground Water Pollution Analysis.

Case Name: The case name is generally the current property owner's name. A site without any common name or for which the ownership is in question may be identified by reference to location or some identifying feature, as in

FIGURE 1. EXAMPLE SHOWING FORMAT OF ENTRIES.

① I-450 ② Industrial Co., ③ Edison Twp. (Nixon), Middlesex Co. ④ 2/82

⑤ Untreated wastewater from the company's plating facility was discharged onto the ground for three years. Three monitor wells were installed to determine the extent and nature of ground water pollution. Analyses showed heavy metals and organic chemical contamination.

⑥ Investigation continuing. ⑦ Qps/Trb

① Index Code

② Case Name

③ Location

④ Date Opened

⑤ Synopsis

⑥ Status

⑦ Geologic Formation

"Prospect Street Spill."

Location: The municipality and county are listed. If appropriate, place name within a municipality may be shown in parentheses.

Date: This is the month and year the case was assigned to the New Jersey Geological Survey or one of the precedent units listed in the discussion, Ground Water Pollution Investigation in New Jersey, 1974-1983, above.

Synopsis: This is a brief summary covering the nature of the case, contaminants involved, remedial action taken, and the current situation. Abbreviations, symbols, and acronyms used in the synopses are listed in table 1.

Status of Case: This is the current administrative status. One of the eight designations listed in table 2 is used.

Geologic Formation at Site: The geologic formation underlying the site is usually listed using abbreviations shown in table 2. The uppermost formation or unit is listed first. Underlying units are listed after a slash. If distinct units are present beneath different portions of the site, symbols for both are shown separated by a comma. Description relevant to the particular site is in parentheses after the symbol. As an example, Qsd,Qt/Or (cavernous) describes a site in which cavernous bedrock of the Rickenbach Formation is covered in some areas by Wisconsinan till and in some areas by Wisconsinan stratified drift.

Information on a particular site can be found by consulting the case name index if the name used by the New Jersey Geological Survey is known or by reference to the County and Municipality Index if it is not. The major known pollution incidents in an area can be found by searching the County and Municipality Index. It must be emphasized that the report does not list all pollution sites in New Jersey and should not be relied upon either as a complete inventory or in comparing areas.

ACKNOWLEDGEMENTS

Many individuals contributed to the revision of this publication. Each of the geologists of the Bureau of Ground Water Pollution Analysis contributed entries. Lisa Mirmanesh spent many hours obtaining and reviewing these entries. David Harper provided further review and editing. Jeffrey Hoffman developed the computer program and entered data to plot locations of cases. William Graff prepared the plates for publication.

TABLE 1. ABBREVIATIONS, SYMBOLS AND ACRONYMS FOR NON-GEOLOGIC TERMS.

| | |
|------------------|---|
| Ag | Silver |
| Al | Aluminum |
| As | Arsenic |
| Au | Gold |
| Ba | Barium |
| BOD | Biochemical Oxygen Demand |
| BGWDP | Bureau of Ground Water Discharge Permits |
| Ca | Calcium |
| Cd | Cadmium |
| Cl | Chloride |
| CN | Cyanide |
| COD | Chemical Oxygen Demand |
| Cr | Chromium |
| Cu ⁺⁶ | Copper |
| DOT | NJ Department of Transportation |
| DRBC | Delaware River Basin Commission |
| DWM | NJDEP, Division of Waste Management |
| DWR | NJDEP, Division of Water Resources |
| EPA | U.S. Environmental Protection Agency |
| F | Fluoride |
| Fe | Iron |
| gpm | gallons per minute |
| Hg | Mercury |
| K | Potassium |
| Mg | Magnesium |
| mg/l | milligrams per liter |
| Mgd | million gallons per day |
| Mn | Manganese |
| Na | Sodium |
| NJDEP | N.J. Department of Environmental Protection |
| NJGS | N.J. Geological Survey |
| NJPDES | New Jersey Pollutant Discharge Elimination System |
| Ni | Nickel |
| NO ₃ | Nitrate |
| Pb | Lead |
| PBB | Polybrominated biphenyl |
| PCB | Polychlorinated biphenyl |
| PCE | Tetrachloroethylene |
| ppm | parts per million |
| PVC | Polyvinyl Chloride |
| Se | Selenium |
| Si | Silica |
| SO ₄ | Sulfate |
| Superfund | Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) |
| TCE | Trichloroethylene |
| TDS | Total Dissolved Solids |
| TOC | Total Organic Carbon |
| Zn | Zinc |

TABLE 2. STATUS DESIGNATIONS FOR GROUND WATER POLLUTION CASES.

| | |
|----------------------------|---|
| Investigation Continuing | Data gathering (drilling, sampling and other activities) are still in progress. |
| Case in Litigation | Dispute between the party believed responsible for the problem and the state or local government led the case into court. |
| Decontamination Continuing | Interception, pumping or treatment of contaminated ground water is under way. |
| Recovery Continuing | Product (such as gasoline, fuel oil or chemicals) is being recovered. Usually this is floating product above the water table. |
| Monitoring | Wells are being sampled regularly and results reviewed to ensure continued abatement of the problem. |
| Transferred to BGWDP | Transferred to Bureau of Ground Water Discharge Permits for the issuance of a permit. |
| Case Closed | Ground water pollution has abated or assistance of a geologic nature is no longer required. Any case may be reopened if problems develop. |
| Case Inactive | Investigation has been temporarily suspended (for example to await hiring of a consultant, completion of laboratory testing, issuance of a permit or completion of negotiations). |

TABLE 3. SYMBOLS FOR GEOLOGIC UNITS.

| | | | |
|------|---|------|--|
| bb | Basic volcanic breccia | PC | Pre-Cambrian (undifferentiated) |
| bgn | Byram Gneiss | pgn | Pochuck Gneiss |
| Ca' | Allentown Formation | Qal | Alluvium |
| Ch' | Hardyston Formation | Qbs | Beach Sand & Gravel |
| Cl | Leithsville Formation | Qbt | Bridgeton Formation |
| Cok | Kittantiny Limestone | Qchb | Cape May Formation, Holly Beach Aquifer |
| Dbp | Bellvale Sandstone & Pequanae Shale | Qcm | Cape May Formation |
| Des | Esopus Grit | Qed | Early Drift (Pre-Wisconsinan) |
| Dkn | Kanouse Sandstone | Qgu | Wisconsinan glacial (undifferentiated) |
| Dnc | New Scotland, Stormville & Coeymans Formations | Qm | Moraine |
| Dob | Oriskany & Becraft Limestone | Qps | Pensauken Formation |
| Dsk | Skunnemunk Conglomerate | Qrd | River Drift |
| fl | Franklin Limestone | Qrm | Recessional Moraine (Wisconsinan) |
| fnd | Formation not determined | Qs | Quaternary sands |
| gb | Gabbro | Qsd | Stratified Drift (Wisconsinan) |
| gn | Gneiss | Qt | Till (Wisconsinan) |
| gr | Granite | Qtm | Terminal Moraine (Wisconsinan) |
| Ket | Englishtown Sand | Qu | Quaternary (undifferentiated) |
| Kmo | Marcellus Shale & Onodaga Limestone | Rf | Fill |
| Kmr | Magothy & Raritan Formations | Ru | Recent (undifferentiated) |
| Kmt | Marshalltown Formation | Sbd | Late Silurian formations |
| Kmv | Merchantville Clay | Sd | Decker Limestone & Longwood Shale |
| Kmw | Mt. Laurel & Wenonah Sands | Sgp | Green Pond Conglomerate |
| Kns | Navesink Marl | Shf | High Falls Formation |
| Krb | Red Bank & Tinton Sands | sp | Serpentine |
| Krf | Raritan Formation, Farrington Sand | Ssq | Shawangunk Conglomerate |
| Kroh | Raritan Formation, Old Bridge Sand | Tbh | Beacon Hill Gravel |
| Krsa | Raritan Formation, South Amboy Fire Clay | Tch | Cohansey Sand |
| Krss | Raritan Formation, Sayreville Sand | Tht | Hornerstown Marl |
| Krwb | Raritan Formation, Woodbridge Clay | Tkw | Kirkwood Sand |
| Kwb | Woodbury Clay | Tmq | Manasquan Marl |
| Kwe | Wenonah Formation | Trb | Brunswick Formation |
| lgn | Losee Gneiss | Trbs | Basalt Flows |
| msk | Marble and skarn | Trdb | Diabase |
| ns | Nephelite syenite | Trl | Locketong Formation |
| Oe | Epler Formation | Trs | Stockton Formation |
| Ojb | Jacksonburg Limestone | Tsr | Shark River Marl |
| Omb | Martinsburg Shale | Tvt | Vincentown Marl |
| Oms | Manhattan Schist | wgn | Wissahickon Mica Gneiss |
| Or | Rickenbach Formation | | |

6
GROUND WATER POLLUTION CASES

Accidental (A)

| | | |
|-----|---|--|
| A-1 | Gulf, Middletown (Port Monmouth), Monmouth Co. Approximately 3500 gallons of gasoline in ground water. Recovered 2000 gallons from tank area and 1000 gallons from production well. Cleanup finished on 11/8/76. Case closed 1976. | 7/76 Ru/Qs/Ket |
| A-2 | Exxon, Millville, Cumberland Co. Approximately 8000 gallons of gasoline was reported to be in the ground water. Recovered 10,500 gallons. Public supply well 500 feet away was closed and Exxon used bacterial activation to remove remaining gasoline. Case closed 1977. | Spring '76 Qbt/Tch |
| A-3 | Arco-Duck Island, Trenton, Mercer Co. Approximately 2500 gallons of Arco supreme was spilled due to overfill from pipeline. Cleanup was by excavation of 250 cubic yards of soil. Several monitor wells were installed. Area is underlain by peat. Case closed 1977. | 11/76 Ru/Qcm/Kmr |
| A-4 | Dover Sewer Authority, Lavalette Boro/Dover Twp., Ocean Co. Approximately 3000 gallons of diesel oil was spilled into the ground water. Well at site removed several hundred gallons, and flooding was used to remove the rest. Case closed 1977. | 11/76 Ru/Qcm/Tch |
| A-5 | Lakeland Regional High School, Wanaque, Passaic Co. Approximately 400,000 gallons of fuel oil leaked from buried tanks and began to seep into High Mountain Brook, approximately 500 feet away. Small scale recovery was initiated in 1976 and an unknown amount of product recovered by school personnel. Problem reoccurred in 3/80 due to renewed tank leakage. Two large diameter recovery wells were installed in 10/80. All seepage to the brook ceased by 5/81. Approximately 50,000 gallons of fuel oil has been recovered to date. Case closed 3/82. Case was reopened when the recovery system was shut down and the problem reoccurred. Investigation continuing. | 3/76 Qsd/gn |
| A-6 | Ingersol Rand, Phillipsburg, Warren Co. Approximately 45,000 gallons of fuel oil lost in 1945. Oil was then found in a new well on the site, 500-800 ft. from spill site. No recovery. New well fouled. Case inactive. | Fall '75 Or (cavernous) |
| A-7 | Old Deal Rd., Eatontown, Monmouth Co. Well contaminated with organic chemicals, TCE. Investigation revealed people contaminated their own well through septic system. Used a one pound can of "spray and wash" per week for 52 weeks. Well closed. Home connected to public water supply. Case closed 1977. | Fall '76 Tvt |

| | |
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| A-8 Adelphi Dr. Well Contamination, Lake Hopatcong Sussex Co., | 2/76 |
| Wells contaminated on Adelphi Drive. High TDS, Si, Mn, Fe, Cl. Pollution source suspected to be septic systems and iron smelting slag. Homes connected to public water. Case closed 1978. | PC (gneiss) |
| A-9 Agway, Raritan (Flemington Junction), Hunterdon Co. | 2/77 |
| High-volume storage site for fuel oil. Has had spills since 1977. Below-ground tanks removed in 5/84. Monitor wells installed and investigation underway. At least one private well is affected. Investigation continuing. | |
| A-10 Hess Oil, Lakewood, Ocean Co. | 3/77 |
| Leaking tank; gasoline showing up in telephone manhole (1000 gallons by 3/21/77). Borings by Exxon indicate traces of gasoline around Exxon station and to the southeast. Borings both up and down-gradient of Hess station indicate Hess is the source of the gasoline. More than 18,000 gallons of gas removed. Case closed 1978. | Tkw |
| A-11 South Orange Water Dept., South Orange, Essex Co. | 3/77 |
| In March, 1977, a gasoline odor was detected in Well No. 8 in the South Well Field, one of two fields supplying South Orange. The odor spread eventually throughout the well field. A water emergency was declared; an emergency hook-up and the North Well Field were used at this time. Twenty-six possible gasoline sources were investigated but the specific source(s) never pinpointed. The well field was pumped to waste for 2.5 years until the odor abated. A second gasoline incident in the same field occurred in early 1981 but the odor disappeared within two months. Probable source terminated. Case closed mid-1981. The Village has sued several oil companies; the Department will be called upon to testify. Case in litigation. | Trb |
| A-12 Hess Oil, Middletown, Monmouth Co. | 3/77 |
| Hess gasoline station on Rt. 35. 4400 gallons of gasoline unaccounted for over a two day period. Recovered 7100 gallons by recovery wells. Case closed 1978. | Kmv |
| A-13 Manahawkin Private Wells, Manahawkin, Ocean Co. | 4/77 |
| Oil, grease, and volatile organics found in wells. Any leaks or spills in the area of Meenan Oil Co. or Forte Oil storage probably would flow towards dewatering wells and thus to the private wells having the problem. The dewatering operation has been stopped and the water quality has gradually improved. Problem appeared to be caused by excessive lowering ground water level. Wells were ordered closed on or after 5/5/77. Case closed 1978. | Qcm/Tch |

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| <p>A-14 Rubin Home, Franklin Twp., Somerset Co. A domestic well was contaminated with what appears to be sewage plus hydrocarbons (gasoline?). Recommended well be abandoned since they have city water. No source identified conclusively. Case closed 1976.</p> | <p>5/76 Trb</p> |
| <p>A-15 Maschio's Restaurant, Lyndhurst Twp., Bergen Co. Contaminated well used by Maschio's for air conditioning. Gasoline or diesel fuel present in well. No source identified. Case closed 7/77.</p> | <p>6/77 Trb</p> |
| <p>A-16 Horman Residence, Arrighi Drive, Warren Twp., Somerset Co. Contaminated domestic well with a strong odor, presumably fuel oil. Source was homeowner's fuel tank and supply line. Case closed 1977.</p> | <p>'77 Trbs</p> |
| <p>A-17 Mohawk Oil (Sunoco), Harding Twp., Morris Co. Between 2000 and 6000 gallons of gasoline lost from underground tanks. Four domestic wells had to be replaced. Recovery wells captured several hundred gallons before becoming ineffective. All monitor wells are clean as of 5/81. Case inactive but not closed in case other private wells nearby become contaminated. Monitoring.</p> | <p>9/77 Trb</p> |
| <p>A-18 Exxon Station, Mt. Arlington Boro, Morris Co. Contamination of several private wells by a gasoline spill at Exxon station in 1970. Station now owned by Getty. Well at Neighborhood Inn started to pump gas in 7/77. Exxon has performed borings. In 1978-79 Exxon replaced wells and these subsequently became contaminated. Exxon hooked the homes to a central water system in 1980. Case closed 1981.</p> | <p>7/77 gr/gn</p> |
| <p>A-19 Amoco, Neptune Twp., Monmouth Co. Located on Rt. 33 and Rt. 35, this station may have lost between 15,000 and 30,000 gallons. There was product recovered from seven wells including a large - diameter recovery well. Case closed 1977.</p> | <p>Spring' 77 TkW</p> |
| <p>A-20 Arco, Hammonton, Atlantic Co. Approximately 2000 gallons of gasoline leaked. More than 1,200 gallons recovered from the ground. Ditch recovery method was used and continued until fall, 1978. Recovery system has been removed. Case closed 1978.</p> | <p>6/78 Tch</p> |
| <p>A-21 Amoco, Leonia, Bergen Co. Approximately 8,000 gallons of gasoline leaked and 700 gallons were recovered immediately. Recovery was continued and leaking tank was removed. Gasoline periodically appears in storm and sanitary sewers. Explosimeter investigation of Leonia's sewer system was performed in summer, 1979. No problem. Case closed 1979.</p> | <p>8/78 Trdb/Trs</p> |

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| A-22 Amoco, Morristown, Morris Co. | 8/78 |
| Approximately 3000 gallons of gasoline leaked and 225 gallons were recovered from ground by sump method. Recovery was terminated in fall, 1978. Case closed 1978. | Qtm |
| A-23 Min Wax, Clifton, Passaic Co. | 7/78 |
| 2650 gallons of mineral spirits were lost via delivery into the wrong pipe. Approximately 300 gallons recovered. Contaminated soil removed to Edgeboro Landfill. Case closed 1978. | Trb |
| A-24 Coastal Oil Co., Passaic, Passaic Co. | 8/78 |
| Unknown amount of #2 fuel oil lost, some into the Passaic River and some into the ground. Recovery wells installed along bulkhead and inside tank dike. Very modest recovery. Discharge to the river cut off by repair of bulkhead. Seepage has dissipated. Case closed 1979. | Qal/Trb |
| A-25 Shell, Rt. 4, Paramus, Bergen Co. | 8/78 |
| Unknown amount of gasoline. Leakage occurred below ground and flowed into tributary of Passaic River. Recovery and absorption along bank. Old tanks removed and replaced with a 10,000 gallon fiberglass tank. Recovery totalled a few hundred gallons. Case closed 1979. | Trb |
| A-26 Shell, Rt. 17, Paramus, Bergen Co. | 8/78 |
| Supposedly 1300 gallons of gasoline lost, but evidently a false alarm. No leaks observed. Tanks were replaced with no gasoline loss. Case closed 1978. | Trb |
| A-27 Coastal Services, Paulsboro, Gloucester Co. | 8/78 |
| Unknown amount of oil/chemicals in groundwater. Lagoons are primary cause of contamination. Decontamination continuing. | Ru/Kmr |
| A-28 Air Products Corp., South Brunswick, Middlesex Co. | 9/78 |
| Loss of several thousand gallons of vinyl acetate into surface drainage ponds due to reactor failure. This was pumped into nearby sewer. Soil samples indicate no penetration of spill, therefore no ground water threat. Case closed 1978. | Ops/Kmr |
| A-29 Stein Well, Hillsborough Twp., Somerset Co. | 10/77 |
| The contaminated well contained several organic chemicals (possibly gasoline components). Kent-Moore testing of adjacent airport tanks, but no clear case against airport. Well driller donated new well to homeowner, cased to 50 feet. Inconclusive investigation. Airport wells being monitored. Case closed 1978. | Trb |

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| <p>A-30 Saytech (formerly Hexcell), Sayreville, Middlesex Co. Poor housekeeping and several spills contaminated the shallow aquifer with PBB, dichloroethane and other organics. Several dewatering systems were installed and failed. A collection trench was installed in 1979 and is still operating. The system discharges contaminated ground water to the sanitary sewer. There has been an improvement in the quality of water discharged by dewatering system. Decontamination continuing.</p> | 6/77 | Kmr |
| <p>A-31 GATX, Carteret, Middlesex Co. Black liquid was leaching into the Arthur Kill. No follow-up was possible since no further information was received. Case closed 1984.</p> | 9/78 | Trb/Kmr |
| <p>A-32 Getty Oil Pipeline, Bound Brook, Middlesex Co. Approximately 16,000 gallons of #2 fuel oil leaked into Bound Brook, flowed to Green Brook, then to the Raritan River. Problem is confined to surface water due to broken pipe under culvert. As a precaution an Elizabethtown well was closed. No ground water problem. Case closed 1978.</p> | 9/78 | Trb |
| <p>A-33 Shell, Hawthorne, Passaic Co. Gasoline fumes in basement and storm sewer. Some gasoline was spilled into sewer, but no ground water problem. Case closed 1978.</p> | 9/78 | Trb |
| <p>A-34 Phillips Oil Co., Hackensack, Bergen Co. Approximately 10,000 gallons of #2 fuel oil has leaked from the bottom of a 2 million gallon tank. Most of the oil was contained and removed from the dike area. Wells have been located. Wells monitored for a period of 1 month. No product was observed. Case closed 1978.</p> | 9/78 | Qal |
| <p>A-35 R.P. Profiles, Howell Twp., Monmouth Co. 150 gallons of acetone and 260 gallons of resin were lost in a fire and explosion. The wash-down water went into a septic tank or dry well. No acetone odor detected and according to Howell Twp. health officer there is no problem. Case closed 1978.</p> | 9/78 | Tkw |
| <p>A-36 Exxon (Walters), Ridge Rd., Lyndhurst, Bergen Co. Approximately 3500 gallons of unleaded gasoline leaked due to a break in the lines and possibly leakage from tanks. Follow-up investigation and tank replacement probably made by oil company. No reports submitted. Case closed 1984.</p> | 9/78 | Trb |

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|------|---|----------------------|
| A-37 | Jack's Texaco, Audubon, Camden Co. A reported 1000 gallons of gasoline were lost from a leaking line. Two 4" wells were installed and within the first 2-3 weeks 1200 gallons were recovered. As of 12/78, 5,000 gallons had been recovered. Recovery operation terminated. Case closed 1979. | 9/78 Ket |
| A-38 | Dean's Oil Co., Mahwah, Bergen Co. Unknown amount of gasoline discovered through sewer excavation explosion. Recovery trench installed and few tens of gallons recovered. No further gasoline detected. Presumed minor loss. Case closed 1978. | 9/78 Trb |
| A-39 | Oaklyn Fuel Oil Contamination, Oaklyn, Camden Co. Fuel oil is seeping into several basements during periods of rain. Oil possibly within sewer line, backing up in line and thence into houses. Possible source - home heating oil tanks. No tests or investigation requested after initial notification. Case closed 1984. | 10/78 Tmv |
| A-40 | Naval Air Engineering Center (NAEC), Lakehurst, Ocean Co. An accidental spill of aviation fuel at fuel farm occurred in 1981. Other sources of ground water contamination are being investigated by the Navy going back as far as possible in the history of the base (commissioned in 1921). DEP was providing informal technical and historical advice. The recovery system for the fuel spill has recovered 8000 gallons of product. This successful program was concluded in late 1983. An ethylene glycol spill is currently under investigation. Case closed 1/84. | 11/80 Tch/Tkw |
| A-41 | Cities Service, Edison, Middlesex Co. Gasoline spill occurred from a leaking 12,000 gallon fiberglass tank. An estimated 13,000 gallons were lost and a well recovery of 9,600 gallons has taken place. Plume delineated with observation wells and use of resistivity data. Case closed 11/78 | 10/78 Qtm |
| A-42 | Getty Pipeline Break, Martinsville, Somerset Co. Contaminated domestic well. Potential source is most likely pipeline break on Shanok property, but there is a slim possibility of a buried heating oil tank leak. Case closed 11/78. | 10/78 Trb |
| A-43 | Blue Star Exxon, Scotch Plains, Union Co. Gasoline spill of 9,000 gallons. Five observation wells were drilled and no product was found. Determined to be a paper loss. Case closed 11/78. | 11/78 Trb |
| A-44 | Mobil Station, Haddon Twp., Camden Co. An unknown amount of gasoline was spilled here. Recovery system consisted of a ditch with a dewatering sump and an on-site gravity separator. Case closed 1/79. | 12/78 Kwb |

| | |
|---|-------|
| A-45 Hoboken Commercial Residence, Hoboken, Hudson Co. | 9/78 |
| Leak from a heating oil tank. Fuel oil (#2) is leaking into a basement. Source has since been detected and eliminated. Case closed 10/78. | Rf |
| A-46 Texaco, Pompton Lakes, Passaic Co. | 10/78 |
| 1500 gallons of gasoline has spilled from a leaking tank. Recovery has continued with the use of a combination dewatering and skimmer well. A total of 500 gallons was recovered. Recovery well has been grout sealed. Case closed 1979. | Qsd |
| A-47 Brooklyn Mt. Rd., Hopatcong, Sussex Co. | 12/78 |
| Fuel oil contamination of a domestic well. Investigation has indicated source of oil probably is owner's oil burner. Case closed 1979. | gn |
| A-48 Northwood, Lake Hopatcong, Morris Co. | 2/78 |
| Fuel oil contamination of a domestic well. Cause could be neighbor's fuel line or may be own fuel tank. As of 5/81 no clean-up has taken place due to excessive cost that would be incurred by homeowner. Case closed 1981. | gn |
| A-49 Texaco, West Long Branch, Monmouth Co. | 10/78 |
| Several thousand gallons of gasoline lost due to leaking underground tanks. Recovery wells installed and have begun to recover gasoline. Case closed 11/78. | Tvt |
| A-50 Mobil Oil, Paulsboro, Gloucester Co. | 12/78 |
| Ground water and approximately 900 acres of soil have been contaminated by oil from this refinery. A major ground water recovery system was installed. Operation started in fall, 1980. There are 16 recovery wells collecting about 6,000 gal/day of oil. Total of product recovered exceeds 28 million gallons. Average recovery in 1983 was 27,600 gal/day. Product recovery continuing. | Knr |
| A-51 Atlantic City, Atlantic Co. | 2/78 |
| A series of fuel oil contamination problems was found, due to leaking home fuel oil tanks. After initial geologic investigations, the cases handled by DEP, Division of Hazards Management. At least three recovery systems were installed until recovery ceased. Case closed 9/79. | Qbs |
| A-52 Power Test Gasoline Station, Greenbrook, Somerset Co. | 10/76 |
| Undetermined amount of gasoline leaked into the ground approximately 11 feet below grade. Adjacent nursery well contaminated with gasoline. Backhoe holes were dug and a well installed in bedrock for recovery. Power Test has since paid for new well for nursery. Monitor well secured. There has been no gasoline evident in the new potable well to January, 1979. Case closed 5/81. | Trb |

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| <p>A-53 Exxon and Getty Stations, Jersey City, Hudson Co. Adjacent Exxon and Getty stations (Paterson Plank Rd. & N.Y. Ave.) had leaked unknown volume of gasoline. Fumes detected in basements of nearby row houses forced evacuation. Recovery wells located at each station and a trench behind row houses worked well for recovery and quick dissipation of fumes. Several hundred gallons recovered. Case closed 1979.</p> | <p>12/78 Trb.</p> |
| <p>A-54 Kraemar's Sunoco, Toms River, Ocean Co. Approximately 7000 gallons of unleaded gasoline leaked into ground water on 11/16/78. This spill was reported to DEP on 12/18/78. Several observation wells and one recovery well have been installed. Cleanup began on 3/1/78. Recovery system now removed. Case closed 1979.</p> | <p>12/18/78 Tch.</p> |
| <p>A-55 Mobil Station, Stockholm, Sussex Co. An underground gasoline tank leaked into a marshy area located on Rt. 23. No investigation. Case closed 1978.</p> | <p>2/79 Trb.</p> |
| <p>A-56 Arlington Warehouse, Newark, Essex Co. Warehouse fire left a large amount of contaminated water in basement which was leaking into subsurface. Site cleaned up by the DEP; Office of Hazardous Substances Control. Ground water evaluation completed as of 6/79. Recovery system for ground water installed in basement but not used. Monitor wells remain. Clean up costs exceeded \$1 million. Basement filled in. Monitor wells to be sealed after final sampling. Case closed 1980.</p> | <p>1/79 Trb.</p> |
| <p>A-57 Ashland Chemical, Newark, Essex Co. Approximately 2500 gallons of #4 fuel oil leaked into the ground. This spill led to discovery of oil and solvents in Ashland's storm sewer system. In five days 5000 gallons were recovered. A second recovery system installed as of 5/79 for solvents. Ground water decontamination system partly installed in 6/81. Improvements to decontamination system continuing through 1983. Investigation continuing.</p> | <p>3/79 Rf/Trb.</p> |
| <p>A-58 Texaco Gasoline Station, Willingboro, Burlington Co. Leak caused by cracked elbow in the gasoline distribution line. Extremely shallow water table has resulted in gasoline appearing at surface on adjacent Seven-Eleven store parking lot. Observation wells have been installed to determine extent of the subsurface gasoline contamination. Tanks were tested by Texaco engineers and were determined competent. To date, the amount of product lost is unknown. A gravel packed trench with dewatering well has been installed for recovery. No product was recovered and gasoline declined to undetectable limit in observation wells. Case closed 12/79.</p> | <p>3/79 Ket</p> |

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| A-59 Penn Gasoline Station, Belvidere, Warren Co. | 3/79 |
| <p>Number 2 fuel oil entering Pequest River one mile upstream from its confluence with the Delaware River. A collection sump was installed with sorbent materials and flow to the river has been eliminated. Source determined to be spillage from unknown diesel vehicle into storm sewer. Oil cleared up. Case closed 1979.</p> | |
| A-60 Burlington County Garage, Mount Holly, Burlington Co. | 4/79 |
| <p>Approximately 6000 gallons of regular gasoline reported lost. Explosive reading in nearby office. Migrating in several directions. County has removed about 1500 gallons but very poor cooperation from county freeholders. By mid-May observation wells were installed and the estimate of gas in the ground is at least 110,000 gallons. A large diameter double pump system recovery well was installed 6/79. Approximately 60,000 gallons had been recovered as of 1981. Highway Department is handling recovery operation. Case closed 1981.</p> | |
| | Kmw |
| A-61 Lopez Residence, Budd Lake, Morris Co. | 4/79 |
| <p>Approximately 500 to 1000 gallons of fuel oil lost from domestic tank. Nearby home well has fuel oil odor. Tank has been removed and recovery effort unsuccessful. A replacement water well installed. Case closed 8/79.</p> | |
| | Qsd |
| A-62 Lafayette NJDOT Maintenance Yard, Lafayette, Sussex Co. | 5/79 |
| <p>Both gasoline and fuel oil lost beneath NJDOT yard. Monitor wells and large diameter recovery well installed as of 5/79. Cause was faulty tank installation. Very little recovery. System shut down. Case closed 1/80.</p> | |
| | Qrm |
| A-63 Getty Service Station, Hillside, Union Co. | 3/79 |
| <p>Unknown amount of gasoline lost to ground water resulting in fumes in nearby homes and temporary evacuation. Recovery wells installed and recovery rate excellent. Approximately 9,000 gallons recovered as of 5/79. Duration of recovery unknown. Station closed for business and reopened later. Case closed 1980.</p> | |
| | Trb |
| A-64 Mount Freedom Domestic Well, Mt. Freedom, Morris Co. | 5/79 |
| <p>Private home had gasoline-contaminated well. Lost 500 gallons from on-site storage. Replacement well drilled and had gas within weeks. Installed carbon filter on supply. DEP located a third well across foliation and cased to 100 feet. Drilled and on line as of 5/80. Case closed 1980.</p> | |
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| <p>A-65 American Cyanamid Spill, Bound Brook, Somerset Co. About 80,000 gallons of analine spilled from ruptured pipeline onto ground. Most contaminated soil removed and recovery trench and sump installed. Most of the spill recovered. Contaminated ground water is treated in Cyanamid's on-site carbon treatment plant. Recovery still underway in 1983. Levels of product much lower. See I-47 for site-wide investigation. Decontamination continuing.</p> | <p>3/79 Trb</p> |
| <p>A-66 Chiarella Residence, Lake Hopatcong, Sussex Co. Fuel oil pollution of 95 foot well. 9.46 feet of fuel oil product in well. Owner's tank and lines are in good condition. No recovery or clean-up has taken place due to cost that would be incurred by homeowner. Case closed 1981.</p> | <p>8/79 gn</p> |
| <p>A-67 Bocskor Residence, Lake Hopatcong (Prospect Point), Sussex Co. Fuel oil pollution of two wells. 0.45 feet of fuel oil product in Bocskor well. 10 feet to bedrock. Recommended drum separator on Bocskor well. No recovery initiated due to cost that would be incurred by homeowner. Case closed 1980.</p> | <p>7/79 bgn</p> |
| <p>A-68 Haar, Alpine Drive, Lake Hopatcong, Morris Co. Three wells possibly contaminated by septic tank effluent. One well has a fuel oil odor. No known source. Contex Oil across the street. Contex Oil investigated Spring, 1980; tanks found to be tight. Case closed 1980.</p> | <p>7/79 bgn</p> |
| <p>A-69 N25 Housing Project, Trenton, Mercer Co. Fuel oil flowing from beneath building into abandoned sewer. Four observation wells drilled. 0.25 feet of fuel oil product in one well. Recovery of approximately 4000 gallons of fuel oil was obtained from sewer. No recovery wells were requested. Case closed 4/80.</p> | <p>8/79 Rf</p> |
| <p>A-70 Bi-Lo Station, Millville, Cumberland Co. 2000 gallons of gasoline lost on the site. Two wells and a separator were installed. Volume of recovery uncertain. Case closed 1980.</p> | <p>6/79 Tch</p> |
| <p>A-71 Temple Har Sinai Site, Ewing Township, Mercer Co. Fuel oil leaked from storage tanks that were previously buried at site. It contaminated local ponds which were cleaned up. Further investigation revealed product movement through subsurface. Heavy rains brought more product to the surface. The surface material was then cleaned up. All buried fuel tanks removed. Case closed 1980.</p> | <p>5/79 Trl</p> |

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| A-72 Exxon Station, West Orange, Essex Co. | 8/79 |
| Suspected leak in one tank due to presence of water in tank. Two monitor wells installed which did not show evidence of product. No evidence of product when tank was removed on 9/24/79. Case closed 1979. | Trdb |
| A-73 Gibson Residence, West End Ave., Lake Hopatcong, Sussex Co. | 9/79 |
| Unknown contaminant in two private wells. 3 ppm oil and grease. Resampling and analysis for hydrocarbons was recommended. Case closed 1981. | gn |
| A-74 Weigelia Gardens Well Contamination, East Brunswick, Middlesex Co. | 9/79 |
| Sheen noticed on plants and greenhouse windows after watering. 3ppm oil and grease found in two wells 160 and 240 feet deep. Source may be a nearby fuel oil spill. Municipal water now supplied to facility. Investigation continuing. | Kmr |
| A-75 Texaco Station, Old Bridge, Middlesex Co. | 8/79 |
| 1,500 gallons of regular gasoline lost into coarse sand and gravel. Areal extent of gasoline has been delineated with explosimeter. Recovery system installed. Case closed 3/80. | Ops |
| A-76 Chevron, Clifton, Passaic Co. | 9/79 |
| Gasoline discovered in a sewer and excavation in front of Chevron on Bloomfield Ave. DEP requested that tanks be pressure tested but instead owner replaced them. Monitor wells were recommended but never installed. Case closed 1980. | Trb |
| A-77 Exxon, Rt. 17, Hasbrouck Heights, Bergen Co. | 9/79 |
| Various losses since 1969. Gasoline present in septic tank and stream. Three slam bar holes exhibited explosive readings. Monitor wells were requested. Recovery effort successful. Case closed 12/79. | Ogu/Trb |
| A-78 Tenneco Spill, Fords, Middlesex Co. | 8/79 |
| Approximately 10,000 gallons of formaldehyde leaked from an above-ground storage tank and flowed overland into an unlined impoundment. It was subsequently pumped at a controlled rate to the Middlesex County sewer system. Monitor wells of 3-4 inch diameter were installed at the request of DWR, Ground Water Section. Water samples have been taken from the drilled wells to determine the degree of ground water contamination by the formaldehyde spill. The monitor wells were designed to also serve as an abatement system in the event that formaldehyde concentrations were high. However, formaldehyde levels were less than background. Case closed 1980. | Kmr |

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| A-79 Dupont, Parlin, Middlesex Co. | 8/79 |
| Approximately 10,000 gallons of acetone leaked from underground supply line. An observation well was drilled at the source of the acetone. A strong acetone odor was present to a depth of 20 feet. No water was encountered when the well was drilled. Well was removed 10/79 and area was asphalted to prevent infiltration and migration of acetone. Case closed 6/82. | Kmr |
| A-80 Tenneco, Carlstadt, Bergen Co. | 9/79 |
| Approximately 2,000 gallons of varsol lost from a buried tank of unknown volume. The water table is at the surface, causing varsol to be trapped against the base of an asphalt pavement. The tank will be filled in. Case closed 1980. | meadowland muck |
| A-81 Gulf Station; East Orange, Essex Co. | 8/79 |
| Gulf engineer suspected leak because of the presence of a hole in one tank. Two wells were installed; fumes detected in one well. Case closed 1979. | Trb |
| A-82 Nutley Municipal, Nutley, Essex Co. | 8/79 |
| An unknown amount of #2 fuel oil leaked for an unspecified time. Recovery well with separator system was installed. Uncertain recovery. Case closed 1980. | Qgu |
| A-83 NJIT, Newark, Essex Co. | 10/79 |
| Approximately 4000-5000 gallons of heating oil lost at NJIT campus. Monitor wells installed. Less than 1000 gallons recovered. All recovery and monitor wells now sealed. Case closed 1980. | Rf/Trb |
| A-84 Newark International Airport, Newark, Essex Co./Elizabeth; Union Co. | 8/80 |
| The Port Authority of N.Y. & N.J. is instituting a program to control water pollution around Newark Airport. There is contaminated soil and ground water at various localities. Six oil recovery wells are in place and oil-water separators are functioning. Investigation and monitoring continuing. | Ru/Qsd/Trb |
| A-85 Midwest Emery Freight, Jersey City, Hudson Co. | 10/79 |
| Fuel tank leak, oil seeping into Hackensack River. Cutoff trench and monitor wells installed. Recovery operations still on-going as of 1/83. Case closed 1982. | silty sand |
| A-86 Getty Station, Willingboro, Burlington Co. | 10/79 |
| Station showed a loss of 200-1000 gallons in three tanks with holes. The tanks are sitting on silty clay. Monitor wells were installed. No product detected. Case closed 12/79. | Qps |

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| <p>A-87 Amoco & Citgo Stations, Vineland, Cumberland Co. Gasoline in Bell Telephone cable. No tanks appear to be leaking. Monitor wells recommended but never drilled. Case closed 1980.</p> | <p>10/79 Tch</p> |
| <p>A-88 Exxon, Garden State Parkway, Bloomfield, Essex Co. Gasoline seeping into stream. Conducting clean-up operation. Monitor wells and recovery wells recommended and installed. Case closed 1980.</p> | <p>10/79 Qt</p> |
| <p>A-89 Exxon, Garden State Parkway, Montvale, Bergen Co. Gasoline leaking beneath station. Consultant conducting clean-up operation. Monitor and recovery wells recommended and installed. Case closed 1980.</p> | <p>10/79 Trb</p> |
| <p>A-90 Dover Christian Nursing Home, Dover, Morris Co. Gasoline vapors in basement of nursing home. An independent station is located 40 ft. away and failed pressure tests. Approximately 2500 gallons were recovered by a well installed between the station and nursing home. Gasoline vapors in the nursing home basement have subsided. Additional monitor wells installed. As of 5/81 odors ceased. No further work has been done. No product remains on water table. Case closed 6/81.</p> | <p>10/79 Qsd</p> |
| <p>A-91 Exxon Station, Johnsonburg, Warren Co. Several private wells contaminated by gasoline from leakage of underground tanks. 1,600 gallons of gasoline recovered as of 12/80 and monitor wells show product removal has been effective. In 7/82 monitor wells detected dissolved hydrocarbons. The private wells near the spill sampled 1/83. Gasoline was not found in private wells sampled. Case in litigation.</p> | <p>10/79 Qsd/Ca</p> |
| <p>A-92 Carlucci-Vacaro Drive, Budd Lake, Morris Co. There is a yellow viscous fluid in the well. The fluid appears to be a lubricant from the pump. New pump installed. Problem resolved. Case closed 12/79.</p> | <p>11/79 bgn</p> |
| <p>A-93 Rockaway Valley Methodist Church, Boonton Twp., Morris Co. The Church has a shallow well with an occasional fuel oil odor. In 12/78 there was a surface spill at the rear of the building. All other wells in the area are acceptable. Boring a deeper well was recommended. Case closed 1/80.</p> | <p>12/79 Qsd</p> |
| <p>A-94 Staikaponlos Residence, Bridgewater Twp., Somerset Co. Private well of Staikaponlos family is contaminated with petroleum product, identified as gasoline by Toney Labs. All other wells in the area are reported clean. Homeowner connected to public water. Case closed 1/80.</p> | <p>8/79 clay/Trb</p> |

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| A-95 Exxon Station, Fairlawn, Bergen Co. | 12/79 |
| Loss of 600 gallons of gasoline due to a line leak. Six monitor wells were installed. Recovery of gasoline is accomplished by periodic pumping of a recovery well. An undetermined amount of product was recovered. Recovery operations ceased 5/81. Case closed 6/81. | silty sand/Trb |
| A-96 Texaco, Cresskill, Bergen Co. | 12/79 |
| Loss of 2000-3000 gallons of gasoline from line leak. One recovery and 15 monitor wells were installed. Approximately 1,000 gallons were recovered. Recovery well became ineffective during 1980-81 drought and was removed. Observation wells free of product as of 3/82. Case closed 3/82. | Qsd/Trb |
| A-97 Dunn Walke Farm, Bedminster, Somerset Co. | 1/80 |
| Fuel oil leaking into storm sewer on private farm and discharging into a nearby stream. The tank was replaced but the amount lost is unknown. Three monitor wells were requested but never installed. Case closed 4/80. | Trb |
| A-98 Lyndhurst Gasoline Odors, Wilson Ave., Bergen Co. | 1/80 |
| Gasoline odor in a home adjacent to a 72-inch diameter sewer. Tanks in two nearby stations Kent-Moore tested as acceptable. The well at a Getty station showed no product. There was only a problem in one home. No product found in sewer, source unknown. Case closed 2/80. | flood plain silt |
| A-99 Gasoline Contamination, Raritan Ave., Highland Park, Middlesex Co. | 2/80 |
| Gasoline odor in sanitary sewer system. Four buildings evacuated due to fumes. Possible sources include a Datsun dealer who lost 2000 gallons and several gas stations. Several wells drilled and found clean. Odor problem diminished. Case closed 5/80. | Trb |
| A-100 North Hunterdon Regional High School, Clinton, Hunterdon Co. | 6/82 |
| An inventory loss was noticed by the school in 6/82 and the Department notified. Monitor wells were installed and a recovery program for fuel oil began. Recovery has been slow; about 400 gallons had been recovered by 1/84. Recovery continuing. | Omb |
| A-101 Interstate Storage and Pipeline Corp., Springfield Twp. (Jacksonville), Burlington Co. | 12/82 |
| An unknown quantity of aviation fuel leaked from a 2,000-gallon slop tank near a pumping station. The tank was emptied and removed and monitor wells installed. Facility has brought in a consultant. Additional monitor wells have been installed and sampled. Investigation continuing. | Rf/Qcm/Kmr (Magothy) |

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| A-102 | Exxon, Margate City, Atlantic Co. Approximately 2,000 gallons of gasoline were lost from a leaking fuel line. Line was repaired and over 2,000 gallons were recovered. Case closed 5/80. | 8/79 Qcm |
| A-103 | Shell, Margate City, Atlantic Co. Several hundred gallons of gasoline were lost from a leaking storage tank. A recovery system was set up and 250 gallons were recovered. Case closed 4/80. | 8/79 Qcm |
| A-104 | New Jersey Bell, Shrewsbury, Monmouth Co. Reported loss of approximately 500 gallons of gasoline from two 10,000 gallon storage tanks. The tanks were removed and three monitor wells were installed. No gasoline was found in any wells. Water depth is 30 feet and the gasoline may be held up in the soil. Case closed 3/80. | 2/80 Krb |
| A-105 | Candlewood Exxon, Howell Township, Monmouth Co. Approximately 200 gallons of gasoline was lost from leak in a discharge line. The line was repaired and four monitor wells were installed. Explosimeter readings and well information found no trace of gasoline in the ground. Case closed 4/80. | 3/80 Tch |
| A-106 | Emil's Gulf, Hazlet, Monmouth Co. An unknown amount of gasoline was lost from a leaking storage tank. The tank was removed and three monitor wells were installed. The wells showed no gasoline accumulation in the ground. Case closed 5/80. | 3/80 Ket |
| A-107 | Hulses Rd. Abandoned Gas Station, Howell Twp., Monmouth Co. Five storage tanks were removed during demolition of an abandoned gas station, with an unknown amount of gas left in the ground. Recommended installation of six monitor wells to determine the amount and extent of gas under the site. Six monitor wells installed. Small amount of gasoline found in one well, not enough to warrant recovery. Case closed 8/80. | 3/80 Tkw |
| A-108 | Exxon, Morganville, Monmouth Co. An on-site well has been contaminated, possibly because of spillage from an adjacent 12,000 gallon above-ground storage tank owned by the Jamesbury Fuel Oil Co. Four monitor wells were recommended to determine the amount of oil in the ground. Wells were installed and no product found. The storage tank was removed. Removed contaminated soil around tank area. Case closed 9/80. | 3/80 Ket |
| A-109 | Chevron, Hazlet, Monmouth Co. Fuel oil has been seeping into an adjacent creek from an unknown source. The on-site 3,000 gallon fuel tank was tested and found to contain no leaks. Two monitor wells have been installed. It was concluded that fuel source was spillage when tanks were being filled. Not enough product to warrant recovery. Case closed 9/80. | 4/80 Kwb |

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| A-110 | <p>Valumet Processing of N.J., Sayreville, Middlesex Co.</p> <p>This corporation operated a precious metal recovery and recycling plant until 4/82 when it went bankrupt. Rampant spillage of various chemicals took place after this. DEP's field sampling confirmed 24 hazardous substances, and the property owner who had leased to Valumet contracted a firm to clean up the site. This has been completed. Soil samples have been taken and the results will determine future action. Investigation continuing.</p> | 8/82 | Krsa/Krss |
| A-111 | <p>Beachwood Residential Well Lead Contamination, Beachwood, Ocean Co.</p> <p>Elevated lead levels were found in residential supplies. Data suggests that lead is contributed by both the aquifer and the home plumbing system. The contribution from each source has not been determined. The Township has been directed to completely convert to public water supplies. Investigation continuing.</p> | 7/82 | Tch/Tkw |
| A-112 | <p>Berkeley Residential Well Lead Contamination, Berkeley, Ocean Co.</p> <p>Elevated lead levels were found in residential supplies. Data suggests that lead is contributed by both the aquifer and the home plumbing system. The contribution from each source has not been determined. Investigation continuing.</p> | 7/82 | Tch |
| A-113 | <p>Ianero home, Middlesex Boro, Middlesex Co.</p> <p>High concentrations of barium and chlorides in well. Suspected cause is a municipal salt stockpile nearby. Chlorides found to be caused by salt pile, resampling showed normal barium levels. Salt pile removed. Case closed 1982.</p> | 11/79 | Trb |
| A-114 | <p>Ackerschmit Residence, Readington, Hunterdon Co.</p> <p>Residence's 550 gallon fuel tank was leaking. An estimated 500-700 gallons of #2 fuel oil was lost. No oil was detected in the residence's well, but fuel oil was discovered in a spring on her property. Therefore, clean-up was being accomplished by placing oil absorbent pads in the spring. NJGS recommendations were forwarded to DWM. Decontamination continuing.</p> | 12/81 | Trb |
| A-115 | <p>Exxon Refinery (Bayway), Linden, Union Co.</p> <p>In 1979, oil seepage into Arthur Kill at the barge terminal triggered an investigation inland onto the refinery. Product was found on the water table and a recovery system installed in mid-1980. Seepage into the Kill has ceased but product recovery is continuing. Product remains in several monitor wells. Recovered product is directed into the refinery's separators. Regular progress reports are sent to DEP. Product recovery continuing.</p> | 9/79 | Rf/Trb |

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| A-124 | Orange Exxon, Newark, Essex Co. Inventory loss. Three monitor wells installed and tanks removed. One well clean, other two are dry. Requested that wells be deepened. Case closed 5/80. | 4/80 silt and clay/Trb |
| A-125 | Alert, West Orange, Essex Co. Inventory loss, tanks removed, no product in excavation. Case closed 5/80. | 4/80 Trbs |
| A-126 | Exxon, Orange, Essex Co. Inventory loss, four monitor wells installed. Loss appeared to be minimal. Requested recovery during tank excavation. Case closed 5/80. | 4/80 silt and clay/Trb |
| A-127 | Mobil Station, Palisades Park, Bergen Co. Unknown loss, odor in building behind station and down hill. Recovery trench dug between station and affected home. Recommended three monitor wells and an additional trench. Unknown recovery. Case closed 1980. | 4/80 Rf/Trdb |
| A-128 | Abraham and Straus, Paramus Park Mall, Paramus, Bergen Co. Loss of 400-800 gallons of fuel oil during tank filling. Oil flowed into storm sewers and ground. Recovery well and four monitor wells installed. Insignificant amount of oil recovered from well. Monitor and recovery well free of product in 3/82. Problem with storm sewers has stopped. Case closed 3/82. | 4/80 Rf |
| A-129 | Rhone-Poulenc, New Brunswick, Middlesex Co. About 6,500 gallons of methacrolein diacetate was lost from a subsurface pipe. Five monitor wells were installed and recovery began in 6/80 into sanitary sewer system. Levels in most affected wells have dropped and overall recovery is now very slow. Recovery well was deepened to increase yield and effectiveness. The site is under investigation due to other operations. Investigation continuing. | 6/80 Trb |
| A-130 | Arco Station, State & Atlantic, Hackensack, Bergen Co. Undetermined amount of gasoline leaked from corroded tank. All tanks replaced at station. Three monitor wells and three borings to water table completed. Spill appears to be small. Recovery system installed. Case closed 1982. | 3/81 Qsd/Trb |
| A-131 | Dave's Texaco, Somerville, Somerset Co. Corroded tank resulted in loss of approximately 300 gallons of gasoline. Six monitor wells installed. All tanks at station replaced with fiberglass tanks. A leaking 500 gallon waste oil holding tank was also replaced. Oil contaminated soil removed to a hazardous waste landfill. Case closed 1981. | 3/81 Trb |

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| A-132 | Exxon-Hamilton and Highland, Franklin Twp., Somerset Co. Loss of 496 gallons of unleaded gasoline from faulty pump valve. Gasoline migrated in old tile drains to the storm sewer. Complaints of odors from nearby barber shop prompted installation of two monitor wells. Wells have slight odor but no free product. Case closed 3/82. | 7/80 Trb |
| A-133 | Tony's Mobil, Ewing Twp., Mercer Co. Unknown amount of gasoline lost from tank leaks. Recovered 7.5 gallons from monitor wells. Wells have petroleum odor but no free product. Case closed 3/82. | 12/80 Ops/Trs |
| A-134 | Aamco, Mahwah, Bergen Co. Waste oil separator discharged to septic system. Two monitor wells were installed but no product was detected. Case closed 1/82. | 8/80 Qsd |
| A-135 | Getty Station, Bridgewater Twp. (North Branch), Somerset Co. Gasoline spill from corroded, in-ground tank. All tanks at the station were replaced. A recovery trench and monitor wells installed. The amount of product lost appears to be small. Case closed 1982. | 3/81 Trb |
| A-136 | Hasbrouck Heights Dept. Public Works, Bergen Co. Unknown amount of gasoline lost from leaking tank. Spill discovered during sewer line excavation (approx. 75' away). Inspection of tank excavation revealed emulsified product indicating old spill. Absorbents used in excavation as well as centrifugal pump. About 10 gallons recovered. Three wells were installed. Wells have petroleum odor, no product. Case closed 1981. | 11/80 Qgu Valley fill/Trb |
| A-137 | West Windsor Well Contamination, West Windsor, Mercer Co. Five wells on Logan Dr. and Harrison St. were contaminated with petroleum hydrocarbons. Nearby gas stations and pipeline were investigated and found to have no problems. Problem with wells subsided during 1981. Case closed 1/82. | 11/80 Ops/Trs |
| A-138 | Texaco, Bayonne, Hudson Co. Unknown quantity of aviation fuel has leaked from a storage tank into ground. Decontamination operations have been started. Case closed 5/81. | 9/80 overburden/Trb |
| A-139 | Ewing Mobil and Arco, Ewingville, Mercer Co. Evidence of tank leaks found at both stations. Several local wells contaminated with hydrocarbons. Relationship between spills and well contamination cannot be proven at this time. Several nearby wells contain hydrocarbons but service stations may not be the source. Well at Arco station has remained clean; Mobil well had unidentified hydrocarbon. Housekeeping changes made at possible sources. Case closed 1984. | 12/80 Trs |

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| A-140 | Hartz Mtn., Secaucus, Bergen Co. Unknown amount of fuel oil from line leak. Oil flowed into storm sewers and nearby creek. Eight monitor wells and eight recovery wells installed. Recovery totalled approximately 6,000 gallons. No further geologic assistance required. Case closed 1984. | 12/80 Qsd |
| A-141 | Mancus Residence, Elmer, Salem Co. Homeowner detected petroleum hydrocarbon taste and smell in drinking water from private well. Possible sources of contamination include a nearby Texaco station or nearby domestic fuel oil tank. Case inactive. | 4/81 Qbt/Tch |
| A-142 | Young Residence, Tewksbury, Hunterdon Co. Chlordane found in well after exterminator sprayed around home. Well replaced, water lines still show residual contamination. Old well will be resampled regularly. New well appears to be clean. Case closed 1981. | 9/80 PC |
| A-143 | Coe Residence, Rumson, Monmouth Co. Leaking fuel oil tank at private residence. The tank was removed and replaced. Five borings to the water table indicated no product in measurable amounts. Case closed 1981. | 3/81 Qcm/Krb |
| A-144 | Shell Station, Ratzer Rd. and Hamburg Tpk., Wayne, Passaic Co. Undetermined amount of gasoline spilled from corroded tank. Five monitor wells installed. Recovery system installed. More than 100 gallons recovered. Decontamination continuing. | 3/81 Trbs |
| A-145 | NJ Turnpike Authority Bldg., East Brunswick Twp., Middlesex Co. A spill occurred due to an underground gasoline tank failure. Inventory loss was 800 gallons. Actual loss was greater. Monitoring wells were installed 1/81. Turnpike Authority hired a consultant to do additional exploratory work and design recovery system. Recovery system installed 4/81. Recovery continuing. Case closed 1981. | 10/80 Rf/Kmr |
| A-146 | Liberty State Park, Jersey City, Hudson Co. Sheen emanating from bulkhead into the Hudson River led DEP to suspect an accumulation of petroleum hydrocarbons on the water table. Four monitor wells were recommended. No action ever taken due to lack of funds. Sheen has since disappeared. Case closed 1982. | 3/81 Rf/Organic Silt |
| A-147 | Anheuser-Busch, East Brunswick, Middlesex Co. Explosion in test well drilled at Anheuser Busch in search of new production well led DEP to suspect petroleum hydrocarbons on the water table. Suspected source is Gulf station across street. Gulf was advised on 3/81 that an observation well should be drilled and their tanks tested. No further action taken. Case closed 1982. | 2/81 Qcm/Kmr |

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| A-148 | Walton Residence, Masonville, Burlington City, Burlington Co. Private well contaminated with gasoline. Suspected source is buried tank on adjacent property. Tank tested and found to be tight. No other sources located. Municipal water lines will be installed 5/81. Case closed 1981. | 6/80 | Tch |
| A-149 | Ocean County Central Regional H.S., Berkeley Twp. Ocean Co. Routine sampling of the school's well showed elevated levels of nitrates. A probable source of the contamination is the school's septic system. The contaminated well was taken off line until monthly sampling indicated that it was safe to use. Monitoring. | 6/81 | Tch |
| A-150 | Jenny Realty Co., Edison Apartment Complex, Edison, Middlesex Co. Leaking in-ground fuel tank ruptured, discharging an unknown volume of heating oil into a nearby stream. Approximately 1000 gallons of product has been recovered. Additional wells installed 12/80. No product found on water table. Case closed 1980. | 2/80 | Qps/Trb |
| A-151 | Jerry Jones Mack, Rockaway Twp., Morris Co. Oil spill. Over 50 cubic yds. of oil-contaminated soil removed from spill area and taken to an approved out-of-state landfill. Water sampling showed slight water degradation adjacent to spill. Additional soil removal necessary due to continued sloppy housekeeping. Monitoring. | 10/80 | Qsd |
| A-152 | Shell Station, Rockaway Township, Morris Co. Leakage of an unknown amount of gasoline has affected the ground water near the station. Monitor wells installed and samples showed dissolved volatile hydrocarbons and industrial solvents. Extent of contamination shows that the spill may impact supply wells. Company has cooperated with township authorities and a treatment system consisting of granular activated carbon and air stripping chamber has been treating the water. Decontamination continuing. | 7/80 | Qsd/Qtm |
| A-153 | Shell Station, Lake Hiawatha, Morris Co. Gasoline spillage of 3000 gallons. Monitor and recovery wells installed and 300-400 gallons recovered. Wells have been clean since fall 81. Gasoline was believed absorbed by the soil. Case closed 3/82. | 10/80 | Qsd/Trb |
| A-154 | Bordentown Junction, Bordentown, Burlington Co. Spill of diesel fuel resulted from line leak near pumping stations. Fuel migrated through fill to surface water bodies. Control implemented with absorbent booms. Site underlain by a tight clay. No threat to ground water. Case closed. | 4/81 | Kwb |

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| A-155 | <p>Rockaway Township Well Field, Rockaway Twp., Morris Co.</p> <p>Aquifer contaminated by various volatile organic compounds. Ground water monitoring shows two or more contaminant plumes affecting the wells. Well water is treated by a granular activated carbon and air stripping systems. Superfund listed 12/82. Decontamination continuing.</p> | 12/79 | Qtm/Qsd |
| A-156 | <p>Steve's Getty, Dover, Morris Co.</p> <p>Health Dept. found seepage pit behind station. Analyses of liquids determined fluids mostly oils, greases and water. Pit disconnected and filled as recommended by DEP. Wastes manifested and hauled to reclaimer. Case closed 9/81.</p> | 4/81 | Qsd |
| A-157 | <p>Exxon Station, Palmyra, Burlington Co.</p> <p>Gasoline spillage of unknown amount resulted from underground tank leakage, twenty monitor wells installed including three recovery systems. Over 1000 gallons of gasoline recovered. Case closed 3/82.</p> | 8/80 | Ops |
| A-158 | <p>Schiavano Residence, Woodbridge, Middlesex Co.</p> <p>Residence's cellar sump receiving gasoline vapors. Gas station nearby tested and no leaks indicated. Recommended municipality hire cleanup contractor to intercept gasoline before it enters home. This was not done due to cost. Case closed 12/82. Due to reoccurrence of the problems the case was reopened 4/83. Monitor wells will be installed at the station. Investigation continuing.</p> | 2/81 | Qsd/Trb |
| A-159 | <p>Chancellor Texaco, Irvington, Essex Co.</p> <p>Gasoline spillage from underground storage tanks reported to be 700 gallons. Monitor and recovery systems installed and currently in operation. Over 1,500 gallons of gasoline recovered via trench method. Gasoline contaminated soils excavated (70-80 cubic yards) and transported with manifest to appropriate out-of-state landfill. Case closed 1/83.</p> | 3/81 | overburden/Trb |
| A-160 | <p>Cumberland Farms, Little Egg Harbor Twp., Ocean Co.</p> <p>Gasoline components detected in several potable wells necessitated hydrostatic tests at Cumberland Farms. Tests found tank leak. Repaired. Company and DEP signed consent agreement in 1983. Company hired consultant to define extent of contamination and remedial measures (1983-84). Utility authority extended water main to affected area. Investigation continuing.</p> | 6/82 | Tch |

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| A-161 | <p>Rozman's Residence, Hopatcong, Sussex Co.</p> <p>Rozman's trout spring and well were contaminated with fuel oil. In addition neighboring wells were sampled in summer, 1981 and were found to contain fuel oil. An underground tank upgradient from Rozman's home had leaked approximately 550 gallons. Recovery and clean-up at the spring has stopped and all affected homes have been placed on city water. Case in litigation.</p> | 3/81 | Qgu/PC |
| A-162 | <p>Rockaway Borough Municipal Well(s), Morris Co.</p> <p>Ground water affected by organic chemicals. Sampling of nearby wells indicated contamination may be local. Industrial survey conducted by Borough's health dept. found no active source. Carbon adsorption units installed in 1981. Superfund listed 12/82. Remedial investigation begins 1984. Decontamination continuing.</p> | 9/81 | Qsd/Qtm |
| A-163 | <p>Dover Municipal Well, Hooey Street, Morris Co.</p> <p>Water quality degraded by organic chemicals. Well shut down. Industrial survey revealed no active user or discharger of contaminant. Ground water sampling at other Dover wells indicate the source is near this well. Superfund listed. Investigation continuing.</p> | 12/80 | Qsd |
| A-164 | <p>Exxon, White Twp. (Bridgeville), Warren Co.</p> <p>Leakage of 1200 gallons of gasoline from an underground tank occurred. Eight observation wells and one recovery well were installed. Gasoline recovery has been minimal because of geologic conditions at the site. Gasoline appears trapped in the unsaturated zone (15-20' thick). Additional wells and sampling has been recommended to further define this problem. Investigation continuing.</p> | 10/80 | Qtm |
| A-165 | <p>SOS (Power Test) Station, New Brunswick, Middlesex Co.</p> <p>Loss of approximately 4000 gallons of gasoline was discovered when gasoline fumes were detected in a nearby elevator shaft. Monitor wells and recovery system installed. Recovery terminated. Case closed 3/84.</p> | 4/82 | Trb |
| A-166 | <p>Egg Harbor Domestic, Egg Harbor City, Atlantic Co.</p> <p>Gasoline tank leak in 1981 contaminated two shallow potable supply wells. The leaking tank was removed. Deeper wells were drilled to provide uncontaminated water. Case was closed. Investigation was reopened in 9/82 when a resident complained of bad taste in water from deeper well. The water was repeatedly sampled and found to contain high iron content but no petroleum hydrocarbons. Residents have been connected to municipal water supply. Case closed 12/83.</p> | 6/81 | Tch/Tkw |

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| A-167 | <p>Harrison Baking Co., Harrison, Hudson Co.</p> <p>DEP alerted when a small explosion occurred during a well construction project. Monitor wells show three to five feet of gasoline. A recovery well was installed but it is not removing gasoline efficiently. Additional work has been recommended to speed up recovery. Investigation continuing.</p> | 10/81 | Qsd |
| A-168 | <p>Saturn Chemicals, Lawrence Twp., Mercer Co.</p> <p>Explosion and fire caused spillage of organic chemicals. Sloppy housekeeping has compounded the problem. Most fire-generated chemical waste has been removed. Company has installed and sampled on-site monitor wells. Company has been directed to submit plans for decontamination and various hydrologic data within a report. Investigation continuing.</p> | 9/81 | Qal/PC |
| A-169 | <p>Brook's Residence, Milmay, Atlantic Co.</p> <p>Tank leak spilled 250 gallons of number two fuel oil. Shallow well became contaminated soon afterward. Majority of spill absorbed in the soil. Soil removal recommended. Case closed 1982.</p> | 11/81 | Tch |
| A-170 | <p>Franklin Borough Spill, Franklin, Sussex Co.</p> <p>Sussex County reported petroleum contamination in private wells. Two private wells had noticeable levels of petroleum. An aging below-ground tank may have leaked. No further information forthcoming. Case closed 1984.</p> | 4/82 | Qsd/Ca |
| A-171 | <p>Gulf Lake Telemark, Rockaway Township, Morris Co.</p> <p>Several potable wells affected by leakage of gasoline from underground tanks. Monitor wells installed and samples show station is the source of the gasoline. Contaminants include gasoline and gasoline components. Chiefly, benzenes, toluenes, and xylene (BTX). Spartan Oil of Dover manages the underground tanks. In 7/82 DEP directed them to clean up the aquifer of BTX contamination. Consent order signed by Spartan Oil and DEP requiring Spartan to remove gasoline and gasoline components from aquifer. Investigation continuing.</p> | 12/81 | gh, am |
| A-172 | <p>General Cigar, Helmetta, Middlesex Co.</p> <p>Fuel oil was reported entering Manalapan Brook from an abandoned sewer pipe 10/81. 22 shallow soil borings revealed soil contamination in the vicinity of two 50,000 gallon oil tanks. A leak was located in the oil supply line. Interceptor trench installed to recover any free product. Oil was absorbed by soil. No significant recovery. Sewer pipe has been sealed. Case closed 8/82.</p> | 12/81 | Rf/peat |

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| A-173 | <p>Majullian Fuel Co., Kearny, Hudson Co.</p> <p>Heavy rainfalls caused a bulkhead along the Passaic River to collapse, exposing oil contaminated soil and allowing oil to seep into the river. The oil appeared to be very old and most likely was spilled or leaked several decades ago. Some oil was recovered. Case closed 3/82.</p> | 7/81 | Ord |
| A-174 | <p>Penick Corporation, Lyndhurst, Bergen Co.</p> <p>An underground tank containing toluene was discovered leaking 5/80. The tank was removed and a small amount of toluene was assumed lost. In 1981 dying trees prompted further investigation and installation of several monitor wells. Pure toluene was found and a recovery trench has been installed. Decontamination continuing.</p> | 11/81 | Qt/Trb |
| A-175 | <p>Allen Domestic Well, Washington Twp., Warren Co.</p> <p>The homeowner complained of strong petroleum odors in his water for several months. The source appears to have been his in-ground gasoline tank which had a leaky pipe connection. The tank was removed. The water quality should improve with time. Only a small quantity of gasoline is suspected lost. Case closed 3/82.</p> | 11/81 | Ca |
| A-176 | <p>Silverton Domestic Well Contamination, Dover Twp., Ocean Co.</p> <p>Residents complained of petroleum odors in their well water. Contamination by organic chemicals in several shallow wells confirmed in 1/81. DEP ordered water mains be installed and wells sealed. Seventy homes tied to municipal water. No source has been found. Seven wells have been installed to monitor contaminant migration. Investigation continuing.</p> | 1/82 | Tch |
| A-177 | <p>Montclair Savings Bank, Upper Montclair, Essex Co.</p> <p>Gasoline or fumes reaching the bank's basement sump irregularly over several years. Fumes exploded during maintenance work on 2/82. Several possible source stations nearby. A consultant was hired and remedial measures for the bank were designed. Case closed 1983.</p> | 2/82 | Trb |
| A-178 | <p>Chevron, Franklin Twp. (Middlebush), Somerset Co.</p> <p>A homeowner next to this gas station periodically had gasoline odors in his water. A change in companies resulted in the old tanks being removed. Small leaks were detected. Four monitor wells were installed and found clean. Case closed 3/82.</p> | 2/82 | Trb |
| A-179 | <p>Leonia/Fort Lee Fuel Spill, Leonia, Bergen Co.</p> <p>Oil found seeping at base of hill behind Shell station in 1979. Recovery system was upgraded in 1982 as oil was found seeping into yards and basements. Oil has also been found nearby at a trailer park across Route 46. A kerosene leak there may have contributed to the problem. Recovery and investigation continuing.</p> | 3/82 | Rf/Trdb |

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| A-180 | <p>Schildknecht Residence, Howell Twp., Monmouth Co.</p> <p>A 250 gallon spill of fuel oil occurred from a leaking fuel line in 1/82. Recovery and monitor wells were installed. Contaminated soil was removed. Petroleum hydrocarbons reached the homeowner's shallow well and it was then replaced with a 375 foot deep cased and sealed well drawing water from a deeper aquifer. Some residual oil enters basement sump pump after heavy rains. Decontamination and monitoring continuing.</p> | 1/82 | Tkw |
| A-181 | <p>Ida Residence, Marlboro Twp. (Morganville), Monmouth Co.</p> <p>In 4/81 there was an overflow oil spill of about 120 gallons at the Ida residence. Initially, some contaminated soil was removed. Meenen Oil, responsible for the spill, will be removing more contaminated soil when they can find a landfill that can accept it. Contaminated soil was removed in 7/82. Case closed 7/82</p> | 1/82 | Ket |
| A-182 | <p>Kartashev Residence, Howell Twp., Monmouth Co.</p> <p>The resident's 85 foot deep well showed 50 ppm volatile organics on field meter. The well has been sampled and actual laboratory analyses showed no volatile organics. Case closed 10/82</p> | 2/82 | Tkw |
| A-183 | <p>Jolan Residence, Randolph Twp., Morris Co.</p> <p>Cable TV installers punctured fuel oil line and approximately 600 gallons leaked into the ground. Oil has been seeping into the basement and onto back patio occasionally. Monitor wells and a recovery system were installed. All contaminated soil and oil has been removed. After well is sampled case will likely be closed. Monitoring.</p> | 1/82 | Qt/hga |
| A-184 | <p>Ayres Residence, Franklin Twp. (Franklinville), Gloucester Co.</p> <p>The residents have noticed irregular tastes and odors in their well water since buying the home in 1976. The problem has continually worsened. They notified authorities in 1981 and their well was tested. The analyses showed 918 ppb of volatile organics including benzene and toluene. The well was condemned for domestic purposes. Other wells in the area were sampled and were clean. An industrial survey of the area and preliminary ground water flow information point to a nearby gas station. The station has tested some of their tanks for leaks, but needs to test the remaining tanks and install monitor wells to prove or disprove themselves as the source. Investigation continuing.</p> | 1/82 | Qu/Tch |
| A-185 | <p>Salem Radiological Contamination, Salem, Salem Co.</p> <p>Three public community water supplies had exceeded the upper limit for radiological contamination. The water supplies affected have taken steps to obtain other non-contaminated supplies for their users. A program will be initiated to determine the extent and source of contamination. Investigation continuing.</p> | 1/82 | Tch |

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| A-186 | Mobil Station (Ray's Petroleum), Whippany, Morris Co. A NJ Bell manhole on Rt. 10 is contaminated with gasoline. Strong fumes and floating product have been observed. The manhole is adjacent to Ray's Petroleum. The station installed monitor and recovery wells to remove the gasoline from the ground. Upon relining their storage tanks the gasoline contamination has begun abating quickly. Decontamination continuing. | 2/82 till/Trb |
| A-187 | Texaco Station, Hillsborough, Somerset Co. Pressure tests established presence of leaks in gasoline lines. Gasoline odors in drinking water on station property. Investigation continuing. | 12/82 Trb |
| A-188 | New Jersey Bell, Atlantic City, Atlantic Co. Number 2 fuel oil collected in Bell basement from cable duct system buried less than 10 feet below surface. Ducts are serving as conduits for oil-contaminated water. Probable source removed. Recovery system employed. Case closed 12/83. | 10/82 Qbs |
| A-189 | Hoesch Residence, Ocean Twp. (Waretown), Ocean Co. A fuel tank leaked approximately 200 gallons of heating oil onto ground surface. Homeowner excavated contaminated soil. Monitoring and recovery systems were installed. No contamination found. Case closed 12/83 | 12/82 Qcm |
| A-190 | Nixon's Store, Tabernacle Township, Burlington Co. Contamination of one shallow domestic well with organic compounds, possibly gasoline and/or engine degreasers. Septic sample revealed pesticide contamination. Additional potable wells sampled are clean. Investigation and monitoring continuing. | 11/82 Tch |
| A-191 | Simmonds Precision/Cooperative Industries, Chester Twp., Morris Co. The industry manufactures piping and plated conduits for aircraft. The lagoon and fire pond (non-contact cooling water and fire fighting respectively) contained several volatile organic chemicals. Volatile organics were also found in the production wells and a few nearby home wells. Thirteen monitor wells installed. PCE and other volatiles up to 10 ppm throughout the site. Two production wells and 2 private wells contaminated. Additional unconsolidated and bedrock wells recommended. Remedial action will be necessary to protect other wells. Investigation continuing. | 10/82 PC gneiss |
| A-192 | Chevron Gas Station, Hopatcong, Sussex Co. Due to a forced main pipe rupture, approximately 50 gallons of unleaded gasoline were lost. The gasoline contaminated four private home wells nearby. Recovery from these wells is now occurring. City water lines are now installed supplying residents with potable water. Case closed 6/83. | 10/82 PC gneiss |

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| A-200 | Flagtown Spill, Hillsborough Twp., Somerset Co. While excavating for a sewer line on 1st Ave. gasoline was found floating on the water table. The sewer authority is now installing a dewatering and decontamination system. Upon completion of the system the discharge will be analyzed before disposal. Investigation continuing. | 12/82 Trb |
| A-201 | Esposito Residence, Passaic Twp., Morris Co. Residence's well contained elevated levels of mercury. This well and neighboring wells have been resampled. DEP is waiting for the latest sampling results. Investigation continuing. | 8/81 Trb |
| A-202 | Gen-Tech, Linden, Union Co. #2 fuel oil overflowed and backed up into a nearby stream and storm drains. Because the area is underlain by a tight clay there was little or no effect on the ground water. Case closed 2/82. | 2/82 Qsd/Trb |
| A-203 | Franklin Twp. Maintenance Yard, Franklin Twp., Somerset Co. Low levels of volatile organics found in several domestic wells. The neighboring township Board of Education maintenance headquarters is a likely source since in the past they had abandoned a leaking tank. The present tank has been tested and found sound. However, back-hoe pits excavated close to the tank had approximately 1 inch of floating product on the water table. Investigation continuing. | 11/82 Trb |
| A-204 | Wilmont St., near Rt. 18, East Brunswick, Middlesex County A gasoline odor was noted in the basement of a private residence and was traced back to the local sanitary sewer. Two of 5 local gas stations had their tanks and lines tested for integrity; no leak was determined. The other 3 stations had their tanks replaced as a part of periodic upkeep. In the past year, no odor has been detected in the local home or the sanitary sewer. Local officials are continuing to monitor to determine if the situation recurs. Investigation continuing. | 6/81 Kmf |
| A-205 | Sunoco (Fairmount), Washington Township, Morris County Several private wells have been contaminated in the vicinity of this gasoline station. Six monitoring wells were installed on station site. Sampling of homes adjacent to the site continuing on a regular basis. Approximately 200 gallons of product recovered from station well. Investigation continuing. | 2/83 gh |
| A-206 | Arco (C & B), Piscataway, Middlesex County Leaking gasoline storage tanks resulted in fumes in residential basement nearby. Amount of product lost not determined. Investigation continuing. | 2/83 Trb |

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| A-207 | Bordentown Township Municipal Garage, Bordentown, Burlington County Gasoline began seeping onto floor of garage during period of high water table conditions. 38 year old, 6000 gallon steel tank located nearby; probably leaking. Investigation continuing. | 4/83 Ops/Kwb |
| A-208 | Breeze Corp., Kenilworth, Union Co. A fuel oil spill leaked into a storm sewer which discharged into an intermittent stream, and eventually to the Rahway River. This was essentially a surface water problem; majority of spill recovered in stream and river. Investigation continuing. | 9/81 Qm/Trb |
| A-209 | Duta Well, Vineland City, Cumberland Co. Reported oil contamination in domestic well. No further information was made available so no follow up was possible. Case closed 9/83. | 8/83 |
| A-210 | Little Egg Harbor Twp. Municipal Building, Ocean Co. Municipal building serves as police headquarters and gasoline is stored underground in steel tanks. Leak was reported and hydrostatic tests determined that gasoline may have leaked to ground water. One monitor well was installed next to tank and sampled for volatile organics. Contamination was not detected. Municipal building well has been contaminated by organic chemicals. Investigation continuing. | 4/83 Tch |
| A-211 | Holiday City, Dover Twp., (Silverton), Ocean County As a result of leaking fuel oil lines in this residential complex, the ground water has been contaminated. Eleven monitor wells have been installed and sampled. Nine of these wells showed the presence of oil. A recovery system has been installed. Investigation continuing. | 6/83 Tch |
| A-212 | 9th Street, Henderson to Manila, Jersey City, Hudson Co. Chromium waste was used as fill on residential lots. Unsaturated flow has resulted in surface enrichment and chromium contamination of inner basement walls. No contamination of the ground water has been detected. Contaminated fill and soils were removed. Case closed 3/84. | 5/83 Rf/Qal |
| A-213 | Ethicon (Johnson & Johnson), Somerville, Somerset Co. Spillage of PCE from above-ground tanks has contaminated the Brunswick shale. Consultant has been retained and hydrogeologic investigation has been proposed. Nearby wells have been sampled and have shown no problem. Investigation is continuing. | 4/84 Trb |

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| A-214 | <p>Getty, Willingboro, Burlington Co.</p> <p>Gasoline odors in a local subsurface telephone box resulted in monitor well installation at a local gas station. Floating product was not found; however, a gasoline odor was noted in downgradient monitoring wells. Monitoring.</p> | 10/82 | Qps/Kwb |
| A-215 | <p>N.J. Turnpike Maintenance Yard, Mt. Laurel, Burlington Co.</p> <p>A 2200 gallon gasoline spill occurred. Recovery was slightly in excess of 50 percent. No floating product remains in 5 constructed monitoring wells. Case closed 10/83.</p> | 5/83 | Ket |
| A-216 | <p>Sasdelli Oil, Getty & South Main Road, Vineland, Cumberland County</p> <p>Undetermined amount of gasoline has leaked from underground gasoline storage tanks and service lines. Gasoline fumes have become a nuisance to pizzeria in immediate vicinity. One monitor well was installed on station property. Additional monitor wells and removal of gasoline from wells was recommended. Investigation continuing.</p> | 6/83 | Tch |
| A-217 | <p>Garden State Parkway & Route 46, Clifton, Passaic County</p> <p>Drainage pipe originating under the Parkway discharges oil to a stream. Possible sources of oil: tanks buried under the Parkway at time of construction, oil spillages on the nearby railway embankment or illegal dumping. Investigation continuing.</p> | 6/83 | Qsd/Qgt |
| A-218 | <p>French Hill Inn, Wayne, Passaic County</p> <p>Contaminated potable well with a strong odor, presumably gasoline. The well is in the immediate vicinity of two gasoline stations. Both stations were inspected and report no product loss from inventory records. Tanks were checked and no leaks were found. Potable well also within 50 feet of old fuel oil tank. Tank and remaining fuel oil were removed in 1974. French Hill Inn switched over to city water. No source of contamination identified. Investigation continuing.</p> | 6/83 | Trb |
| A-219 | <p>Zektick Residence, Clinton Twp., Hunterdon Co.</p> <p>Private well in general vicinity of A-100 spill. No interrelationship. Owners have complained of hydrocarbon-like odors. Subdivision has individual fuel oil tanks. Municipal waterline available and tie-in recommended. Case inactive.</p> | 4/83 | Trb |
| A-220 | <p>Gamma Industries, Maurice River Twp., Cumberland Co.</p> <p>Site processed Colbalt 60 and 25-50 drums of waste were buried behind the plant in the woods. Site visit, 5/10/79, with DEP, Bureau of Radiation, and Cumberland County Health Officers to locate buried drums which were found but not excavated. Investigation continuing.</p> | 5/79 | Qcm |

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| A-221 | Exxon, Ramblewood, Burlington Co. Inventory loss revealed up to 1700 gallons of gasoline may have leaked to subsurface. Investigation revealed that a line from a storage tank to the pump island on Church Road was at fault. As a result, all lines were replaced and the storage tanks lined. Monitor wells were installed, and product recovery begun. Decontamination continuing. | 6/83 | Qu/Kmw |
| A-222 | Sunoco, Paterson, Passaic Co. Gasoline discovered leaking into basement of apartment house which was temporarily evacuated. Monitor wells and recovery system installed. Decontamination continuing. | 4/83 | Qt/Trbs |
| A-223 | Seven Evans Realty, Cape May City, Cape May County Contractor removed several abandoned, in-ground fuel tanks resulting in a loss of product. Four shallow monitor wells installed by the developer. No recoverable product on water table. There are no domestic wells threatened. Investigation continuing. | 9/83 | Qcm/Qchb |
| A-224 | Sapp Residence, Marmora, Cape May County A total of 4 potable water wells contaminated with gasoline. Six monitor wells installed using spill fund money under DWR/DWM supervision. Replacement wells installed 3/84. Company has hired a consultant to determine extent and magnitude of problem. Investigation continuing. | 9/83 | Qcm/Qchb |
| A-225 | Mobil, Mt. Holly, Burlington Co. Approximately 2600 gallons of gasoline were lost into the ground. Underground tanks failed Kent-Moore tests. Company installed five monitor wells on site. Well sampled had 0.5 ppm to 12.4 ppm of hydrocarbons. No domestic or public wells in the area are affected. Ground water flow direction and extent of contamination will be determined. Investigation continuing. | 8/83 | Kwe |
| A-226 | Mobil (Shotmeyer), Paramus, Bergen Co. Citizen complaint of gasoline odors in well water led to investigation of possible inventory loss at nearby gasoline station. Gasoline fumes were noticed in soils while drilling monitor wells proximal to storage tanks. Investigation continuing. | 10/83 | Qsd/Trb |
| A-227 | Crown Central Petroleum, Manalapan, Monmouth Co. Gasoline spill - petroleum hydrocarbon (gasoline) detected in nearby basement resulting in the company installing several monitor wells. Consultant handling clean-up operations. Additional monitor wells planned to be installed by consultant. Case closed 11/83. | 10/83 | Kmw |

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| A-228 | <p>Washington Valley Auto, Warren Twp., Somerset Co.</p> <p>Local health department began a sampling program after residents complained of gasoline odors in water from domestic supply wells. A service station was found to have had a leak. Residents are being connected to a municipal water supply. A hydrogeological study to determine extent of contamination is underway using the NJ Spill Fund as funding source. Investigation continuing.</p> | 12/83 | Qt/Trb |
| A-229 | <p>Hess Gas Station, Somerville, Somerset Co.</p> <p>In 1/84 a section of Peter's Brook in Somerville caught fire due to gasoline seepage. Four monitor wells were installed on the adjacent property and floating product was discovered in one well. Cleanup operations were initiated at the zone of seepage on the brook. Investigation continuing.</p> | 1/84 | Trb |
| A-230 | <p>Queensquare Condominium, Franklin Twp., Somerset Co.</p> <p>The problem of organic pollutants was discovered when the condominium complex had its well water sampled. A small dry cleaning establishment up gradient of the complex was tested. Soil boring revealed high concentrations of trans-1,2 dichloroethylene, tetrachloroethylene and trichloroethylene. Domestic wells in the area are also showing organic contaminants. Investigation continuing.</p> | 1/84 | Trb |

Illegal Dumping (D)

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| D-1 | Pleasant Plains (Reich Property), Dover Twp., Ocean Co. Industrial chemicals dumped on the Reich Property. 55 gallon drums were from the Union Carbide plant at Bound Brook and dumped by N. Fernicola. Hundreds of wells were contaminated in Pleasant Plains area. Superfund listed. Investigation continuing. | '74 Tch |
| D-2 | Beachwood Plaza, Berkeley Twp., Ocean Co. Up to 15,000 drums containing various chemicals were reported dumped behind Beachwood Plaza. Effect of contamination unknown. Case inactive. | 9/74 Qcm/Tch |
| D-3 | Lang Property, Pemberton, Burlington Co. Some 1500 chemical drums were dumped. Liquid chemicals were present on the ground surface and affected the quality of Cohansey sand and adjacent stream. Drums were removed in 1976. Modified monitoring wells installed and samples taken. DEP, Division of Waste Management proposed monitoring of site. Superfund listed. Monitoring. | 9/75 Tch |
| D-4 | Jackson Twp., Ocean Co. Dumping of various chemicals and drums on the Walter Powers property. Phenols reported in wells. Waste removed. Case closed late 1976. | 5/76 Tch |
| D-5 | Jackson Twp., (Pleasant Plains) Ocean Co. Chemical drum dump of Union Carbide. Sambol construction owns the property. Drums have been removed to Dover Twp. landfill, (L-5) by Sambol. Union Carbide has removed all drums from Dover and Jackson for disposal. Several drums spilled on the ground. Material removed. Case closed 1977. | Spring '77 Tch |
| D-6 | King of Prussia Landfill, Winslow Twp., Camden Co. Former liquid waste disposal site has several unlined lagoons and discarded drums of chemical waste. Observation wells show a high concentration of Cr and organics. Site is closed. Superfund listed. Investigation continuing. | 1/75 Qt |
| D-7 | Independence Twp., Warren Co. Approximately 200 drums of soy oil, etc. from a candy manufacturer was stored and spilled in a gravel pit in the Pequest area. Case closed 1978. | '77 Qs |
| D-8 | Keyport, Monmouth Co. 2000 drums of chemicals were reported to have been dumped here. Preliminary site inspection revealed no evidence of drums. Case closed 1976. | '76 Kmw/Kmv |

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| <p>D-21 D'Imperio Dump Site, Hamilton Twp., Atlantic Co. An unknown number of drums were dumped and buried behind the Motel Dennis about eight years ago. Plume containing organic chemicals is moving southeast 40-100 feet per year in water table aquifer. Extent of contamination in lower aquifer is unknown. Full scale feasibility study underway by EPA's consultant. Five deep-shallow pairs of monitor wells have been installed, two more pairs will soon be installed. Final report with suggested remedial alternatives will follow completion of field work. Investigation continuing.</p> | 3/81 | Qbt/Tch |
| <p>D-22 Caldwell Sewage Treatment Plant, Caldwell, Essex Co. The Borough was cited by DEP for the dumping of non-composted sludge behind their plant. Downgradient ground water samples showed increased levels of heavy metals and nutrients. The Boro has been directed to remove all non-composted sludge. Case closed 6/82.</p> | 12/80 | Qsd/Trb |
| <p>D-23 Jone's Farm, Upper Freehold, Monmouth Co. Illegal dumping of drums behind a liquor store, on Rt. 537, along Lahaway Creek in an area 200 by 100 feet. Approximately twenty-55 gal. drums labeled waste oil, non-chlorinated solvents, alcohol and waste lacquers are scattered about. NJGS recommendations were forwarded to DWM. Investigation continuing.</p> | 11/81 | Tvt |
| <p>D-24 Williams Property, Middle Twp. (Swainton), Cape May Co. Many drums were dumped and ground water has been contaminated by the dumping. Monitor wells installed and sampled since 1980 show the organic chemical contamination is moving. DEP is sampling the potable wells near the dump. Superfund listed. Investigation continuing.</p> | 1/80 | Qchb/Tch |
| <p>D-25 Serin Site, Franklin, Sussex Co. Former dump site suspected of receiving toxic materials. Discovered during Metaltec investigation (I-6). Water and soil samples show some heavy metal contamination. Site may be investigated through Superfund. (See I-6). Inactive.</p> | 9/81 | PC |
| <p>D-26 Bischak Site, Franklin, Sussex Co. Former municipal dump suspected of receiving toxic materials. Uncovered during Metaltec investigation (I-6). Site may be investigated through Superfund (see I-6). Inactive.</p> | 9/81 | PC |

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| D-27 | Petracca Landfill, Riverdale, Morris Co. A landfill was operated at this location without the necessary permits. Solid waste including dirt, tree stumps, demolition debris and 100-150 drums containing fatty acids and other unknown materials have been dumped at the site. Soil, drum and leachate sampling has indicated contamination of a nearby stream and possible degradation of ground water. The owner has been directed to remove the drums and install monitor wells. Investigation continuing. | 12/81 PC |
| D-28 | Waldick Aerospace Devices, Wall Twp., Monmouth Co. Company was illegally dumping acids, plating wastes, and oil on surface outside building. Company is currently recycling or hauling wastes off-site. Monitor wells have been installed and sampled. Low-level contamination of ground water was found. Contaminated soils were removed and are currently stored on-site. These soils may represent a continued source of contamination. Investigation continuing. | 8/82 Tkw |
| D-29 | Jackson Gravel Pit, Jackson Township, Ocean Co. This is a hazardous waste site suspected of having received industrial chemical wastes similar to those found at the Plumsted Township sites (See also D-30, D-31, D-32, D-35 and D-36). Investigation continuing. | 2/80 Tkw/Tvt |
| D-30 | Hopkins Farm, Plumsted Township, Ocean Co. This is one of five hazardous waste sites in the Plumsted area (see also D-31, D-32, D-35 and D-36). Drums were dumped here over 20 years ago, and liquid dumping probably occurred. Monitor wells are in place and sampling is planned in the near future. Investigation and monitoring continuing. | 2/80 Tch |
| D-31 | Spence Farm, Plumsted Township, Ocean Co. This is one of the Plumsted area's four hazardous waste sites targeted by EPA under Superfund (see also D-30, D-32, D-35 and D-36). A consultant has been hired and a full scale feasibility study of remedial alternatives has begun. Investigation continuing. | 2/80 Tkw/Tvt |
| D-32 | Friedman Property, Upper Freehold, Monmouth Co. This is one of the Plumsted Township area toxic waste sites that dates back to the 1950's and 60's (see also D-30, D-31, D-35 and D-36). Suspected of having received drums and liquid organic wastes. Monitor wells and test pits were installed 8/83. The consultant for the state working under Superfund. Final report soon to be completed. Investigation continuing. | 2/80 Tht/Tvt |

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| D-33 Rt. 72 Site, Woodland Township, Burlington Co. | 6/82 |
| <p>This site is located off NJ Rt. 72 and is approximately 15 acres in size. Dumping of chemical and industrial wastes was done here 20 to 30 years ago. Rusted drums, broken glassware, and sludges cover the entire area. Four monitor wells were installed by EPA in 1980. Analyses showed hazardous organic compounds in the ground water (see Woodland Township, Rt. 532 site D-34). Negotiations with generators and EPA (Superfund) nearing completion. Investigation continuing.</p> | |
| Tch | |
| D-34 Rt. 532 Site, Woodland Township, Burlington Co. | 6/82 |
| <p>The site is located off county Rt. 532 west and is approximately 30 acres in size. Dumping of chemical and industrial wastes was done here 20 to 30 years ago. Rusted drums, broken glassware and sludges cover the entire area. Four monitor wells were installed by the EPA in 1980. Analyses showed hazardous organic compounds in the ground water (see Woodland Township, Rt. 72 site, D-33). Negotiations with generators and EPA (Superfund) are nearing completion. Investigation continuing.</p> | |
| Tch | |
| D-35 Pijak Farm, Plumsted Township, Ocean Co. | 2/80 |
| <p>This is one of the Plumsted area's four hazardous waste sites targeted by EPA under Superfund. See also D-31, D-32 and D-36. Drums were buried here over 20 years ago, and liquid dumping of industrial chemical wastes probably occurred. A consultant has been hired and a full scale feasibility study of remedial alternatives has begun. Investigation continuing.</p> | |
| Tkw/Tvt | |
| D-36 Goose Farm, Plumsted Township, Ocean Co. | 2/80 |
| <p>A large number of drums dumped approximately 20 years ago at this and four other localities (D-30, D-31, D-32 and D-35) was brought to the attention of DEP. An investigation on 2/27/80 revealed dumping of both drums and liquids. An extensive clean-up of drums and some soils was completed in 11/81. A ground water decontamination system was also in place for a time. Ground water sampling has been performed and contamination remains serious. Soils contaminated with PCB's and a host of other compounds also remains. Feasibility study of remedial alternatives under Superfund will begin in near future. Investigation and monitoring continuing.</p> | |
| Tch/Tkw/Tvt | |

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| D-37 Krysovaty Farm, Hillsborough Twp., Somerset Co. | 7/82 |
| <p>Homeowner complaints concerning chemical odors in their well water resulted in DEP investigations into the disposal of chemical wastes at an abandoned farm. The wastes were deposited between 1965 and 1970. Township hired consultant for ground water study. Very low levels of benzidene (42 ppb) reported in monitor well drilled on site. Subsequent sampling by EPA and DEP has not confirmed its presence.</p> | Trb |
| <p>Superfund listed. Remedial investigation report and feasibility study is under DEP review as of 3/84. Investigation continuing.</p> | |
| D-38 Storer Dump Site, Marlboro Twp., Monmouth Co. | 3/83 |
| <p>Owner operated unpermitted dump. All manner of refuse accepted including numerous 55-gallon drums filled with unknown liquid. Some drums marked "Laquer Thinner". Investigation continuing.</p> | Ket |
| D-39 Ambrose Brook Landfill, Piscataway Twp., Middlesex Co. | 5/83 |
| <p>Leachate from uncertified landfill is contaminated with volatile organics. Although this site was never its property, a local company has agreed to undertake a study to define the on-site conditions. Investigation continuing.</p> | Rf/Trb |
| D-40 Ewan Property, Shamong Twp., Burlington Co. | 2/83 |
| <p>An unknown number of drums containing volatile organic compounds and metals were discovered buried in trenches. There is also evidence of surface disposal of sludges. A surface conductivity survey was conducted by DEP, and five monitor wells installed. Ground water sample results showed serious contamination. Superfund listed.</p> | Qt/Qsd |
| Investigation continuing. | |
| D-41 Ringwood Mines Landfill, Ringwood, Passaic Co. | 7/79 |
| <p>The Ringwood Mines Landfill site is located on approximately 500 acres in the Boro of Ringwood. Between 1963 and 1974 industrial waste from Ford (Mahwah) and possibly other industrial refuse was disposed of in open mine shafts and pits located in the area. Municipal and industrial wastes were also buried or disposed of at three other locations within the site. A Remedial action master plan, which will serve as the basis on which to decide future actions, has been prepared under Superfund. Investigation continuing.</p> | Qu/gno |
| D-42 Cheesequake Park, Old Bridge Twp., Middlesex Co. | 5/83 |
| <p>Lead contaminated drums were buried at and in the vicinity of a closed, uncertified landfill on DEP, Division of Parks and Forestry property. The total extent of fill is not known. A drum refinishing facility had operated directly to the north of the landfill. Monitoring well installation has been recommended. Investigation continuing.</p> | Qal/Km |

D-43 Frontage Rd. Drum Dump, Newark, Essex Co. 4/84

Initial site visit made in 4/84. There are four piles of drums beneath Rts. 1 and 9, along Conrail tracks in this industrialized area. Monitor wells were recommended as part of a limited ground water assessment. Investigation continuing.

Qsd

D-44 West Paterson, Memorial Drive Lot, Passaic Co. 3/84

This site was used for disposal of wastes from the manufacturing of illuminating gas. Presently, the site is owned by Singer Company. In 1984 Singer will investigate extent of soil, sediment, surface water and ground water contamination on the site. Investigation continuing.

Qsd

Industrial (I)

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| <p>I-1 Magnesium Elektron, Kingwood Twp., Hunterdon Co. An unlined lagoon filled with waste from zirconium processing. Surrounding area wells have been found to be contaminated by high amounts of TDS, sulfates, Na, Cl, ammonia, etc. Company has installed lined lagoons. Case closed 1981.</p> | <p>Summer '76 Trl</p> |
| <p>I-2 X-Cell Co., Belvidere, Warren Co. Acetone in an unlined lagoon. Monitor wells installed. Contamination appeared to be abating. Case closed 1978.</p> | <p>9/76 Qs</p> |
| <p>I-3 Hoffman LaRoche, Belvidere, Warren Co. Contamination of ground water due to unlined lagoons, sewer and chemical line breaks, chemical tank leaks and fallout from air emissions. Contaminating air emissions have ceased. Tanks and lines were checked and repaired. One well pumping continuously to waste. Consultant initiated an expanded ground water investigation. Water quality data is submitted monthly. One well off-site contaminated with chloroform. Three additional monitor wells will be installed in early 1984. Investigation continuing.</p> | <p>7/75 Qsd/Omb</p> |
| <p>I-4 Northern Fine Chemical, Franklin, Sussex Co. Northern Fine and the Town of Franklin discharged into a sump. Part of the sump waste goes out through a pipe to a river and part into the ground. A new well 260 feet deep was contaminated by the sump which is directly up-gradient of a well. Company is no longer in operation. Surface cleanup completed in 1980. Case closed 12/80.</p> | <p>9/75 fl</p> |
| <p>I-5 Cellate, Franklin, Sussex Co. Company dumped its waste down a mine shaft. This large volume of waste flowed underground through an old storm sewer to a river. Dye traced in 1975. Company closed and left area in 11/76. Property now owned by Metaltec, a nearby industry which is the subject of an enforcement case and a Superfund candidate (See I-6). Case inactive.</p> | <p>6/75 gn</p> |
| <p>I-6 Metaltec (Aerosystems), Sussex Co. Waste cutting oil was being dumped into an unlined lagoon. Other sources on site. Principal compound is TCE. Private wells and municipal well closed. Case has gone to Superfund in spring, 1984 after failure to negotiate settlement. Investigation continuing.</p> | <p>Fall '76 Qgu/fl</p> |
| <p>I-7 Lucas Paints (Sherwin Williams), Gibbstown, Gloucester Co. Paint waste that was dumped into a lagoon has contaminated the ground water according to well analyses. Sludge disposal area is also contaminating ground water. The sludge was removed in 1980 and the wells replaced in spring, 1981. Case closed 1981.</p> | <p>Spring '75 Tkw</p> |

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| I-8 Chemed., Howell Twp., Monmouth Co. | 10/76 |
| Silver stripping company discharged into an unlined lagoon and four wells were contaminated. 3 to 8 ft. of soil was removed. Wells were closed and interim drinking water was brought in. After being sued by Howell Twp. for \$4000 and DEP for \$1250, Chemed closed its plant. Case closed 1977. | Tch/Tvt |
| I-9 Rollins Environmental Service, Logan Twp., Gloucester Co. | 4/70 |
| Facility is a chemical waste treatment (incineration) plant. Monitor wells show ground water beneath site is contaminated. Site cleanup of lagoons, both lined and unlined, initiated in 1982 under an administrative consent order. Decontamination of ground water is proceeding and increased decontamination through pumpage is planned. Decontamination continuing. | Ops/Kmr |
| I-10 Dupont (Chambers Works), Pennville (Deepwater), Salem Co. | 70 |
| Severe ground water contamination has occurred here. Recovery wells are pumping and ground water is treated at on-site treatment plant. Decontamination continuing. | Qcm/Kmr |
| I-11 Shield Alloy, Newfield, Gloucester Co. | 5/75 |
| Company discharged chrome laden wastes to unlined lagoons. Borough well and private well were contaminated and replaced. Company's consultant did extensive investigation resulting in the installation of a recovery well. Operational problems have limited the well's effectiveness. A geophysical survey completed by DWR in 1981 shows contamination has migrated past the recovery well. Additional remedial action will be performed when investigation is completed. Superfund listed. Investigation continuing. | Tch |
| I-12 Pine Wall Nursing Home, Berkeley Twp., Ocean Co. | 9/76 |
| Ground water contamination by large volumes of sewage from septic field. Wells 40 and 90 feet deep were contaminated. Deeper well recommended. Source to be eliminated by hookup to sewer. Case closed 1977. | Tch |
| I-13 IRC, Sayreville, Middlesex Co. | Spring '75 |
| Metal reclaiming company has contaminated ground water. The pH of the water was 1 or less. No further enforcement involvement. Case closed 1984. | Kmr |
| I-14 Exxon, Bayonne (Constable Hook), Hudson Co. | 9/74 |
| Oil found in the ground water from refinery complex that continually discharged oil from tanks and pipelines. Exxon was required to collect and retain for disposal all contaminated surface water on property, treat all contaminated surface runoff, and develop a system which will contain and remove all of the subsurface contamination. Installed extensive oil recovery system. Case closed 1979. | Rf/Qs |

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| I-15 Shell Oil, Sewaren, Middlesex Co. | 73 |
| Gas leaking from pipes, tanks, etc. over the past 50 years. In 1975, 1.5 million gallons of gasoline were recovered by recovery wells. They have executed a decontamination program. Case closed 1978. | Qs |
| I-16 Madison Industries, Old Bridge Twp., Middlesex Co. | 72 |
| Zinc by-products stored on the ground. Perth Amboy public supply wells in the Old Bridge Sand aquifer have been contaminated. Appeals have been heard in favor of the state. Awaiting a DEP management decision to go ahead with court order or company cleanup. Case closed 9/83 | Kob |
| I-17 Plessey, Frenchtown, Hunterdon Co. | 10/75 |
| Metal plating wastes were discharged into overburden near the Delaware River. Ag, Zn, Ni, Cu, and CN in discharge. Ground discharge abandoned in favor of a treatment facility and surface discharge to the river. Approval issued 7/81. Case closed 8/81. | Qal |
| I-18 CPS, Old Bridge Twp., Middlesex Co. | 73 |
| Organic chemicals in the ground water above Perth Amboy, Runyon Well Field. Appeals have been heard in favor of the state. Awaiting management decision to go ahead with court order or company cleanup. Case closed. | Kob |
| I-19 Bridgeport Oil and Rental, Logan Twp., Gloucester Co. | 76 |
| Waste oil storage in an old gravel pit has contaminated the ground water. Oil seeps into adjacent marsh and streams. Many wells in area show low level organic contamination. Dike rehabilitation completed in 6/81. Preliminary site study has been completed. Superfund listed. Investigation continuing. | Qcm/Kmr |
| I-20 National Smelting, New Jersey (Former NL Industries site) Pedricktown, Salem Co. | 76 |
| Lead contaminated the ground water beneath the site. Company has cleaned up contaminated soils and placed it in a lined, secure landfill on-site. Abatement system to recover contaminated ground water installed late 1983. Superfund listed. Investigation continuing. | Qps/Kmr |
| I-21 Sparta Sand and Gravel, Sparta, Sussex Co. | 75 |
| Salt storage has contaminated the major water resource aquifer for the region with Cl. The operators have installed pads and covered the piles. Case closed 1976. | Qsd |

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| I-22 Uniroyal (former Phelps Dodge site), South Brunswick, Middlesex Co. | 6/75 |
| <p>This was a metals processing operation which closed in 1974 and is now owned by Uniroyal, Inc. Unlined lagoons received plant effluent. Monitor wells were installed by 5/79 but sampling delayed by poor well design. Sampling for metals and organic solvents in 1979 and 11/81 found essentially no contamination. The "Phelps Dodge" case as such is closed but selected on-site monitor wells are being used as upgradient wells for the J.I.S. landfill (L-17) investigation. Monitor wells will be sealed when appropriate. Case inactive.</p> | Kmr |
| I-23 BASF, South Brunswick, Middlesex Co. | 6/75 |
| <p>BASF (S. Brunswick) makes polystyrene. Effluent is discharged to a series of deep unlined lagoons and to municipal sewer. Solids had been sent to the J.I.S. landfill (L-17). There were two phases of monitor well drilling and extensive sampling which showed no styrene-related ground water problem. BASF is adjacent to Uniroyal site (I-22). Uniroyal wells are used occasionally as part of the J.I.S. (L-17) investigation. Monitoring.</p> | Kmr |
| I-24 Certain Teed, Winslow Twp., Camden Co. | '73 |
| <p>Phenols in ground water from waste lagoons. There were at least five domestic wells contaminated. Lagoons were excavated and filled in. In 1978 further complaints received from homeowners. Company has drilled deep wells for affected homes. Case recommended for NJ Spill Fund. Case closed 1984.</p> | Tch |
| I-25 Johns-Manville, Winslow Twp., Camden Co. | '76 |
| <p>Phenols were found in observation wells from a leaking pond. Study done by consultant discovered contamination in 1975. New lined ponds being constructed. Case closed 1978.</p> | Tch |
| I-26 Biocraft, Inc., Waldwick, Bergen Co. | 2/76 |
| <p>Biocraft manufacturers penicillin. Solvents used in their process leaked from below-ground storage in 1975. As a result, acetone, methylene chloride, and butyl alcohol reached the water table in the overburden which overlies the bedrock aquifer. Repairs were made, regular inventory and tank testing were instituted and monitor wells were drilled. Ground water cleanup using an improvised system began in 1976. Biostimulation cleanup was proposed in 5/79 and the system went on line in 7/81. Recovery wells and trenches are used. Treatment results are excellent and the overburden is being decontaminated. Concern for the bedrock aquifers persists. Changes and additional work are under discussion. Decontamination continuing.</p> | Qm/Trb |

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| I-27 Accurate Forming, Hamburg, Sussex Co. | 9/80 |
| <p>Spillage from storage area entered the Walkkill River. Facility was required to line lagoons by DEP, Bureau of Oil and Hazardous Materials Control, in 1975. Chromic acid lagoons are lined with 3 mil PVC which has deteriorated. Four monitor wells installed and sampled. Enforcement case closed 4/84. Transferred to BGWDP.</p> | |
| Cl/Ca | |
| I-28 Allied Chemical, Morristown, Morris Co. | 12/76 |
| <p>Two organics, carbon tetrachloride and chloroform, were discovered in Allied's well no. 2 in 1976. A site investigation and remedial program using pumping were carried out. Pumping initially of one and, now, two wells has been underway since 1977 in order to purge the low level (<100 ppb) organics from the aquifer. The discharge goes to surface water under a permit. Concentrations are less than 1 ppb at the discharge point. Concentrations in the aquifer have been decreasing slowly since 1977. Decontamination continuing.</p> | |
| Qtm/Trb | |
| I-29 Fluid Chemical, Lakewood Twp., Ocean Co. | 3/76 |
| <p>Cosmetic waste liquids and sludges were discharged on the ground surface and percolated to the ground water over a five year period. Dead trees indicated ground water contamination. Case is adjacent to I-165. Case inactive.</p> | |
| Qcm/Tch | |
| I-30 Vineland Chemical, Vineland, Cumberland Co. | 73 |
| <p>Arsenic wastes stored on the surface with effluent disposal in percolation ponds. Arsenic found in surrounding wells, in the adjacent marsh, and in the nearby Blackwater Branch. Treatment system installed in 1980. Improvised decontamination of ground water underway. Significant site clean-up has taken place. Consent agreement signed after prolonged negotiations in 1981. Four additional monitor wells installed in 5/81. Changes in the treatment system requested by DEP. Three additional wells drilled and a pump test was conducted in 6/82. The company's consultant has reviewed the data and designed a partial recovery and containment system. DEP is requiring additional on-and off-site work and the design of a complete recovery and/or containment system. Investigation and decontamination continuing.</p> | |
| Tch | |
| I-31 Oxford, White Twp., Warren Co. | 73 |
| <p>A high concentration of iron is found in a residential well due to runoff from the abandoned Washington Mine. Problem has slowly abated. Case closed 1976.</p> | |
| PC | |

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| I-32 Mine Hill, Morris Co. | 71 |
| Methane due to dumping of garbage and other material in the Byram or Millen Mine was reported in a well. Homeowner hooked up to municipal water. Case closed 1977. | PC |
| I-33 International Wire Products Inc., Wyckoff, Bergen Co. | 76 |
| From discharging to the ground, the water quality of selected wells including their own supply well indicates elevated concentrations of fluoride, nickel and volatile organics. Connection to the sewer system for discharge of wastes is forthcoming. Currently the wastes are being trucked to the North West Bergen County Sewer Authority. Monitor wells have been installed and an aquifer restoration program has been initiated. Approximately 80,000 gallons per day are restored. Decontamination continuing. | Qsd/Trb |
| I-34 Ventron Corp., Wood-Ridge, Bergen Co. | 74 |
| A mercury processing plant on this site for several decades has severely contaminated the site and adjacent Berry's Creek with mercury. Cd, Zn, As, Cr, and Pb have also been found. The 30-acre site is estimated to contain over 200 tons of mercury. Several corporate takeovers of the facility have complicated the liability issue. A lower court ruled that Ventron and three other corporations are responsible for the clean-up of the site and Berry's Creek; the corporations have appealed to the State Supreme Court. As per the lower court's decision, DEP submitted, in 1982, a dredging plan for Berry's Creek. Subsequent to that, in 1983, Velsicol Morton Thiokol submitted a proposal to DEP to clean up the area themselves. An investigation plan was prepared and reviewed by the NJGS. Case in litigation. | Ru/Qsd |
| I-35 Albion, Winslow Twp., Camden Co. | 76 |
| First case opened in 1976 when volatile organics were found in residential potable supply wells. No source found but septic tank disposal of organics was suspected. Case closed in 1976. Case reopened in 9/82 when other residences in the previously affected area showed high levels of volatile organics. Source of contamination is unknown. Alternate water supply options are under consideration. Investigation continuing. | Tch |
| I-36 Monroe Municipal Well Contamination, Monroe Twp., Gloucester Co. | 11/76 |
| Mercury found in two public supply wells. No source could be determined. New well installed. Case closed 1978. | Tch |

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| I-37 Fairfield Boro. Regional Contamination, Fairfield Boro, Essex Co. | 4/76 |
| Two public wells and many private wells closed due to high levels of volatile organics. Two local firms have been required to install monitor wells. Several other firms under investigation. Regional ground water contamination found. Superfund listed under "Caldwell Trucking Site". Investigation continuing. | Qsd/Trbs/Trb |
| I-38 Fisher Scientific Co., Bridgewater Twp., Somerset Co. | 8/76 |
| Organics leaked from a railroad cut behind plant. Seepage from the outcrop is very slow but has access to the Raritan River. Fisher has upgraded its storage area and made procedural changes at the plant in order to minimize spillage. In addition, a recovery trench system was installed and the pumpage of a recovery well and spring is on-going. Fisher has installed and sampled 20 monitor wells on-and off-site, taken and analyzed soil samples and implemented a sampling program of domestic wells in the area (Bradley Gardens). DEP is awaiting submission of the Phase II report of Fisher's hydrogeologic study. However in the interim Fisher has offered to supply the residents of Bradley Gardens (466 homes) with connections to city water. Investigation continuing. | Trb |
| I-39 Cooper Chemical, Washington Twp., Morris Co. | 4/76 |
| Iodine contamination of several springs about one-half mile from this silver iodide handling plant. One homeowner has received a new well from Cooper Chemical. The entire waste effluent system has been redesigned and engineered to eliminate the liquid discharge to the environment. Iodine problem appeared to be abating. However, four additional homeowners have complained that their wells may be contaminated. Additional sampling of domestic wells will be done. Investigation continuing. | Qed/PC |
| I-40 Sybron Chemicals, Pemberton Twp., Burlington Co. | 2/77 |
| Company discharged process wastes to unlined lagoons. Monitor wells confirm that ground water is contaminated with dichloroethylene and dichloropropylene. Future problems with deeper confined aquifer are suspected. Sludge in lagoons has been tested. Poor housekeeping has caused additional problems. Investigation continuing. | Qcm/Kns |
| I-41 Tri-County Vegetable, Rosenhayne, Cumberland Co. | 1/77 |
| Spray irrigation of food processing wastes of peeling operation. High nitrate content found in an on-site well and in the surrounding area wells. Monitor wells recommended in 1979 but not installed. Directive letter in preparation early 1983. Case closed 1983. | Tch |

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| I-42 Thatcher Glass, Wharton, Morris Co. | Summer '76 |
| Thatcher's effluent was discharged through an old sewer line and migrated into the glacial deposits in this area. There have been complaints of oil/grease in a nearby potable well. Thatcher has stopped its discharge. The potable well was last sampled on 1/82 and proven clean. Case closed 7/82 | Qgu |
| I-43 Swepeco Tube, Clifton, Passaic Co. | 9/77 |
| Contamination of ground water by hydrofluoric acid from pickling area. Four monitoring wells installed; manganese, flouride, nitrate, and iron were found. Case inactive. | Trb |
| I-44 Polyrez Company, Woodbury, Gloucester Co. | 10/77 |
| A phenol leachate spring was seeping from a filled area behind the plant. An investigation revealed an old pit containing phenol wastes. Monitor wells were installed and sampled. A slurry trench cutoff wall was placed around the one acre dump, and the area was sealed with an asphalt pad. Leachate is being pumped from the pit and burned in an on-site incinerator. Recovery continuing. | Kmv |
| I-45 Yates Industries, Bordentown, Burlington Co. | 10/77 |
| An assessment of the impact on the ground water from old copper sludge lagoons and copper scrap is being made. Monitor wells are in place and a remedial program is in effect involving recovery wells and a treatment plant. Upgraded recovery pits and trench installed during 1983. Decontamination continuing. | Kmv |
| I-46 Riverside Metals, Riverside, Burlington Co. | 8/77 |
| Unlined lagoons filled with copper sludge found on this site about 50 feet from Rancocas Creek. Copper sludge removed in 1978. No monitor wells recommended. Case closed 1978. | Qcm/Kmr |
| I-47 American Cyanamid, Bound Brook, Somerset Co. | 9/77 |
| This is a very large and old industrial chemical plant which has many lagoons and other sources of ground water contamination. Organic chemicals are reaching the bedrock aquifer through the overburden. A consent agreement was signed in 12/81. A large-scale, long-term investigation is underway. Pumpage from three on-site production wells is controlling contaminant migration within the bedrock. Lagoon closure and decontamination will require at least several years. Periodic monitoring reports are submitted to DEP. Investigation continuing. | Qal/Trb |

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| I-48 Camden Municipal Wells, Camden, Camden Co. | 7/78 |
| Organics have been found in three city wells. Many possible sources have been identified and the most obvious possibilities are being evaluated. There is little likelihood of isolating the source(s). Related to L-25 and I-193. Investigation continuing. | Kmr |
| I-49 PSE&G, Kearny, Hudson Co. | 9/78 |
| Mercury found in soil near the Passaic River from an old, abandoned heating and generation system. There is the possibility of no ground water movement due to a bulkhead and very fine soils. Consent agreement signed in 1981. Ground water shows low concentration of mercury. Monitoring. | Qal/Qsd/Trb |
| I-50 Reichhold Chemical Inc., Carteret, Middlesex Co. | 12/78 |
| Surface discharge high in phenols, chloroform, oils, and grease is present which may enter the ground water. Monitor wells have been installed. High phenol concentrations found in one monitor well. Monitor well with high phenols is pumping to the sanitary sewer system. As of 5/81 company is continuing periodic sampling of monitor wells. Case closed 1981. | Trb |
| I-51 Great Adventure, Jackson Twp., Ocean Co. | 5/77 |
| Monitoring the changes in the ground water from spray irrigation and liming at Safari Park is taking place. Monthly analyses of the 12 monitor wells indicate change in ground water quality. Expansion of spray field in 1980 season. Further expansion in 1981. Redesigning spray area. NJPDES permit being processed. Case closed 2/82. | Tch |
| I-52 Culligan Co., Lebanon Borough, Hunterdon Co. | 77 |
| Runoff from piles of regenerating salt and high chloride wash water in septic system has polluted ground water in the Brunswick Formation. At least four homes have been affected. Salt piles have been cleaned up. Public water has been brought into homes. Case closed 1980. | Trb |
| I-53 Mahwah Twp. Well Field, Bergen Co. | 7/79 |
| Ground water contamination by volatile organics. Old station well has been closed. West Well Field has shown some levels of organics and is still under investigation. Cooperation between DEP and local health departments has been helpful in locating potential sources of the contaminants. The most recent analysis of Mahwah wells showed no presence of organic chemicals. Investigation continuing. | Qsd/Trb |

I-54 Fair Lawn Well Field, Fair Lawn, Bergen Co. 1/79
 Five out of seventeen municipal wells are contaminated by volatile organics, such as trichloroethylene, 1,1,1 trichloroethane, chloroform, tetrachloroethylene and carbon tetrachloride. The contaminated wells have been continually pumped to waste to purge the aquifer. The town is considering treatment of the wells. The source of the contamination has been identified as nearby Sandvik, Inc., and Fisher Scientific Co. These companies are planning to clean up the sources of contamination and pay for treatment of the contaminated municipal wells. Superfund listed. Decontamination continuing. Trb

I-55 Hawthorne Municipal Wells, Passaic Co. 1/79
 Several wells out of 22 in Hawthorne's well fields are contaminated by volatile organics, such as trichloroethylene, trichloroethane, and tetrachloroethylene.
 Two possible sources include Inmont Corporation and an old mercury processing plant now operated by Calgon Inc. Monitor wells installed at Calgon and at Inmont. Enforcement pressing for further evaluation and clean-up with regular monitoring. Investigation continuing. Trb

I-56 Perry Industries, Hainesport, Burlington Co. 4/79
 Unlined lagoon disposing of cleaning materials for metal reprocessing. Lagoon near Rancocas Creek. Monitor wells and sampling proposed. Case inactive. Kmw

I-57 L.E. Carpenter, Wharton, Morris Co. 5/79
 Company had an unlined sludge lagoon and below-ground chemical storage. Site is on the Rockaway River. There is a body of xylene solvent floating on the water table beneath the site and high-level dissolved organic contamination within the aquifer beneath the site. An administrative consent order was signed in 1/82. The sludge lagoon was removed in the spring, 1982. A program for removal of both floating and dissolved product is being prepared after repeated delays. Floating product recovery program should begin spring, 1984. Investigation continuing. Qtm/Qsd

I-58 Kauffman-Minteer, Inc., Springfield Twp. (Jobstown), Burlington Co. 5/79
 Possible ground-water pollution from a 100' x 500' unlined storage lagoon containing plasticizers, detergents, lube oil, and waxes from tank truck wastewater. Two monitor wells were installed, and sampled. No contamination was found. Case closed 6/82. Kns

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| I-59 International Flavors and Fragrances (IFF), Union Beach, Monmouth Co. | 4/79 |
| Ground water has been contaminated from spills or leaks from some of the 20,000 55-gallon storage drums on the property and from three unlined storage lagoons. Sixteen monitor wells were installed and sampled, indicating high levels of organic pollution. A 500 foot recovery trench has been installed. Contaminated ground water is pumped into an on-site treatment plant before discharge to the local MUA. Decontamination continuing. Enforcement case closed 4/84. Transferred to BGWDP. | |
| | Kwb |
| I-60 New Jersey Water Company, Washington Boro, Warren Co. | 4/79 |
| Trichloroethylene at levels of over 100 ppb were found in Well No. 4 and tetrachloroethylene at levels of over 100 ppb in Well No. 3. Investigation has been started to determine the source. Analyses of all wells in the area indicate that only the two water company wells have significant contamination. No source found. Case closed 1982. | |
| | COK |
| I-61 Apex Plating, Franklin Township, Warren Co. | 12/78 |
| Ground disposal of plating waste has led to contamination of three wells. The cadmium plating operation was taken out of service as soon as the problem was found. Company in process of developing a treatment system. Enforcement case closed 5/83. Transferred to BGWDP. | |
| | COK |
| I-62 Sherwin Williams (formerly Ashland Chem.), Woodbridge Twp. (Fords), Middlesex Co. | 4/79 |
| Chemical company with waste lagoons and on-site chemical landfill. Monitoring wells drilled around entire facility in 1980. Organic chemicals were detected in shallow aquifer downgradient of lagoons and landfill. Lagoons were dug up and sludge removed by company in 1981. This portion of the facility then sold to Sherwin Williams. Additional monitoring wells installed near landfill 2/81. Investigation continuing. | |
| | Kmr |
| I-63 Nuodex (formerly Tenneco Chemical), Woodbridge Twp. (Fords), Middlesex Co. | 4/79 |
| Chemical plant has numerous tank farms and large surface impoundment area. Monitor wells installed by consultant in 1979 to evaluate the impact on ground water. Sampling of wells confirmed presence of organic chemicals in shallow aquifer. Company changed consultants in 1981. New consultants have installed additional monitoring wells. Investigation continuing. | |
| | Kmr |
| I-64 Republic Wire Co., Woodbridge Twp, Middlesex Co. | 5/79 |
| Low pH pond behind plant, overflowing septic tank and on-site spills. Considerable local publicity. Monitor well locations recommended. Case in litigation and no further geologic input requested. Case closed 1984. | |
| | Trb |

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| I-65 CBS Records, Pitman, Gloucester Co. | 1/79 |
| Plating wastes were discharged into unlined lagoons. Poor housekeeping caused additional problems. Monitor wells show low levels of organics. Sludge excavated and lagoons have been backfilled. Monitoring. | Tch |
| I-66 Calgon, Hawthorne, Passaic Co. | 2/79 |
| Investigation was begun in conjunction with Hawthorne municipal well contamination problem. Analyses showed high concentrations of mercury and some organics in soil. A program was undertaken beginning in 5/79 to do soil borings, install monitor wells, and sample both the soil profile and the aquifers in the overburden and bedrock. Slightly elevated levels of mercury and some organics detected in the ground water. Part of source may be off-site. Monitoring. | Trb |
| I-67 ARC-Cessna Company, Boonton Township, Morris Co. | 5/79 |
| Plating wastes from on-site operations have been discharged for many years into an unlined lagoon. Ground water contamination has resulted and extends to property boundary and a surface water body. Many monitor wells installed and sampling program is on-going. DEP received hydrogeologic report which delineates extent of ground water contamination. Company agreed to decontaminate ground water. Plans proceeding. Investigation continuing. | Qsd |
| I-68 RFL Inc., Boonton Township, Morris Co. | 5/79 |
| Unlined lagoon received plating waste discharges for many years. In 1981, company discontinued plating waste discharges. Monitor wells installed in 1980 and sampling program shows ground water contamination, chiefly volatile organics. Nearest potable well sampled and contamination not detected. Company plans to apply for NJPDES permit. Additional well(s) will be required. Stream crossing property sampled by company. Organics (ppb range) detected. Lagoon closure will begin shortly for the removal of source of contamination. Monitoring. | Qsd |
| I-69 Colloid Chemical, Hanover, Morris Co. | 11/79 |
| Phenol in cooling water discharge seeping into Whippany River as a result of poor housekeeping and surface spillage. Shallow monitor wells installed and sampled in 1981. Contamination not detected. Abandoned on-site deep well sampled. Water quality adequate. Deep well sealed in 1982. Administrative order issued in 1982 for surface problems and spill prevention lagoon. Case closed 1/83. | Qsd |

I-70 Harvest Pickle Co., Buena Vista Twp. (East Vineland),
Atlantic Co. 11/79

A complaint from a neighbor that the company had been dumping pickle brine on the ground led to the discovery that six domestic wells were contaminated with chlorides and sodium. Three monitor wells installed 7/80. A concrete collection pad and a holding tank have been installed. Improved housekeeping and a change from wooden to plastic pickle barrels has helped limit brine spills. Ground water quality is improving. The company will continue to monitor the ground water. Case closed 1/82.

Qbt/Tch

I-71 IBM, South Brunswick (Dayton), Middlesex Co. 12/77

1,1,1 - trichloroethane was discovered by chance in S. Brunswick municipal well No. 11 (one of three) in 12/77. A comprehensive investigation involving consultants, the Township and DEP was needed to pinpoint the responsible sources. A consent agreement was signed with IBM in 5/80; since amended in 2/84. Nearly 100 monitor wells have been installed by IBM; and a successful decontamination program has been operating since mid-1978. The upper aquifer has been largely cleaned up and this system will be shut down in spring, 1984. The lower aquifer program involves pumping No. 11 to waste but a treatment system for this water will be built in late 1984. Mideast Aluminum cleanup [I-144] is nearby. Decontamination continuing.

Kmr

I-72 BP, Paulsboro, Gloucester Co. 6/79

Site contaminated with various petroleum products. Monitor wells have been installed and sampled to determine extent and composition of the various petroleum products at the site. Results show oil floating on the water table and the ground water polluted with organics. Investigation continuing.

Kmr

I-73 Paulsboro Packaging (Winner Chemical), Paulsboro,
Gloucester Co. 8/79

Various oils are handled at the site. The ground water is contaminated from an unlined lagoon and tank farm. Monitor wells were installed and sampled, showing organic pollution. Liquids were removed from the lagoon and tank farm, the tank farm was lined, and an impermeable cap installed over the closed lagoon. Three recovery wells installed. Contaminated ground water is removed for off-site disposal. Recovery continuing.

Kmr

I-74 Homasote Co., Ewing Township, Mercer Co. 7/79

The company has an unlined wastewater lagoon. One monitor well was installed to determine possible ground water pollution. Sample results showed no ground water pollution. Case closed 1980.

Trs

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| I-75 Texaco, Westville, Gloucester Co. | 10/79 |
| <p>There are two unlined separator sludge lagoons on this tank farm along with a number of underground lines. All tanks are on pervious material. Twenty-two monitor wells were installed. Results showed organic and oil/grease contamination in the ground water at several locations. Enforcement case closed 4/84. Transferred to BGWDP.</p> | Kmr |
| I-76 Inland Chemical, Newark, Essex Co. | 12/79 |
| <p>Inland recovers various organic chemicals. Inspections revealed poor housekeeping and possible ground water pollution from drum spills and tank farm and line leaks. Five monitor wells were installed and sampled, documenting severe organic pollution of the ground water. Nine additional wells were installed. Pump test run to determine aquifer characteristics and to design a decontamination program. Investigation continuing.</p> | Trb |
| I-77 Landis Sewerage Authority, Vineland, Cumberland Co. | 11/79 |
| <p>Authority has 40 acres of unlined settling ponds for dewatering of sewage sludge. Six monitor wells were installed and sampled. Low levels of contamination were found. Case closed 1/83.</p> | Tch |
| I-78 Monitor Devices, Wall, Monmouth Co. | 3/80 |
| <p>Untreated wastewater from the company's plating business was discharged onto the ground for three years. Three monitor wells were installed to determine extent and nature of ground water pollution. Analyses showed heavy metals and organic contamination. Investigation continuing.</p> | Tch |
| I-79 Comtron, Inc., Manalapan, Monmouth Co. | 6/79 |
| <p>Company cleans copper, aluminum, brass pipes and plates metals. Discharged untreated wastewater onto the ground for 15 years. Three monitor wells were installed, and sampled. Low levels of contamination were detected. Continuous monitoring for more than a year showed a gradual decrease in concentrations. Case closed 3/82.</p> | Kns |
| I-80 Elastomers Ltd., Keyport, Monmouth Co. | 3/80 |
| <p>Latex from plant's wastewater discharge has been dropped on the ground adjacent to a "percolation" lagoon. The company removed the latex and designed a new treatment system. Latex is no longer dumped on the ground. Case closed 8/81.</p> | Kwb |

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| <p>I-81 Airtron, Morris Plains, Morris Co. Company discharged plating wastes to unlined lagoons. Sludge found to contain high levels of trichloroethylene. Sludge has been removed and lagoons backfilled. Buried Valley aquifer to be affected on greater than local scale. Company now investigating decontamination options. Spread of contaminants possibly being controlled by nearby pumping of industrial wells. Investigation continuing.</p> | 77 | Qtm/Qsd |
| <p>I-82 Albert Steel and Drum, Newark, Essex Co. Abandoned drum reclamation site. Drums containing chemical waste laboratory packs and mercury packs found at the surface and buried throughout the site. The Newark Housing Authority now owns the property and, as part of an agreement with DEP, has set aside \$200,000 for site investigation and clean-up. Investigation continuing.</p> | 10/80 | Qsd/Trb |
| <p>I-83 Troy Chemical, Newark, Essex Co. Soil samples taken at this site show contamination by mercury and organic chemicals. In the past, the company had very poor housekeeping at their drum storage and mercury processing areas. These problems have since been corrected. Monitor wells have been installed and sampled once. Results are inconclusive. Investigation continuing.</p> | 80 | Qsd/Trb |
| <p>I-84 Dupont, Fabric Division, Sayreville Boro (Parlin), Middlesex Co. Investigation of abandoned waste disposal lagoons and on-site landfill. Monitor wells have been installed to evaluate threat to ground water. Sample analyses indicate low level contamination by organic chemicals. The landfill wells must be redeveloped or deepened to obtain representative samples. Deep monitor to clay did not detect acetone. No further investigation needed. Case closed 1984.</p> | 79 | Kmr |
| <p>I-85 Hatco Chemical, Woodbridge Twp. (Fords), Middlesex Co. Company has two known abandoned waste lagoons. Others have been filled in and covered over (sludge never removed). Soil sampling by DEP in 7/81 confirmed presence of phthalates and other chemical sludges in soil. An administrative order requiring monitoring wells has been sent to the company. They have requested a hearing on the matter. An agreement was reached without a hearing and monitor wells have been installed. Investigation continuing.</p> | 79 | Kmr |

I-86 Abex, Mahwah, Bergen Co.

79

Disposal of wash water into unlined lagoons. Discharge contains silica from iron molding process and high iron. Sampling of discharge into the lagoons and monitor well adjacent to the south lagoon indicate no problem exists. Company will be required as part of their ground water discharge permit to monitor the well adjacent to the south lagoon and the discharge into the north lagoon on a quarterly basis. Case closed 1980.

Qsd

I-87 Ford, Mahwah, Bergen Co.

2/79

Disposal of sludges into unlined lagoons and other industrial operations has led to contamination of ground water beneath the site by volatile organics. The sludges have been removed and a consent agreement signed in 1981. Ford is undertaking additional investigations to identify the exact source of the contamination and the measures which are necessary to clean up the ground water. No off-site migration of contaminants has been identified. Investigation continuing.

Qsd

I-88 Pioneer Metals, Franklin Twp. (Franklinville), Gloucester Co.

6/75

A closed system for process waste water has been installed eliminating discharge to the environment (except for non-contact cooling water). Two process wells converted to monitor wells. Monitoring and investigation continuing.

Qbt/Tch

I-89 Ciba-Geigy (formerly TRC), Dover Twp. (Toms River), Ocean Co.

72

Ground water contaminated from several on-site lagoons and landfills. Organic chemicals and PCB related compounds have been detected in several observation wells. Polluted ground water has migrated off-site and at least one irrigation well is contaminated. Ciba-Geigy's consultant has performed several geophysical investigations and additional monitor wells have been installed. Superfund listed. Investigation continuing.

Tch

I-90 New Jersey Natural Gas, Dover, Morris County

4/81

Site was formerly used to manufacture illuminating gas from coal. Hydrogeologic studies (1982-84) show that the site's soils and ground water are contaminated by coal gasification wastes. Ground water contamination extends offsite. DEP is awaiting remedial action plan prepared by company's consultant. Investigation continuing.

Qsd

I-91 Hummell Chemical Co., South Plainfield, Middlesex Co.

4/80

Chemical plant processing large number of elements and organics. Threat of ground water contamination from spills and housekeeping. Court hearing held in 5/80. Monitor wells were installed 5/81. Samples show low-level contamination. Monitoring.

Qsd/Trb

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| I-92 Ortho Chemicals, South Plainfield, Middlesex Co. | 6/80 |
| <p>Poor housekeeping and backyard disposal of pesticides has contaminated soils and, to a limited extent, ground water. Company's consultant reports up to five percent pesticides in soil. Monitoring wells have been installed. Investigation continuing.</p> | Qsd/Trb |
| I-93 Kearney Industries, Piscataway, Middlesex Co. | 4/80 |
| <p>Wastewater containing phenols discharged to land surface and to septic system. Monitor wells ordered by DEP to investigate threat to ground water. Company asked for hearing. Administrative law judge decided in favor of the state. Monitor wells installed fall, 1981. Sample analyses showed no contamination had occurred. Case closed 7/82.</p> | Trb |
| I-94 Monsanto, Logan Twp., Gloucester Co. | 3/80 |
| <p>Several landfills, lagoons and spillages have caused soil and ground water contamination. Closed landfills have the greatest potential for being a serious problem. High volume pumping schedule seems to control ground water flow locally. Intensive well sampling scheduled. Area #1 has been contained by slurry wall and is undergoing remedial action. Further investigations being performed on areas 2 & 3. Investigation continuing.</p> | Qal/Kmr |
| I-95 Sel-Rex, Nutley, Essex Co. | 4/80 |
| <p>Precious metal (Au, Ag etc.) reclamation and processing operation. Site is near Passaic River. DEP requested monitor wells and a consultant in 6/80. Monitor wells were installed, and sampling showed low-level metal contamination. Monitoring.</p> | Qsd/Trb |
| I-96 Amerchol Corporation, Edison Twp., Middlesex Co. | 10/79 |
| <p>Suspected ground water contamination from unlined waste lagoons containing high concentrations of organic solvents. Three monitor wells were installed in 1980. Sampling in early 1981 showed low-level organic contamination. Additional sampling inconclusive as to pinpointing the source. Lagoon is now undergoing closure. Case closed 1983.</p> | Trb |
| I-97 Okonite Cable Company, North Brunswick Twp., Middlesex Co. | 6/80 |
| <p>Suspected ground water contamination from waste lagoon and oily spillages. Lagoon found to be concrete lined, spillages minor. Company removed oil and contaminated soil. Upgrading piping system to prevent future oily discharge. Case closed 1982.</p> | Kmr/Trb |

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| I-98 | <p>Nascolite, Millville, Cumberland Co.</p> <p>The company was cited for the discharge of organic compounds in their wastewater discharges into an unlined ditch. Monitor wells were installed and the ground water was sampled. Analyses show contamination with organic chemicals. A cooperative agreement has been signed between EPA and DEP and site is now Superfund listed. A remedial investigation/feasibility study will begin in the near future. Investigation continuing.</p> | <p>1/80</p> <p>Tch</p> |
| I-99 | <p>Electronic Parts Speciality Co., Lumberton Twp., Burlington Co.</p> <p>Wastewater from the plant's electroplating operations was discharged to a percolation basin. Three monitor wells were installed and low level Cr, Cd, and volatile organic chemical contamination was found. Facility is being upgraded. The discharge is now diverted to the sewer system. Contaminated soil has been removed. Investigation continuing.</p> | <p>4/81</p> <p>Kmw</p> |
| I-100 | <p>Scholler Bros., Hamilton Twp., Atlantic Co.</p> <p>Company has two unlined lagoons containing organic chemicals. Chemical spillages are evident in many areas of the site. Monitoring wells installed in 1978 and 1980. Sample analyses showed insignificant concentrations of organics but very high iron in water table aquifer. Company will set up monitoring program for iron problem and is in the process of removing the two waste lagoons. Case closed 2/82.</p> | <p>3/78</p> <p>Tch</p> |
| I-101 | <p>Essex Chemical, Paulsboro, Gloucester Co.</p> <p>Company has a 12-acre, 25-foot high waste gypsum pile. Three monitor wells indicate ground water contamination. A perimeter dike is to be installed to channel surface runoff to a treatment plant, then to Mantua Creek. Case closed 4/80.</p> | <p>10/77</p> <p>Kmr</p> |
| I-102 | <p>W.A. Cleary & Co., Franklin Twp., Somerset Co.</p> <p>Company has one unlined lagoon containing pesticides, herbicides and tree dye wastes. Wells on property and private wells in area sampled 5/81 and during summer, 1982. In 3/83 seven monitor wells were installed and sampled. The sampling results showed that ground water is contaminated with As, Cr, Cd and volatile organics. The company plans to alter its processing procedures thereby eliminating the lagoon. DEP will be issuing a permit for the lagoon closure and is having the company address ground water and soil contamination. Investigation continuing.</p> | <p>12/80</p> <p>Trb</p> |

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| I-103 | <p>Spencer-Kellogg, Edgewater, Bergen Co.</p> <p>Company manufactures vegetable oil products. The plant is located along Hudson River. Oil was detected seeping into the river from beneath a bulkhead. Monitoring wells were installed and sampled. Majority of the oil on the water table was found to be petroleum based. Source suspected to be from the adjacent property and from fill material used to build the site many decades ago. Spencer-Kellogg is maintaining a boom to catch any oil seeping to the river and has ceased operations at this plant. Currently trying to sell property. Case closed 2/82.</p> | 2/80 | Rf |
| I-104 | <p>Bel-Ray Co., Wall Twp., Monmouth Co.</p> <p>Company produces lubricants. Cooling water, floor washdown wastewater, and surface runoff flow to an unlined lagoon. Recommended installation of four monitor wells around lagoon to determine whether there is any leakage. High levels of PCBs found. Investigation closed in 1/81 and now reopened. Investigation continuing.</p> | 6/80 | Tkw |
| I-105 | <p>Lectro Products, Manalapan, Monmouth Co.</p> <p>Sheet metal company discharged untreated wastewater onto ground behind plant for 22 years. Three monitor wells were installed and sampled. No contamination was found. Wells were sealed. Case closed 11/83.</p> | 11/80 | Kmw |
| I-106 | <p>Lilly Industrial Coating, Paulsboro, Gloucester Co.</p> <p>Organic chemical spills from tank storage farm and truck loading/unloading area. Nearby private shallow wells were contaminated, and subsequently replaced by deeper wells. Organic leachate is seeping into nearby Mantua Creek. Three monitor wells were installed and sampled, showing high levels of organics. Investigation continuing.</p> | 2/81 | Ket |
| I-107 | <p>Chemical Leaman Tank Lines, Logan Twp., Gloucester Co.</p> <p>Complaints from several residents led to investigation of CLTL, a tank truck cleaning and storage facility. Cleaning wastes, now collected for off-site disposal, were discharged to unlined lagoons from 1960's until 1977. Poor housekeeping also is a problem. Company's consultant reports that the upper 100 feet of aquifer is severely contaminated with organics and, to a lesser extent, metals. Lagoons have been closed and most of the sludge removed. Decontamination system being designed. Superfund listed. Investigation continuing.</p> | 11/80 | Qcm/Kmr |

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| I-108 | Blue Spruce, Bound Brook, Somerset Co. Poor housekeeping at this pesticide blending facility has contaminated soil and ground water. Funds have been collected for further investigation and clean up. Dioxin on site prevents further studies and remedial action. Investigation continuing. | 10/80 Qsd/Trb |
| I-109 | American Cyanamid, Woodbridge, Middlesex Co., Leaking lagoon. Received sludge high in nitrogen and some wax. Surrounding fill very impermeable. Below fill are tidal marsh (decomposing vegetation) and clay-sand. No significant contamination. Case closed 9/81. | 8/80 Trb |
| I-110 | Dowell Industrial Service, Hainesport, Burlington Co., Dowell discharges waste water from its condenser, boiler and tank cleaning operation to a lagoon. In 2/82 three monitoring wells were installed and sampled. Subsequent sampling (8/17/83, 8/31/83, 9/14/83) has confirmed that the ground water is contaminated with metals, chlorides and volatile organics. Dowell no longer discharges to the lagoon but has not closed the lagoon. DEP will be issuing a permit for the lagoon closure that will address ground water contamination. Investigation continuing. | 6/81 Kmw |
| I-111 | Struthers-Dunn, Mantua, Gloucester Co. Plating waste was discharged to unlined lagoon. Monitor wells had shown objectionable levels of CN, Cr, and phenols. Recent analyses have shown problem has subsided. Periodic monitoring required for two more years. Case closed 1981. | 11/79 Tch |
| I-112 | AMF-Maarck, South Brunswick, Middlesex Co. Company discharged wastes containing trichloroethane and methylene chloride to septic system. Production well was contaminated with 120 ppb of trichloroethane. Monitor wells show lower levels of these organics after a period of monitoring. Case closed 1982. | 11/80 Ops/Trs |
| I-113 | Aerosystems Technology, Franklin, Sussex Co. New plant on old Cellate property operated by owner of Metaltec Corp. Cooling water discharge contains phenols and organics. Springs on property show TCE. Superfund candidate (see I-6). Investigation continuing. | 2/81 Qt/fl |
| I-114 | Sutton Well, Clinton Twp., Hunterdon Co. 4450 ppm Cl found in Sutton well. Source is a nearby highway department salt stockpile which was left uncovered for several years. Resistivity survey delineated source and plume. County has provided or will provide water to homes from High Bridge Water Co. Monitoring other nearby wells. Monitoring | 7/80 Qal/PC |

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| I-115 | <p>Allyn Manufacturing, Manchester Twp. (Whiting), Ocean Co.</p> <p>Company dyes and paints dried plants for store displays. Discharged dye containing methylene chloride to an unlined seepage ditch. Painting done on unprotected ground. Wells on property (1980) are clean. Three monitor wells installed in the fall, 1981. Additional monitoring wells may be needed for better definition. Investigation continuing.</p> | 10/80 | Tch |
| I-116 | <p>Conrail Pavonia, Camden City, Camden Co.</p> <p>Past fuel oil spill caused by overfilling of tank in an unlined diked tank farm, resulting in thousands of gallons lost. The tank farm is now cement lined. Oil soaked ground is present on other portions of the site. Ten monitor wells were installed in 7/80. All had measurable product (up to six feet in one well). A recovery well was installed during winter, 1980, but has never functioned adequately. Five additional wells were drilled in 3/82. Investigation continuing.</p> | 7/80 | Qcm/Kmr |
| I-117 | <p>Metallurgical Industries, Boro. of Tinton Falls, Monmouth Co.</p> <p>Company discharged untreated wastewater ("neutralized" acids) behind its plant from 1967 until 1981, when the discharge was stopped. Requested installation of three monitor wells. Analyses of the wells indicated metal contamination of the ground water. Several acres of contaminated soil were removed. Case closed 4/83.</p> | 3/81 | Tvt |
| I-118 | <p>Laplace Chemical/Grant Chemical, Elmwood Park., Bergen Co.</p> <p>Laplace and Grant Chemical both have had serious housekeeping problems. Predecessor to Grant purportedly discharged chemical waste onto ground. Shallow soil samples from Laplace showed the presence of volatile organics. Monitor wells were installed and sampled at Laplace in 1/84. One local domestic well has been found to be contaminated. Some Garfield municipal wells located in Elmwood Park show low levels of organics. Investigation continuing.</p> | 11/80 | Trb |
| I-119 | <p>Engineering Labs., Oakland, Bergen Co.</p> <p>Plastics grinding firm discharges plastic waste and cooling water to unlined lagoons. Site located along Ramapo Border Fault which is "open" in this area. Sampling shows organics and high COD in ground water. Company required to file for appropriate permits. Investigation continuing.</p> | 11/80 | Qsd/Trb |
| I-120 | <p>Princeton Polychrome Press, West Windsor, Mercer Co.</p> <p>Chemical spillage and an unlined wastewater lagoon on-site. Local private wells and the lagoon water have been sampled and found clean. The lagoon has been closed. Case closed 1982.</p> | 2/81 | Ops/Trs |

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| I-121 | <p>Diamond Shamrock, Kearny, Hudson Co.</p> <p>Former chrome chemical production facility was located on the Hackensack River. Smelting wastes, chrome ore and chemical waste dumped on-site and probably used as fill and aggregate at other sites. Ground water contaminated with chromium and organics. Awaiting company's recommendations for site rehabilitation. Investigation continuing.</p> | 12/80 | Qsd/Trb |
| I-122 | <p>Conrail-Meadows Yard, Kearny, Hudson Co.</p> <p>Poor housekeeping and long-term spillage of diesel fuel have led to severe contamination of the shallow ground water. NJ Transit is considering purchasing the site and has hired a consultant to complete a ground water study. Monitor wells indicate pure fuel floating on the ground water. DEP has recommended that a recovery system be installed. Investigation continuing.</p> | 3/81 | Rf/meadow mat |
| I-123 | <p>Bell Labs, Hanover Twp., Morris Co.</p> <p>Facility utilized sand filter and sludge drying beds which received high concentrations of organics and metals. Monitor wells were installed to determine the impact of the beds on ground water. Wells indicated several sources of contamination. A leaking gasoline tank and an unlined salt pile have been removed. No evidence of contamination from the beds has been found. The source of contamination of a previously clean well is unknown. This is the focus of present study. Investigation continuing.</p> | 2/81 | Qsd/Trb |
| I-124 | <p>Simmons Olds Stateline Toyota, Ramsey, Bergen Co.</p> <p>Illegal discharge of waste oil, transmission fluid, mineral spirits and solvents to unlined seepage pits led DEP to suspect possible ground water contamination. The seepage pits and surrounding contaminated soil have been excavated and disposed of properly. Monitor wells have been installed which show very low levels of volatile organics. Monitoring.</p> | 5/81 | Qsd/Trb |
| I-125 | <p>Picattiny Arsenal, Rockaway Township, Morris Co.</p> <p>Ground water conditions at site are under investigation by federal scientists (USGS and U.S. Army). Ground water contamination found near lagoons and landfills. Lagoons closed and repairs made to prevent further contamination. Investigation continuing.</p> | 12/80 | Qsd/COK |
| I-126 | <p>Radiation Technology, Rockaway Twp., Morris Co.</p> <p>Industry finished wood products using cobalt radiation to bind a plastic, protective coating. Organic chemicals detected in potable/process wells. Shallow test pits were sampled and contaminants found. Monitor wells drilled late 1983 and sampling program underway under consent order of 7/83. Investigation continuing.</p> | 4/81 | PC |

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| I-127 | Middlesex Sampling Center, Middlesex, Middlesex Co. Federal investigating facility previously used as a uranium sampling center for Manhattan project. Now used for storage of low level radioactive material. Federal monitoring of ground water. Investigation and monitoring continuing. | 6/80 Trb |
| I-128 | Mobil Testing Farm, Hopewell Twp., Mercer Co. Facility tests herbicides. Monitor wells and water quality monitoring system in operation. Rutgers University sampled and analyzed water quality of both surface and ground water. No degradation from herbicide testing found. Case closed 1982. | 3/80 Trb |
| I-129 | Imperial Oil, Marlboro Twp. (Morganville), Monmouth Co. Industrial usage of site for some 100 years. Presently, Imperial Oil blends lubricating oils with viscosity increasing agents. Administrative consent agreement developed in 1982; company agreed to assess extent of soil, surface, and ground water contamination. Assessment investigation scheduled for late 1984. Superfund listed. Investigation continuing. | 5/81 Ket |
| I-130 | Cosden Oil & Chemical Company, Washington Twp., Mercer Co. Facility manufactures plastic monomers. Five monitor wells were installed and sampling revealed organic contaminants in the ground water. Investigation continuing. | 5/81 Kmv |
| I-131 | Public Service Elec. & Gas Co., Mercer Generating Station, Mercer Co. Rain and runoff percolating through a coal stockpile is elevating the TDS and SO ₄ levels in the ground water flowing below the pile. Levels exceed ground water standards. PSE&G claims that the Delaware is not affected hence there is no problem. Ground water monitoring is being used to create a data base so that appropriate action (lining the stockpile) can be taken. Permitting process underway. Case closed 1982. | 5/81 Kmr |
| I-132 | Linden Chlorine, Linden, Union Co. Mercury-brine sludge is possible source of ground water contamination. Sludge is being dumped into unlined lagoon. Consultant has been hired to install wells and investigate problem. Wells installed in summer, 1981. Case inactive. | 80 Trb |

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| I-133 | <p>Revlon Co., Edison, Middlesex Co.</p> <p>Organic chemicals (200 ppb) in a nearby production well led to investigation of this site. Samples from a seepage pit indicated numerous organic chemicals in high concentrations. Three monitor wells installed 4/82. Ground water found to be heavily contaminated with organic chemicals. Consultant has been hired. A recovery system has been approved (4/84) and will be constructed (5/84). Pumping will continue until the 100 ppb total volatile organic carbon guideline is reached. Investigation continuing.</p> | 8/80 | Trb |
| I-134 | <p>Tang Realty (Formerly Chem-Sol), Piscataway, Middlesex Co.</p> <p>Site was a former chemical plant with severe soil and ground water contamination. Monitor wells were drilled into the upper part of the bedrock aquifer in late 1980. Prolonged negotiations were necessary before a consent agreement was signed in 7/83. A 314-foot hole was cored and packer tests performed. The abandoned production well was sealed. Additional drilling is necessary to delineate contaminated area. Concurrently, an administrative hearing is scheduled for 5/84 regarding decontamination standards. Decontamination is being required by DEP. Investigation continuing.</p> | 2/80 | Trb |
| I-135 | <p>Solvents Recovery Service, Linden, Union Co.</p> <p>Ground water contamination due to very poor housekeeping and spillage of organics in unlined tank farms. Nine monitor wells have been installed and sampled and document gross ground water contamination. Currently, the company is pumping the most highly contaminated well and treating its discharge (approximately 1 gpm). The company and DEP have signed an administrative consent order (10/83) addressing ground water cleanup and soil sampling. Based on the results of soil sampling analysis DEP wants the company to address soil removal prior to any on-site construction. Investigation continuing.</p> | 8/80 | Qsd/Trb |
| I-136 | <p>CP Chemicals, Inc., Woodbridge Twp. (Sewaren), Middlesex Co.</p> <p>Ground water contamination caused by discharge into unlined lagoons and dumping throughout site. Constituents include Cn, As, Cu, Zn and Pb. Consent order signed in early 1981 calling for subsurface investigation. Monitoring wells were installed and sampled. Analysis confirm contamination of water table aquifer. Company has installed a 1000 foot hyplan lined gravel intercept trench to enhance decontamination. Additional work will be done on the trench in order to increase its efficiency. Investigation and decontamination continuing.</p> | 7/80 | Rf/organic silt/ Qsd |

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| I-137 | Koppers, Kearny, Hudson Co. Company left large amount of tar-like residue on the premises. Hydrocarbons have been observed leaching into the Hackensack River. Investigation continuing. | 9/80 Qgu/Trb |
| I-138 | Denzer and Schaeffer, Berkeley Twp. (Bayville), Ocean Co. Silver reclaiming operation discharged caustic solution onto the ground. Several acres of vegetation destroyed. Monitor wells show ground water to have a pH of 10.0 to 12.0, along with high levels of ammonia, sodium, and dissolved solids. Company has hired consultant to investigate decontamination options. Superfund listed. Investigation continuing. | 9/80 Qcm/Tch |
| I-139 | Fasco, Phillipsburg, Warren Co. Metal plating company allowed a solution containing high concentrations of Zn, tin, and Cd to percolate into permeable sand and gravels. 5/81 drilled 45' boring; no water. Soil samples show elevated levels of Cn to 10 feet. Area to be paved. Case closed 6/81. | 10/80 Qsd |
| 1-140 | U.O.P., Johnson, East Rutherford, Bergen Co. Monitor wells show organic chemical contamination beneath site. Shallow water table is affected and discharges into a tidal stream. Administrative order presented to company 8/82 which requires assessment of the extent of the problem and remedy, if necessary. Company requested a hearing 9/82. Superfund listed 12/82. Consultants investigation completed and a report is being prepared. Investigation continuing. | 1/80 Ru/Qsd/Trb |
| 1-141 | Johanson Mfg. Co., Boonton Twp., Morris Co. Unlined lagoon receives treated wastes from electronics plant. Monitor well sampled several times and contamination found emanating from lagoon. Administrative order issued 6/82 requiring company to assess extent of contamination. Additional monitor wells have been installed. Investigation continuing. | 8/80 Qsd |
| 1-142 | BFI, Oldmans Twp. (Pedricktown), Salem Co. Industrial cleaning facility maintained a waste lagoon. Sloppy housekeeping characterizes the site. The waste lagoon (inactive) had the greatest impact on the ground water quality. Contaminants include organic solvents, metals, and to a lesser extent several inorganics. An administrative consent order has been issued requiring the company to initiate the ground water monitoring program. Monitoring. | 10/80 Qcm/Kmr |
| I-143 | Conrail Facility, Raritan Boro, Somerset Co. Unlicensed landfills and storage of old solvent drums has alerted DEP to the possibility of a potential ground water problem. Conrail has not yet provided funds for investigation. Case inactive. | 3/81 Trb |

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| I-144 | <p>Mideast Aluminum, South Brunswick (Dayton), Middlesex Co.</p> <p>Mideast is an aluminum fabricator which had unlined lagoons and some housekeeping problems. Monitor wells installed by the company confirmed the presence of 1,1,1-trichloroethane beneath and down-gradient of the site. An air stripping system using seven pumping wells, cooling towers and lagoon/spray irrigation recharge of effluent was approved in 4/80. The organic plume has decreased in both size and absolute concentration and is now confined to beneath the site. The system may reach shutdown concentrations in 1984-85. Decontamination continuing.</p> | 6/78 | Krob/Krfs |
| I-145 | <p>Marisol Inc., Middlesex Boro, Middlesex Co.</p> <p>Company reclaims and reprocesses spent solvents. High levels of organics detected in production well. Monitoring wells installed and sample analyses confirm presence of organics beneath site. Plume appears to be restricted to site due to pumping of production well. Company currently decontaminating by pumping production well, using water for cooling and then discharging to the sewer. Decontamination continuing.</p> | 1/79 | Trb |
| I-146 | <p>Reagent Chemical, Middlesex Boro, Middlesex Co.</p> <p>Reagent is the third owner of this industrial site. Source of suspected ground water contamination is hazardous waste buried on-site by Rhone-Poulenc (former owner). Soil borings have located disposal area and confirmed extreme soil contamination. Four monitor wells installed in early 1981 document ground water contamination by arsenic. Rhone-Poulenc was unwilling to study the site until the case was referred to the Attorney General's office in 1982. The company then agreed to install additional monitor wells. Remedial action will follow enforced by permit regulations. Investigation continuing.</p> | 5/79 | Trb |
| I-147 | <p>Inmont Chemical, Middlesex Boro, Middlesex Co.</p> <p>Site inspections reveal housekeeping problems. Meetings held in 1979-80 to discuss deficiencies and ground water evaluation program. Monitor wells installed in early 1981 showed alcohols and organic chemicals. A decontamination well is pumping 1,000 gpd to the sanitary sewer. Decontamination continuing.</p> | 79 | Trb |
| I-148 | <p>Air Products, Middlesex Boro, Middlesex Co.</p> <p>Discharge of lab waste to septic tank. Evidence of spillages. Improvised decontamination for organic seepage. Terminated in early 1981. Soil borings and analyses confirmed organics in the overburden. Low-level seepage to nearby creek. Affected area capped with clay and presence of the cap made part of deed to property. Case closed 9/82.</p> | 5/79 | Trb |

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| I-149 | <p>Inmont Chemical, Lodi, Bergen Co.</p> <p>DEP notified by the company of below-ground storage tank failure. Monitor wells have been installed and found pure toluene floating on the water table and volatile organics in the bedrock aquifer. Over 2000 gallons of the toluene have been recovered. Additional data gathering and recovery in progress. Investigation continuing.</p> | 4/81 Trb |
| I-150 | <p>Stauffer Chemical, Edison, Middlesex Co.</p> <p>This company handles and stores a wide variety of organic chemicals. Poor housekeeping in the past has severely contaminated the ground water. An interceptor decontamination trench system installed winter, 81-82. Four additional bedrock monitoring wells installed. Data being reviewed. Investigation continuing.</p> | 79 Trb |
| I-151 | <p>Parker Andrews Ind., South Brunswick, Middlesex Co.</p> <p>One of three possible sources (I-144, and I-71) investigated as part of South Brunswick Well No. 11 problem. Four monitor wells installed. Some organics found in ground water. Water levels and subsequent report show migration away from Well No. 11. Periodic monitoring requested. In-plant changes made to improve housekeeping. Case closed 1983.</p> | 1/78 Kmr |
| I-152 | <p>Norda, Boonton, Morris Co.</p> <p>This site is an old flavor and fragrance plant with below-ground storage and septic tanks. Chemical seepage at nearby Lake Intervale brought DEP to the site. Consultants report submitted 4/81. Based on subsequent work in the area Norda has agreed to install four monitor wells in spring, 1984. Investigation continuing.</p> | 6/81 Qsd |
| I-153 | <p>Taylor Forge, Branchburg Twp., Somerset Co.</p> <p>Metal processing company found to have unlined lagoons containing TCE waste. The company production well and private wells have been contaminated with TCE. The lagoons have been removed and recovery by pumping 86,000 gpd to sanitary sewer line is presently occurring. Water levels in nearby private wells are under study to confirm pumping effectiveness. A second local source of TCE is a possibility and may require decontamination in the near future. Investigation continuing and decontamination efforts continuing.</p> | 12/78 Trb |
| I-154 | <p>Allied Chemical, Metuchen, Middlesex Co.</p> <p>Cooling water discharge to dry well. Monitor wells and consultants report show some ground water contamination. Company is applying for treatment works approval and tie-in to sewer. Monitoring.</p> | 77 Kmr/Trb |

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| I-155 | Vineland Foods, Pittsgrove Twp. (Norma), Salem Co. Chicken processing plant with spray irrigation of waste-water. Several consultants reports prepared and monitor wells installed. Treatment works approval near completion for continued spray, with sampling and monitoring program. Monitoring permit is being issued. Case closed 1982. | 75 Tch |
| I-156 | Hunt Wesson, Bridgeton, Cumberland Co. Vegetable processing plant with spray irrigation of effluent. Long-term spray site with some impact on ground water. Consultants reports and monitor wells provided. Hunt Wesson ceased operation in 10/82. Case closed 1982. | 9/76 Tch |
| I-157 | United Poultry, Vineland, Cumberland Co. Chicken processing plant with spray irrigation of effluent. Several reports and phases of drilling for subsurface evaluation. Dissolved air floatation equipment installed for upgraded treatment; sewer line to be constructed for reduced effluent loadings as per administrative consent order. Applying for NJPDES permit. Monitoring. | 3/77 Tch |
| I-158 | Marotta Scientific Controls, Montville Twp., Morris Co. Detection of organic chemicals in a municipal water tunnel led the DEP to investigate this site as one of several suspected sources. Deep production wells are heavily contaminated with organic chemicals. Deep and shallow monitor wells revealed extensive ground water contamination. Six domestic wells are contaminated and have had carbon filters installed. An extensive domestic well sampling project has begun. Additional monitor wells are being installed and investigation of municipal water tunnel is continuing. Remedial alternatives will be presented by the consultant in the near future. Investigation continuing. | 4/82 gn |
| I-159 | A-Z Chemical Resource Recovery, New Brunswick, Middlesex Co. This facility was originally opened as a liquid waste recovery operation but instead was used to store several thousand barrels of toxic waste. In 1979 the state was given control of the site when the owners failed to comply with a court order to clean the site. DEP completed work in early 1982 and four monitor wells were installed. No significant ground water contamination was detected. Case closed 3/82. | 78 Trb |
| I-160 | Western Electric, Hopewell Twp., Mercer Co. Two of the facility's three 400 foot production wells were found to contain significant concentrations of 1,1,1 trichloroethane. One well was closed by the DEP because concentrations were above potable water standards. A consultant has been hired to perform a ground water study. Investigation continuing. | 3/81 Trb |

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| I-161 | Penick Corporation, Montville, Morris Co. On-site disposal of botanical and chemical waste in a lagoon and landfill has resulted in ground water contamination. Penick ceased operations at the site in 1978 and a ground water study was conducted by a consultant in 1979. Some waste material was removed at that time. Additional overburden and bedrock monitor wells were installed in 5/82. Case inactive. | 79 |
| | | Ogu/Trb |
| I-162 | Royal Lubricants, East Hanover, Morris Co. Unlined lagoon found to contain organic chemicals. May be contaminating the ground water. Septic tanks contained oil products during a recent inspection. Monitor wells have been installed. Investigation continuing. | 10/81 |
| | | Qsd/Trb |
| I-163 | Dorine Industrial Park, East Hanover, Morris Co. A household well in which water had turned green and had chemical taste from fluorescein dye, benzene, 1,1 dichloroethane led DEP to investigate this industrial park. Several septic systems were sampled and found to contain organic chemicals. DEP has ordered that the septic systems be cleaned out. Monitor wells have been installed. The homeowner is now tied into municipal water. Investigation continuing. | 7/81 |
| | | Qsd/Trb |
| I-164 | Conrail-Elizabethport, Elizabeth, Union Co. Poor housekeeping practices over several decades have heavily contaminated the ground water with fuel oil. Areas of concern include fueling and chemical transfer areas. Conrail has removed spilled chemicals and installed several monitor wells. Investigation continuing. | 11/81 |
| | | Qsd/Trb |
| I-165 | Wheaton Plastics, Lakewood, Ocean Co. Company discharged hydraulic fluid to an in-ground holding tank. When filled, contents were pumped onto ground on the site. Tank ordered emptied and hearing was required to get monitor wells installed. Monitor wells were drilled in 4/83 and sampled. Site adjacent to I-29. Investigation continuing. | 7/81 |
| | | Tch |
| I-166 | Lodi Municipal Well Contamination, Lodi, Bergen Co. At least ten municipal wells have elevated concentrations of organic chemicals such as trichloroethylene and 1,2 dichloroethene. Two wells were closed when concentrations climbed to several hundred ppb. It appears there may be a widespread ground water contamination problem in this area with several sources, some very old. Investigation continuing. | 2/82 |
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| I-167 | <p>Getty Pipe, Washington Twp., Warren Co.</p> <p>Fuel oil sludge was stored for several decades in an old limestone quarry adjacent to the Musconetcong River. Getty was in the process of reclaiming the sludge during summer, 1981 when air pollution complaints from nearby residents brought the facility to the attention of DEP. Getty was found to lack the required permits for the operation and was forced to shut down temporarily. Reclamation resumed in 4/82. The sludge has been removed, soil samples taken, and a monitor well installed and sampled. Analyses indicated minimal contamination of ground water. The sump has been filled. Case closed 11/83.</p> | <p>10/81</p> <p>C1</p> |
| I-168 | <p>Trenton Sewage Treatment Facility, Trenton, Mercer Co.</p> <p>Sewage sludge is disposed in a huge unlined lagoon. Analysis of sludge samples indicate low concentrations of organic chemicals. Several monitor wells have been recommended. Case closed 8/82.</p> | <p>9/81</p> <p>Qcm/Kmr</p> |
| I-169 | <p>Occidental Chemical (formerly Hooker), Florence, Burlington Co.</p> <p>Unlined stormwater drainage ditches and the presence of PVC resin pellets scattered throughout the site led DEP to request a ground water study. Sampling of a nearby stream revealed vinyl chloride contamination originating from the site. Twenty monitor wells were installed and a vinyl chloride and PCE ground water problem identified. Investigation continuing.</p> | <p>7/81</p> <p>Qcm/Kmr</p> |
| I-170 | <p>Tenneco Chemical Corp., Burlington, Burlington Co.</p> <p>Sludge from an on-site waste treatment facility is collected in three unlined lagoons then spread on the ground for dewatering and finally landfilled on the site. Samples of the sludge have been taken and monitor wells installed for compliance with BGWDP permit conditions. Investigation continuing.</p> | <p>3/82</p> <p>Qcm/Kmr</p> |
| I-171 | <p>Boonton Electronics, Parsippany-Troy Hills (Parsippany), Morris Co.</p> <p>Boonton Electronics dumped small quantities of 1,1,1 trichloroethane on the ground behind this facility for over a decade until 1979. DEP was alerted of this practice when Boonton Electronics reported it on an industrial survey. Three monitor wells were installed and sampled. Severe ground water contamination was confirmed. Additional monitor wells will be installed to fully assess the extent of contamination. Investigation continuing.</p> | <p>6/82</p> <p>Qsd</p> |
| I-172 | <p>Boonton Electronics, Hanover Twp., Morris Co.</p> <p>Boonton Electronics dumped small quantities of 1,1,1-trichloroethane on the ground behind this facility for several years until the practice was stopped in 1979. DEP was alerted of the dumping when Boonton Electronics reported it on an industrial survey. Contaminated soil removed from site. Soil samples and water samples from potable wells in the area analyzed. Impact on the ground water, if any, is unknown. Investigation continuing.</p> | <p>9/81</p> <p>Qsd/Trb</p> |

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| I-173 | <p>Atlantic Wood Industries, Hainesport, Burlington Co. Creosoting facility operates an unlined cooling water lagoon and has had housekeeping problems. Initial monitor well sampling showed levels of COD, TOC, As, and natural ions to be elevated over background. However, additional lagoon, sludge, soil, and well samples indicate no problem. Case closed 1983.</p> | 9/81 | Kmw |
| I-174 | <p>South Jersey Clothing Co., Buena Boro (Minatola), Atlantic Co. Company discharged dry cleaning wastes containing trichloroethylene on the ground. Several nearby private wells are contaminated with trichloroethylene. Data indicates the discharge is responsible. South Jersey Clothing has installed 12 monitor wells. The company has signed an administrative consent order summer, 1983 in which it agreed to a ground water cleanup and to supply residences with contaminated wells with potable water until the proposed public supply system is put on-line. Investigation and monitoring continuing.</p> | 10/81 | Tch |
| I-175 | <p>National Metal Finishers, Bound Brook, Somerset Co. Company discharged metal powders and oil into seepage pit. Problem discovered during Blue Spruce investigation (I-108). Company ordered to remove pit and waste materials. Monitor wells have been recommended. Investigation continuing. Dioxin on site prevents further studies and remedial action. Investigation continuing.</p> | 12/81 | Qsd/Trb |
| I-176 | <p>Hydrocarbons Research Inc., Lawrence Twp., Mercer Co. Leaking drums of process waste and other housekeeping problems have contaminated soil and surface runoff. Soils were removed. Company installed monitor wells. Investigation continuing.</p> | 9/81 | Qal/PC |
| I-177 | <p>Cramer Plating, White Twp., Warren Co. Plating firm discharged wastewater to an unlined lagoon for many years. Company has installed wastewater treatment system and is applying for a NJPDES ground water permit. Monitor wells will be installed and sampled. Investigation continuing.</p> | 11/81 | Qtm |
| I-178 | <p>Roosevelt Drive-In, Jersey City, Hudson Co. Chrome chemical process wastes were used as fill material over a large area. Twenty to thirty drums of organic materials also were dumped here illegally. The drums have been removed. Storm water runoff and ground water have high levels of hexavalent chrome and a high pH. Full-scale soil and ground water investigation proposed. Investigation continuing.</p> | 4/82 | Qf |

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| I-179 | <p>Reed's Sod Farm, Lawrence Twp., Mercer Co.</p> <p>Pesticides were spilled at loading area. Soil samples show 50 ppm chlordane, 7 ppm DDT. Local wells were sampled and found to be clean. A test pit was excavated and additional soil samples were taken. These samples revealed low concentrations of 2,4-D, 2,4,5-TP, Silvex and Heptachlor. Investigation continuing.</p> | 4/81 | Qsd/Trs |
| I-180 | <p>Jamie Fine Chemicals, Bound Brook, Somerset Co.</p> <p>Specialty organic chemical manufacturer has had discharges of contaminants through spills, leaks, sloppy housekeeping and an unpermitted discharge. On-site process well shows volatile organic compounds (approximate average total value 150 ppb). Monitor wells will be required. Funds have been set aside to perform remedial action. Dioxin present on site. Investigation continuing.</p> | 10/82 | Qsd/Trb |
| I-181 | <p>Delco-Remy, New Brunswick, Middlesex Co.</p> <p>The company has a stormwater pipe which discharges ground water containing 0.5 mg/l Pb to Mile Run Brook. The source of lead may be past leaks in their sanitary sewer (repaired 1/79). Recent samples showed no significant contamination. Case closed 7/82.</p> | 4/76 | Trb |
| I-182 | <p>Johnson Matthey, Inc., Winslow Twp., Camden Co.</p> <p>Johnson Matthey is a precious metals reclaiming operation and is suspected of dumping wastes on the ground behind the plant. Five monitor wells were installed and low levels of metal were detected. Case closed 6/83.</p> | 1/82 | Tch |
| I-183 | <p>Sandvik, Inc., Fair Lawn, Bergen Co.</p> <p>Sandvik alerted DEP that test borings initiated by them indicated the presence of contaminants. In cooperation with DEP, Sandvik located and excavated 12 buried drums and installed monitor wells on site. The contamination at Sandvik has been linked to the Fair Lawn municipal well contamination (see I-54). Further on-site cleanup and ground water monitoring are planned for the near future. Investigation continuing.</p> | 1/82 | Qt/Trb |
| I-184 | <p>Chamberlain Barclay, Cranbury, Middlesex Co.</p> <p>Chamberlain Barclay manufactures fertilizers and has an air scrubber pollution device. The air scrubber water, which is contaminated with nitrates, phosphates and other salts, is recycled through an unlined pond. Also, numerous spillages of fertilizers have occurred. Samples from their 165 foot deep well revealed elevated concentrations of Cl, SO₄ and Na. Spillages of fertilizers have been cleaned up and their discharge volume has been reduced. Investigation continuing.</p> | 1/81 | Kmv |

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| I-185 | <p>Syncon Resins, Kearny, Hudson Co.</p> <p>Approximately 11,000 drums, many leaking, are located on site. Drums contain acetates, acids, esters, caustics, corrosives, solvent wastes, waste oil, etc. Two unlined lagoons containing benzene, toluene, phenols, xylene, cumene, styrene, TCE, etc. are located on site. Many storage tanks with obvious spillage nearby are located throughout the site. Syncon was a manufacturer of resins and is now claiming bankruptcy. Samples from on-site monitor wells installed by DWR have shown contamination of the ground water. Superfund listed. Drum cleanup has begun. Investigation continuing.</p> | 1/82 | Rf/Qt/Trb |
| I-186 | <p>Varn Products, Oakland, Bergen Co.</p> <p>Varn discharged waste water from their manufacturing processes to seepage pits from 9/75 until 2/82. Varn produces cleaners and solutions for the graphic arts industry. The seepage pits were found to contain very high concentrations of volatile organics including: 1,1,1 trichloroethane, methylene chloride, xylene, cumene, etc. Varn has ceased their discharge and excavated the seepage pits and surrounding contaminated soil. Varn is currently installing additional monitor wells to fully delineate the ground water contamination. Investigation continuing.</p> | 1/82 | Qsd/Trb |
| I-187 | <p>Argeron Industries, Oakland, Bergen Co.</p> <p>Argeron discharged industrial wastes to a dry well on their property. Some of the other industries that are tenants in the same building were also discharging to the dry well. Argeron and their neighbors have ceased discharge to dry well. Sampling of the dry well showed several volatile organics including: 1,2 dichloroethane, trichloroethylene and methylene chloride. Sampling of nearby private wells showed them clean. Wastes are now being hauled away on a routine basis. Site is monitored for compliance. Case closed 5/83.</p> | 7/81 | Qsd/Trb |
| I-188 | <p>E.I. Dupont, Pompton Lakes, Passaic Co.</p> <p>Dupont manufactures explosives at their Pompton Lakes Works. They have been discharging their process waste water to four unlined lagoons for 70 years. They have installed ten monitor wells around these lagoons which show contamination of the ground water by tetrachloroethylene, oil, and grease. There is a shooting pond on site used to detonate waste caps below water. Five monitor wells around this pond show ground water contamination by tetrachloroethylene, Cd, Pb and Se. Dupont is phasing out the discharge to the lagoons and installing additional wells to fully evaluate the impact on ground water at the site. Investigation continuing.</p> | 4/82 | Qt/PC |

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| I-189 | Hercules, Inc., Burlington, Burlington Co. Hercules manufactured explosives and dimethylterethalate (DMT), a raw product of polyester. They currently manufacture resins. Four on-site unlined lagoons are part of their industrial waste treatment plant. An abandoned unlined sludge lagoon for DMT wastes is also located on site. There was no ground water monitoring around any of these lagoons. Three 100-140 foot deep production wells are located on site. Seven monitor wells have been installed at DEP's request and the lagoons effect on the ground water is being monitored. Hercules has applied for a Ground Water Discharge Permit. Investigation continuing. | 1/82 Qsd/Kmr (Raritan) |
| I-190 | Meadox Medicals, Inc., Oakland, Bergen Co. Meadox has been discharging industrial wastewater to seepage pits for an unknown length of time. Sampling of the pits has shown high concentrations of volatile organics including methylene chloride (32,000 ppb). DEP has directed Meadox to stop the discharge, install monitor wells and take soil samples. Company has complied with order. A total of five monitor wells were installed. Company has received a NJPDES permit to discharge. Monitoring. | 4/82 Qsd/Trb |
| 1-191 | Witco Chemical Corp., Oakland, Bergen County. Witco has been discharging their industrial wastewaters to seepage pits for 17 years. Sampling of the pits has shown high levels of petroleum hydrocarbons and volatile organics. Monitor wells were installed indicating degradation of the ground water. At DEP's request the discharge has been ceased. Investigation continuing. | 4/82 Qsd/Trb |
| 1-192 | Nestle Company, Freehold Twp., Monmouth Co. A spill of #6 fuel oil occurred along with a vegetable oil tank leak in 4/81. Some oil seeped into a nearby creek. A scavenger company was contracted to remove oil from the creek. Oil-laden debris was cleaned up and hauled away. The company has applied for a NJPDES permit. Eight monitor wells have been installed. Sampling indicated the presence of organic pollutants. Investigation continuing. | 4/81 Tht/Krb |
| I-193 | SGL Modern Hard Chrome Service, Pennsauken, Camden Co. SGL has been in the business of nickel and chrome electroplating on this site since 1969. Process chrome and nickel wastes were discharged into underground septic tanks until 1980. The wastes are a possible source of chrome contamination at Camden City Well #6, 0.9 miles to the east. Four monitor wells were installed, and sampled to determine extent of ground water pollution. No contamination was found in the ground water. However, soil above the water table contained high levels of Cr and Ni. Contaminated soil was removed, the area capped with asphalt and the monitor wells were sealed. Case closed 6/83. | 6/80 Kmr |

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| I-194 | Mazel Chemical Company, Boro of Tinton Falls, Monmouth Co. Mazel manufactures polyesters, urethanes, and glycerin products. The company discharged boiler blowdown water, and washdown water behind the plant. In addition, non-contact cooling water was also discharged. One monitor well was installed and sampled. No contamination was found. Case closed 7/82. | 3/81 Tvt |
| I-195 | Deptford Plating, Deptford Township, Gloucester Co. Deptford Plating finishes and plates metals. For about 20 years it has been discharging 10,000 GPD of untreated wastewater into 20 perforated underground tanks behind the plant. The company was ordered to cease the discharge, remove the tanks, and any sludge and liquid in them, and also install one monitor well. The well was installed and sampled. No contamination found. Wastewater is now discharged to sanitary sewers, and the company has agreed to remove the tanks. Case closed 4/82. | 4/81 Kmw |
| I-196 | Hercules Inc., Greenwich Twp. (Gibbstown), Gloucester Co. Hercules manufactures organic peroxides on this 70 acre facility. On-site production deep well sampled by USGS showed high levels of benzene. Twenty-two monitor wells installed indicated ground water contaminated with benzene, cumene, and phenol. Investigation continuing. | 10/81 Kmr |
| I-197 | Plasti-Clad Metal Products, Wall Township, Monmouth Co. The company has been coating steel with plastic on this site since the late 1960's. Chromium used in the cleaning process has been discharged into a septic system behind the building. Thirteen monitor wells installed in the area document severe chrome contamination. A municipal well is about 1/2 mile away. Enforcement case closed 4/82. Transferred to BGWDP. | 4/82 Tch |
| I-198 | Manahawkin Chrysler-Plymouth, Stafford Twp., Ocean Co. A repair garage has been operating on this site for 25 years. Oil leaks and spills were discharged through a floor drain to a cesspool. Twenty five private wells in the vicinity were checked for contamination. None found. Case closed 4/82. | 12/81 Obs |
| I-199 | Frinton Lab, Vineland, Cumberland Co. This small laboratory purchases many types of organic chemicals in bulk and repackages them in smaller containers. All waste from this lab and its operations was deposited in the septic system. This septic system has since leaked volatile organic compounds into the ground water. Municipal water has been supplied to residences in this area. Case closed 10/83. | 6/82 Tch/Tkw |

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| I-200 | N.J. State Game Preserve, Lacey Twp. (Forked River), Ocean Co. State quail and pheasant raising facility has elevated nitrate levels in on-site wells. One residential potable supply well off game farm property affected. Investigation continuing. | 9/82 Tch |
| I-201 | RCA, West Windsor Twp., Mercer Co. RCA discovered high TCE levels in the potable water supply at the Sarnoff Research Center. Source is undetermined. Investigation continuing. | 8/82 Trs |
| I-202 | Bell & Howell Company, Lopatcong, Warren Co. A spill from drums stored on Bell & Howell property brought this site to the attention of DEP. Ground water disposal practices and ground water quality in the area under review. Investigation continuing. | 8/82 Oe |
| I-203 | Matlack, Inc., Swedesboro, Gloucester Co. Organic chemical contamination in a nearby domestic well led DEP to investigate this site. Buried sludge from an old lagoon which received wastewater from a chemical truck washing facility was discovered. Company has been directed to initiate a hydrogeologic study. Investigation continuing. | 12/82 Knr |
| I-204 | J.L. Armitage & Company, Newark, Essex Co. Contaminated water was discovered infiltrating the basement of a nearby residence. Subsequent investigation revealed compounds in this water which were also stored in underground tanks at the Armitage plant. Three monitor wells were installed and ground water samples taken and analyzed. May, 1982, laboratory results show elevated levels of volatile organic compounds. An upgraded decontamination system has been recommended. Investigation continuing. | 2/82 Qsd/Trb |
| I-205 | Abbotts Manufacturing Co., Bridgeton City, Cumberland Co. Former employee charged company discharged waste- water from a plating operation onto ground. Company has been directed to institute an environmental recovery pro- gram including the installation of monitor wells and soil and ground water sampling. Investigation continuing. | 10/82 Tch |
| I-206 | Emil A. Schroth, Inc., Howell Twp., Monmouth Co. Effluent from acid bath for copper tubing discharged into a retention pond excavated below the water table. Pond is connected to a tributary of the Manasquan River. Investigation continuing. | 11/82 Tkw |
| I-207 | Belmar Municipal Field, Belmar, Monmouth Co. Oil slick in Shark River was traced to subsurface sludge in municipal soccer field, the site of former coal gasification plant. Investigation continuing. | 1/83 Qbs |

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| I-208 | <p>Tablicaps, Inc., Franklin Twp., Gloucester Co.</p> <p>Pharmaceutical manufacturing company is charged with disposal of waste, including pharmaceuticals. Waste was buried on site. Investigation continuing.</p> | 11/82 | Kmr |
| I-209 | <p>Garden State Transit, Rockaway Twp., Morris Co.</p> <p>Company found to have discharged wastewater into septic system. Samples from septic system showed petroleum hydrocarbons and volatile organics. Investigation continuing.</p> | 7/82 | Qtm |
| I-210 | <p>Howmet (Alloy), Dover, Morris Co.</p> <p>Buried drums were found during the course of a sewer line inspection. Subsequent investigation showed illegal discharge of industrial wastes had occurred. See I-211. Investigation continuing.</p> | 8/81 | Qtm |
| I-211 | <p>Howmet (Austenal), Dover, Morris Co.</p> <p>Buried drums were found during the course of a sewer line inspection. Subsequent investigation showed illegal discharge of industrial wastes had occurred. Private hydrogeologic study to determine impact and remedial actions required are in progress. See I-210. Investigation continuing.</p> | 8/81 | Qtm |
| I-212 | <p>Meyers Property, Franklin Twp. (Kingtown), Hunterdon Co.</p> <p>This is a privately owned and now abandoned industrial site, used as far back as World War II. Site is adjacent to Cakepoulin Creek. Drummed waste is now stored in a derelict shed. Some waste may be buried on site. Removal of the waste is a low Superfund priority but once done this may represent the only cleanup necessary here. Superfund listed. Investigation continuing.</p> | 5/82 | Qal |
| I-213 | <p>Stauffer Chemical, South Brunswick Twp. (Dayton), Middlesex Co.</p> <p>This facility formulates agricultural herbicides. Stauffer initiated an in-house evaluation which revealed several chemicals in upper (Old Bridge) aquifer and low levels in Farrington aquifer. Detailed consultant's report received in 9/82. Strategy meeting with company in 1/83. Additional meetings throughout the year. Septic system has been abandoned, contaminated soil was clay capped and housekeeping upgraded. Monitor wells installed on site and monthly sampling of on-and off-site wells. Further drilling and other hydrogeologic work will be done. Investigation continuing.</p> | 12/81 | Krob/Krfs |
| I-214 | <p>Conrail Yard, Hoboken, Hudson Co.</p> <p>Fuel oil seeping into shipping canal via old sewer lines. Fourteen monitor wells were installed in 4/80. Two had significant product accumulation. Conrail/New Jersey Transit sealed off sewer line and installed a recovery well in summer, 1981. Oil recovery has decreased significantly as of 1/83. Decontamination continuing.</p> | 2/80 | Rf |

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| I-215 | Garfield Municipal Wells, Elmwood Park, Bergen Co. Several of Garfield's supply wells located in their Elmwood Park Well Field have shown elevated levels of trichloroethylene, 1,1,1 trichloroethane and tetrachloroethylene. Possible sources of contamination are currently under investigation. Wells are being routinely sampled. Investigation continuing. | Qsd/Trb |
| I-216 | Mobay Chemical Corp., Haledon, Passaic Co. Mobay uses lagoons for its wastewater and the effect of the lagoons on ground water must be determined. Investigation continuing. | 8/82 Qsd/Trb |
| I-217 | Sun Mark Industries, Newark, Essex Co. As part of Sun Mark's Safety, Prevention, Control and Countermeasures Plan, oil was found floating on the ground water. Sun Mark will be installing monitor wells to assess the problem. Investigation continuing. | 6/82 Rf/Qsd/Trb |
| I-218 | Caldwell Trucking, Fairfield, Essex Co. Caldwell Trucking hauled septage waste to unlined lagoon on their property. Monitor wells on-site show severe ground water contamination by organics. They have been ordered to clean up the site and initiate ground water decontamination. They have requested a hearing. Superfund listed. Investigation continuing. | 6/82 Qsd/Trbs |
| I-219 | General Hose, Fairfield Twp., Essex Co. General Hose has leaked solvents into the ground and contaminated the soil. They have installed monitor wells at the request of DEP confirming severe ground water contamination. Superfund candidate (see I-37). Investigation continuing. | 6/82 Qsd/Qt/Trbs |
| I-220 | Ballantine Laboratories, Inc., Parsippany-Troy Hills, Morris Co. Ballantine manufactures electrical equipment. In 10/80 an analysis of their septic tank showed elevated levels of volatile organics. Septic has been pumped and Ballantine is on a city sewer line. The source of ground water contamination appears to be upgradient of Ballantine. Therefore, DEP is concentrating its investigation on adjacent industries. Investigation continuing. | 10/80 Qsd/Trb |

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| I-221 | <p>Central Steel Drum, Newark, Essex Co.</p> <p>The company is the world's largest reconditioner of 55-gallon steel drums. The site is clogged by the storage of many leaking drums which contain unknown substances. Soil samples from on-site boring and water samples from a drainage ditch taken by DEP were contaminated with volatile organics. Central Steel Drum has submitted a proposal for a ground water and soil investigation as well as a plan to upgrade its operational procedures. The drilling of monitor wells and soil sampling should start by summer, of 1984. Investigation continuing.</p> | 1/83 | Rf/organic clay/Qsd/Trb |
| I-222 | <p>Trenton Lehigh Coal and Oil, Trenton, Mercer Co.</p> <p>Site is a coal and fuel oil storage and distribution center. All surface runoff is channeled into a oil-water separator and subsequently empties into the Delaware and Raritan Canal. The drain is often clogged and the surrounding soil is covered with an oil residue. Investigation continuing.</p> | 7/81 | Rf/bgn |
| I-223 | <p>Pratt-Gabriel Chemical, Washington Twp. (Robbinsville), Mercer Co.</p> <p>Pratt-Gabriel mixes and repacks pesticides including, insecticides, herbicides, and fungicides. In the past, this facility allegedly disposed of all surface runoff and processing wastewater into an underground pit. Nearby domestic well and soil next to the pit are contaminated with pesticides. Company has installed three monitor wells (9/83). Sampling of monitor wells (12/83) show ground water is contaminated with pesticides and volatile organics. DEP has requested that the company hire a consultant in order to determine the extent of ground water contamination. Investigation continuing.</p> | 11/81 | Ops |
| I-224 | <p>Hillsborough Road Maintenance Yard, Hillsborough Twp., Somerset Co.</p> <p>Two domestic wells were contaminated by chlorides. The source of contamination was seepage and runoff from the outside storage of road salt by the municipal yard. Both wells were pumped to waste and sealed after the chloride levels fell below the ground water standard. Homes now have new deep wells. Salt contaminated soil at the yard was removed, surface drainage at the yard was redirected and all stored salt is enclosed. Case closed 6/82.</p> | 7/81 | Trb |

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| I-225 | <p>Ledgewood Baptist Church, Roxbury, Morris Co.</p> <p>Church's wells and several other domestic wells are contaminated by volatile organics. Several septic systems used by small business have been sampled and found to contain volatile organics. All these septic systems have been pumped. In addition, the gasoline stations in the area have been tested by Kent-Moore and were tight. There are many abandoned underground fuel tanks located in the area in addition to many other possible sources of contamination. Monitor wells have been recommended. Investigation continuing.</p> | 7/81 | Qtm/gn |
| I-226 | <p>Cooke Color & Chemical, Washington Twp., Morris Co.</p> <p>A lagoon used for the disposal of cooling water and floor drain water was contaminated with oil, grease, and metals. In summer, 1982 the company had removed all the sludge, contaminated soil, and filled in the lagoon. In addition, three monitor wells were drilled and sampled. Sampling results showed low levels of lead. Monitoring continuing.</p> | 7/81 | Qsd/ Ca |
| I-227 | <p>GAF Corporation, Linden, Union Co.</p> <p>Company has dumped various wastes at an on-site dump. GAF installed and sampled seven monitor wells in 1/83. Sampling results from the monitoring wells indicate that benzene, halogenated benzene compounds, naphthalene, phenol, As and Cn are present in the ground water in elevated concentrations. Investigation continuing.</p> | 8/81 | Trb |
| I-228 | <p>Hillcrest Homes, Mansfield Twp., Warren Co.</p> <p>Two wells supplying water to a 30 home development were contaminated by chlorides. The source of the chlorides was seepage of runoff into the ground from the outside storage of road salt by a neighboring DOT yard. In addition, numerous shallow domestic wells have been contaminated. DEP conducted a geophysical survey and ground water sampling in the area. This report has been submitted to DOT. DOT has been sampling domestic wells and these on-site wells monthly. DEP is waiting for DOT to submit report detailing corrective measures. Investigation continuing.</p> | 8/81 | Omb/Ojb |
| I-229 | <p>Synthatron Corp., Parsippany-Troy Hills, Morris Co.</p> <p>In the past Synthatron produced arsine gas and was engaged in gas purification. Analysis of their basement sumps and septic tank showed volatile organics. Synthatron had a ground water study done (5/82) in which three monitoring wells were drilled and sampled. The ground water was found to be contaminated by volatiles and As. DEP has requested Synthatron to install additional monitor wells to determine the extent of arsenic contamination. In addition, DEP is investigating upgradient industries as possible sources for the volatile organic contamination. Investigation continuing.</p> | 11/81 | Qsd/Trb |

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| I-230 | Airco, Franklin, Somerset Co. | 11/81 |
| <p>Due to an inventory loss at the inactive site, Airco drilled 16 wells (11/81) to determine if there is any ground water contamination. Analysis of the wells showed high levels of organics. In response to this Airco has drilled 5 additional wells (11/82) in order to conduct a pump test which will enable them to design a ground water decontamination system. The pump test will be conducted in early 1984. Investigation continuing.</p> | | Trb |
| I-231 | Inmont, Hawthorne, Passaic Co. | 2/82 |
| <p>Ground water contamination has been found beneath Inmont's site. Old abandoned bedrock supply wells have been sampled showing the presence of organic compounds, including nitrobenzene, toluene, trichlorobenzene, etc. Overburden monitor wells have shown relatively low levels of volatile organics including tetrachloroethylene. An in depth hydro-geologic study has been initiated. Investigation continuing.</p> | | Qsd/Trb |
| I-232 | Swope Oil, Pennsauken, Camden Co. | 2/82 |
| <p>This is an abandoned industrial site with an unlined waste lagoon, tank farm, and chemical drums. The underlying geology may have prevented ground water contamination. Soil sampling, monitor wells and sludge removal have been recommended. Superfund listed. Investigation continuing.</p> | | Kmr |
| I-233 | Montgomery Township Well Contamination, Montgomery Twp., Somerset Co. | 79 |
| <p>Volatile organics were found in several domestic wells. Various commercial sources have been investigated. Local soil sampling has defined additional, but unrelated, organic contaminants. Superfund listed. Investigation continuing.</p> | | Trb |
| I-234 | Quanta, Edgewater, Bergen Co. | 2/80 |
| <p>This site served as an oil recovery and recycling facility. Since the early 1900's leaky tanks and surface spills have caused contamination of ground water and the Hudson River, however, no public or private potable wells are in danger of being contaminated. The facility ceased operations in 1981. Monitoring wells were incorrectly installed so new installations of wells are necessary. The company filed for bankruptcy and the site is now abandoned. The company was knowingly accepting PCB waste and added it to recycled oil. Investigation continuing.</p> | | Qal/Trs |

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| I-235 | <p>West Amwell School/Lehigh Fluid, West Amwell, Hunterdon Co. School well was contaminated by organic chemicals including trichloroethylene. The source was found to be Lehigh Fluid Power Co. which is located adjacent to the school. Industrial waste was removed from the Lehigh site in 1980 and the area was capped with clay. A decontamination well is pumping 10,000 gpd to a tributary of Alexauken Creek with natural aeration as treatment. Aquifer restoration is progressing nicely. A carbon filtration system has been installed on the school well. Decontamination continuing.</p> | 80 | Trb |
| I-236 | <p>Rocky Hill Municipal Well, Rocky Hill, Somerset Co. Municipal well supply is contaminated with trichloroethylene. A decontamination system is on line for trichloroethylene removal. In the vicinity, other areas of organic contamination of ground water and soils have been identified. Superfund listed. Investigation continuing.</p> | 79 | Trb |
| I-237 | <p>Dynapac, Stanhope, Morris Co. An industrial discharge from an engine cleaning operation into eight seepage pits led to contamination of ground water with surfactants (sudsing agents) and volatile organics. Monitor wells have been installed and a hydrogeologic study is underway. Investigation continuing.</p> | 1/82 | bgn |
| I-238 | <p>Southland Corp., Liberty Twp. (Great Meadows), Warren Co. Previously called Alphano Chemical, Gamma Chemical, Ashland Chemical, and finally Southland Chemical. Plant made tear gas during the Korean War. There is a chemical landfill. Waste acid neutralizers were dumped in large area behind plant, and there were numerous unlined lagoons. Site is dissected by several drainage ditches and contamination has been found in them. Monitoring wells have been installed and show shallow ground water contamination with organics. A consultant has been retained by Southland to develop a remedial action plan. Enforcement Case closed 12/81. Transferred to BGWDP.</p> | 1/82 | Qa/Ca |
| I-239 | <p>Chemical Components, East Hanover, Morris Co. Contamination of private potable supply wells with volatile organic chemicals led to an investigation of disposal practices of area industries. Analysis of seepage pit contents indicated the presence of volatile organic chemicals. Investigation continuing.</p> | 5/83 | Qsd/Trb |
| I-240 | <p>Iisi America, Piscataway, Middlesex Co. Phenols were discharged on-site. Seepage into one test excavation contained phenols. Monitoring well installation was recommended. Investigation continuing.</p> | 12/81 | Trb |

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| I-241 | Pacific Vegetable Oil (PVO), Boonton, Morris Co. PVO was involved in making margarine and other vegetable oil products. Food processing tanks, drums of chemicals, spillages and other sources of contaminations were seen on site. PVO has cleaned up some of these sources, however others still remain. Monitoring wells have been ordered to assess ground water quality. Investigation continuing. | 5/82 gn/Trb |
| I-242 | Essex Chemical, Sayreville, Middlesex Co. A total of 12 on-site monitoring wells have been installed. The ground water is contaminated with volatile organics and base neutrals. Contaminated soils have been removed. Additional ground water sampling is to be done. Investigation continuing. | 1/79 Kmr |
| I-243 | Prodelin, Millstone Twp., Monmouth Co. Trichloroethylene (8 ppb) found in on-site production well. Three shallow monitoring wells have been installed. Initial ground water sampling to be done in early 1984. Investigation continuing. | 10/81 Kns |
| I-244 | Conrail, Secaucus, Hudson Co. Poor housekeeping and long-term spillage of diesel fuel has led to contamination of shallow ground water. Monitoring wells have been installed. Investigation continuing. | 11/81 Qsd/Qal |
| I-245 | Bowen Engineering, Branchburg, Somerset Co. A small plant involved in spray drying all types of substances including volatile organic chemicals. Wastes were either discharged to a septic system or stored in holding tanks. Septic and holding tanks will be sampled and pumped out to eliminate source of contamination. Investigation continuing. | 8/82 Trb |
| I-246 | Hoeganaes-Interlake, Cinnaminson, Burlington Co. Hoeganaes is an industry solely involved in making iron powders for the auto industry. They have an outfall to the Delaware River. An investigation is underway on this matter by the DEP. Investigation continuing. | 8/82 Kmr |
| I-247 | Webcraft, Metuchen, Middlesex Co. Soils contaminated with volatile organics have been removed. On-site production well is not contaminated with volatiles. Investigation continuing. | 2/83 Trb |
| I-248 | Lever Brothers, Edgewater, Bergen Co. Oil discharging to Hudson River. A boom was installed on the Hudson to collect oil. Monitoring. | 7/81 Trs |

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| I-249 | <p>Drew Chemical, Boonton, Morris Co.</p> <p>Drums and spillages are obvious sources of contamination on this site. An investigation including the installation of monitoring wells to assess ground water quality will begin shortly. Investigation continuing.</p> | 2/82 | Trb/gn |
| I-250 | <p>Jersey Plating, Boonton, Morris Co.</p> <p>This is a small plating industry that discharges small amounts of plating wastes to a cesspool. The cesspool will be pumped out and wastes will be pumped to a holding tank. Case closed 3/83.</p> | 4/82 | gn |
| I-251 | <p>Diamond Aerosol, Lebanon Twp., Hunterdon Co.</p> <p>Approximately 50 buried drums have been uncovered at the Diamond Aerosol site. In addition, unpermitted discharges to the ground water have taken place. Soil samplings in vicinity have revealed the presence of various compounds including carbon tetrachloride, chloroform, 1,1,1 trichloroethane, xylene and ethylbenzene. An administrative consent order was issued and signed in 10/83 which details a remedial action and ground water monitoring plan. Seven monitor wells were installed and sampled in 11/83. One well showed levels of volatile organics above 100 ppb. The excavation of the drums has been initiated. Ground water monitoring and remedial work will continue until the site is cleaned up. The neighborhood surrounding the site uses individual domestic wells. No off-site migration of contaminants has been identified. Investigation continuing.</p> | 3/83 | PC |
| I-252 | <p>Ramsey Residence, Clinton Twp., Hunterdon Co.</p> <p>Resident complained of strong odor in drinking water. Testing found excessive coliform levels. Problem may be related to septage from nearby farm. Contaminated well has been replaced with new well providing clean water. Investigation continuing.</p> | 2/83 | gn |
| I-253 | <p>M.A. Polymer, Florence Twp. (Roebing), Burlington Co.</p> <p>A former employee informed DEP of illegal waste disposal practices. Waste water and sludge from a plastic separating process for shredded battery casings were dumped on the ground and into a sewer manhole. The possibility that lead, or acid has contaminated the ground water presently exists. MA Polymer rented space on the property of the Roebing Steel Industrial Complex. This complex is presently being investigated under Superfund and consequently MA Polymer will be evaluated. Investigation continuing as part of the Roebing Steel case (I-290).</p> | 10/81 | Qcm/Kmr |

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| I-254 | <p>Pioneer Smelting, Woodland Twp., Burlington Co.</p> <p>Silver and aluminum reclaiming operation which accepted drums containing cobalt oxide residue and tin solutions. Surface spills, buried drums, and floor drains discharging into the ground were noted by investigators. Monitor wells have been recommended. Investigation continuing.</p> | 7/82 | Tck/Qsd |
| I-255 | <p>Ames Rubber, Hamburg, Sussex Co.</p> <p>The facility makes rubber products from uncompounded rubber. Both contact and non-contact cooling water is used in the process. The non-contact cooling water is discharged into an unlined on-site pond. In early 1982 volatile organics were found in the Walkkill River downstream from the lagoon discharge. In mid-1983 three monitor wells were installed around the lagoon to determine whether contaminants were leaking from the pond to the ground water. Contamination was found. Enforcement case closed 4/84. Transferred to BGWDP.</p> | 12/82 | Ca/Cl |
| I-256 | <p>Colonial Pipeline, West Deptford, Gloucester Co.</p> <p>The facility is a 74-acre petroleum tank farm built in 1963. It contains 19 above-ground storage tanks with a total capacity of about 8 million gallons. An on-site, one acre unlined fire pond collects runoff from the entire site. The pond was sampled in late 1982 and found to contain high levels of volatile organics. In mid-1983 four monitor wells were installed around the pond to determine whether contaminants were leaking into the ground water. Enforcement case closed 4/84. Transferred to BGWDP.</p> | 11/82 | Ket |
| I-257 | <p>Standard Keil, Wall Twp., Monmouth Co.</p> <p>The company manufactures hardware for food preparation (highly polished latches, faucets, etc.). Wastewater is discharged into an on-site septic system. The system was observed malfunctioning in 9/82 by a State inspector. Industrial waste was being discharged into the system. In early 1983 a monitor well was installed next to the septic system discharge to determine whether there was any ground water contamination. Several analyses showed no contamination. The well was sealed in 9/83. Case closed 9/83.</p> | 12/82 | Qsd |
| I-258 | <p>Pfister Chemical, Ridgely, Bergen Co.</p> <p>Pfister Chemical manufactures organic chemicals here. Discharge of wastewaters was to both a sewer system and an unlined lagoon. The lagoon is not being used at the present. Four ground water monitoring wells were proposed but have yet to be installed. Investigation continuing.</p> | 3/82 | Qal |

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| I-259 | Federated Metals, Newark, Essex Co. Disposal of metal plating waste into an infiltration-percolation lagoon resulted in inorganic pollution of the ground water, primarily by Cd. A final NJPDES/IWMP ground water monitoring permit has been issued for the site. Pollution aspects will be handled under State and Federal hazardous waste regulations. Case closed 4/84. | 9/81 Qsd |
| I-260 | Hercules, Inc., Roxbury Twp. (Kenvil), Morris Co. An initial hydrogeologic investigation was conducted at Hercules Kenvil explosive plant. Fifteen ground water monitoring wells in addition to soil borings were inventoried to determine ground water flow direction and quality. The investigation is in progress to determine the nature and extent of inorganic and organic pollution, as well as further define aquifer flow conditions. Investigation continuing. | 81 Qsd |
| I-261 | Marvin Jonas, Deptford, Gloucester Co. This facility is a closed transfer station with illegal landfill(s). Two existing monitor wells uncovered the presence of organic contaminants in the ground water. On 6/11/82 an initial hydrogeologic assessment was submitted to DWM. Case in litigation. | 4/82 Kmw |
| I-262 | Weiss-Aug, East Hanover, Morris Co. Analysis of septic effluent indicated the presence of volatile organic chemicals. The source was traced to wash water directed to a sink. The source has been eliminated. Monitor wells have been installed. Investigation continuing. | 3/82 Qsd/Trb |
| I-263 | Witco, Perth Amboy, Middlesex Co. PCB spills have resulted in soil contamination. A hydrogeological study is underway to determine if ground water has been contaminated. Investigation continuing. | 2/83 Qf |
| I-264 | Trenton Fuel Oil, Trenton, Mercer Co. Trenton Fuel Oil, Inc., owns a 3.5 million gallon capacity petroleum distillate bulk storage and transfer terminal. Contaminated soils and unpermitted discharges to ground water have been observed by DEP. Investigation continuing. | 1/82 Kmr |
| I-265 | Greenville Yards, Jersey City, Hudson Co. Port Authority of New York and New Jersey (PATH) was interested in developing this abandoned railroad freight yard. Illegal dumping had occurred here in 1979 and was cleaned up with state funds. Before development, investigation of any remaining soil and water contamination must be completed. PATH is no longer considering development. Case closed 3/84. | 10/82 Qsd |

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| I-266 | <p>Mycalex Facility, Andover Twp., Sussex Co.</p> <p>Mycalex manufactured a synthetic mica material at this site until 1971. Waste products were landfilled on-site. After 1971 materials from off-site (including lead-bearing sludge and miscellaneous debris) were included in the fill. EPA is leading the investigation with DEP reviewing all phases. Investigation continuing.</p> | 6/83 | Qt/gn |
| I-267 | <p>Curcio Scrap Metals, Garfield, Bergen Co.</p> <p>Company reportedly stored empty electrical transformers on site. Sampling for residual contamination indicated PCB present in soil. Contaminated soils were excavated. Investigation continuing.</p> | 4/83 | Qsd/Trb |
| I-268 | <p>Millmaster Onyx, Berkeley Heights, Union Co.</p> <p>Millmaster Onyx manufactured specialty chemicals and pharmaceuticals. Possible sources of ground water contamination were 4 lagoons, buried drums, and spills, especially a reported PCB oil spill that occurred in 1967. Monitor wells (18) have been installed and sampled in conjunction with a soil sampling program. DEP is waiting for the sampling results. However, previous soil and water sampling have shown that PCB and volatile organic contamination has occurred. Investigation continuing.</p> | 5/83 | Trb |
| I-269 | <p>Texaco Terminal, Newark, Essex Co.</p> <p>Texaco noticed oil seeping up through the ground. Subsequent tank testing revealed a leaking gasket in one buried tank line. Texaco has installed monitor wells (7/82) and a recovery system (6/83) consisting of two trenches and three recovery wells. Investigation and decontamination continuing.</p> | 8/82 | Qsd/Trb |
| I-270 | <p>Princeton Airport, Montgomery Twp., Somerset Co.</p> <p>Subsurface tank leakage has resulted in soil contamination with volatile organics. Some soil has been removed. Nine monitoring wells have been installed. Ground water sample results indicate petroleum hydrocarbon and low-level volatile organic and acid extractable contamination. Investigation continuing.</p> | 1/83 | Trb |
| I-271 | <p>Pittston Petroleum, Jersey City, Hudson Co.</p> <p>This is an active tank farm. Degradation of the ground water with hydrocarbons and chromium has occurred. Berms are composed of chromium waste. Monitoring wells, which are unacceptably constructed, were installed to meet the requirements of the Discharge Prevention Containment Countermeasure Discharge Cleanup Recovery Plan. Investigation continuing.</p> | 6/81 | Rf/Qsd |

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| I-272 | Fisher Scientific, Fairlawn, Bergen Co. | 4/83 |
| <p>Soil and ground water samples obtained at the Fisher Scientific site have revealed high concentrations of volatile organic compounds including chloroform, carbon tetrachloride, trichloroethylene and others. These same compounds have been detected in the Fair Lawn municipal wells (see I-54). Fisher has installed seven monitor wells and will be initiating additional remedial and monitoring measures in the near future. Investigation continuing.</p> | | Qt/Trb |
| I-273 | Wortendyke Well Field, Midland Park, Bergen Co. | 1/83 |
| <p>Volatile organics (especially tetrachloroethylene, trichloroethylene, and 1,1,1 trichloroethane) have been found at undesirable quantities in several municipal supply wells serving the Ridgewood Water Company. These same compounds have been found in nearby private and industrial wells. The municipal supply is being treated and blended. The source of the ground water contamination has yet to be identified, but is likely within an industrial area adjacent to the well field. Investigation continuing.</p> | | Qgu/Trb |
| I-274 | Standard Chlorine, Kearny, Hudson Co. | 8/82 |
| <p>Chromium waste is landfilled at this site. Shallow and deep monitoring wells have been installed. Deep wells have been found to be contaminated with organics, as well as chromium. Investigation continuing.</p> | | Rf/Qsd |
| I-275 | Garfield Ave. (800), Jersey City, Hudson Co. | 6/83 |
| <p>Chromium waste is landfilled at this site. Shallow and deep monitoring wells have indicated hydrocarbon contamination. Deep wells have a floating product phase, aqueous phase and sinking product phase. Awaiting the consultants report defining the site conditions. Investigation continuing.</p> | | Rf/Qal |
| I-276 | Emulsion Marketing Inc. (Stavolo Oil), Hainesport, Burlington Co. | 6/83 |
| <p>Suspected ground water contamination from asphalt manufacturing plant and its transportation and truck maintenance department. Surface discharges of gasoline, solvents, and waste from production plant have taken place. Other housekeeping practices have compounded problems. Monitor wells have been recommended. Investigation continuing.</p> | | Qu/Kwe |
| I-277 | Forest Drive, Waterford Twp., Camden Co. | 7/83 |
| <p>The ground water in this area has been contaminated with organic chemicals. Domestic wells have been impacted. Two shallow point wells were installed and sampled. A local septic system is being evaluated as a point source, although other sources have not been ruled out. Investigation continuing.</p> | | Tch |

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| I-278 | <p>Conover Stripping, East Windsor Twp., Mercer Co.</p> <p>A furniture stripping and refinishing operation was located on this property for approximately seven years. Supposedly waste materials were dumped on the ground. Three on-site wells were sampled in 6/82. Benzene (120 ppb) and 1,2 dichloroethane (33 ppb) were the main contaminants. Additional ground water and soil samples will be needed to further evaluate the extent of contamination. Investigation continuing.</p> | 7/83 Kwb/Kmt |
| I-279 | <p>Trenton Drum, Lawrence Twp., Mercer Co.</p> <p>The firm recycles and refinishes used steel and fiber drums and has been operating for about 50 years. Runoff and soil are affected by operations on the property. Geologic and related recommendations were made after a site visit in mid-1983. Case has relatively low priority. Case inactive.</p> | 6/83 gn |
| I-280 | <p>Whippany Paperboard Company, Hanover Twp., Morris Co.</p> <p>Six settling lagoons were located on the site. During the operation of the plant odors were a problem from these lagoons. In an effort to blanket the smell, fuel oil was sprayed on the sludge. Abandonment of four of the lagoons consisted of backfilling, and burying the oil. Soil boring done in the filled lagoons indicated the presence of benzene, toluene, and other volatile organics. Monitor wells will be installed in early 1984. Investigation continuing.</p> | 7/83 Qgu/Trb |
| I-281 | <p>Timberlane Welding, Paulsboro, Gloucester Co.</p> <p>The company repairs gasoline tank trucks. Approximately 25 gallons of wastewater per week are disposed of on site. A directive letter in 6/83 ordered the firm to cease all discharges to the ground. Instead, wastewater is collected and treated in an oil-water separator; waste oils are recycled. Case has a relatively low priority. An inspection showed significant improvement. Case inactive.</p> | 7/83 Qcm/Kmr |
| I-282 | <p>Givaudan Corp., 125 Delaware Ave., Clifton, Passaic Co.</p> <p>Routine sampling required for a diversion permit for process and cooling water used in batch chemical process yielded evidence of significant ground water contamination with numerous volatile organics, including benzene. A state-wide program of sampling potential dioxin producing facilities indicated dioxin was present in the soils on Givaudan property. Investigation continuing.</p> | 10/83 Qsd/Trb |
| I-283 | <p>Firmenich, Plainsboro, Middlesex Co.</p> <p>Company has discharged their treated industrial wastewater through a spray irrigation system since late 1976 - early 1977. The underdrain system discharges to a small pond and then into Devil's Brook. Enforcement case closed 2/83. Transferred to BGWDP.</p> | Trs |

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| I-284 | <p>Derewal Chemical, Kingwood Twp., Hunterdon Co.</p> <p>The site was operated by the Derewal Chemical Company until the early 1970's. The company handled waste chemicals, mostly having metals. Some sample results indicated elevated levels of hexavalent chromium. Organic chemicals were never a concern but there may be a problem if they are found to be present. Additional soil sampling and water sampling is planned. Investigation continuing.</p> | 8/83 | Qgu/Trb |
| I-285 | <p>Mosstype Corp., Waldwick, Bergen Co.</p> <p>Mosstype has discharged industrial wastes to ground water. Soil in the vicinity of their discharges has shown high levels of volatile organics including chloroform, 1,1,1 trichloroethane, trichloroethylene, tetrachloroethylene and others. A water sample from Mosstype's on-site 400 foot deep production well revealed high concentrations of the same compounds. Sampling of municipal supply wells in the area have also shown the presence of these compounds. Mosstype has been directed to install soil borings and monitor wells on site as part of a hydrogeologic study which when completed will give an assessment of the degree and extent of contamination and a plan for remedial action. Investigation continuing.</p> | 8/83 | Qsd/Trb |
| I-286 | <p>W.R. Grace, Wayne Twp., Passaic Co.</p> <p>The facility had processed monazite sand for thorium and rare earths. Monitor wells were installed and sampled in 1/83. Four of the six wells showed excessive levels for gross alpha. Process wastes were dumped on site. Superfund listed. Investigation continuing.</p> | 4/83 | Qgt/Trb |
| I-287 | <p>Picheco Residence, Washington Twp., Morris Co.</p> <p>Area is underlain by a mineral zone rich in the radioactive element thorium. Residence's well sampled as a precaution. Sampling results (2/83) for gross alpha and beta did not exceed existing standards. Investigation continuing.</p> | 2/83 | PC |
| I-288 | <p>E.I. DuPont DeNemours, Logan Twp., (Repaupo Plant) Gloucester Co.</p> <p>DuPont manufactures organic chemicals at the site. Waste water is disposed of via unlined trenches into the Delaware River. In addition, a landfill is on site. A ground water monitoring plan has been proposed. Investigation continuing.</p> | 5/83 | Kmr |

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| I-289 | <p>Evor Phillips Leasing Company, Old Bridge Twp., Middlesex Co.</p> <p>Drummed and bulk liquid wastes were illegally disposed of in excavated pits and a ravine. On-site photographic film incineration and silver recovery operation also discharged to the ground. An estimated number of buried drums on site is between 500 and 5000. Although samples never analyzed, waste acids, waste caustics, chlorinated solvents, benzene, toluene, esters, ketones, and ammonia were repeatedly disposed of on site. In 1973 approximately 1,100 drums were removed from the site. Additional remedial work has been initiated. Superfund listed. Investigation continuing.</p> | 12/83 | Qcm/Krob |
| I-290 | <p>Roebing Steel, Florence Twp., Burlington County</p> <p>The site has been used for steel production and wire fabrication since the early 1900's. There are numerous sources of hazardous materials and wastes on site including two inactive unlined sludge lagoons, steel furnace slag, bag house dust, electrical transformers containing PCB, various tanks and drums containing oil and other potentially hazardous substances, and an abandoned landfill. In 1981, approximately 600 drums of oil and contaminated soil were removed. Sludge lagoons were also sampled and were found to contain volatile organics and heavy metals. Superfund listed. An investigation led by EPA is forthcoming. Investigation continuing.</p> | 12/83 | Kmr |
| I-291 | <p>Park Ridge Board of Education Field/Burroughs, Park Ridge, Bergen County</p> <p>Significant amounts of petroleum have been observed entering a storm sewer line in the Park Ridge Board of Education athletic field. The storm sewer line flows into a stream which flows into Woodcliff Reservoir. Domestic underground fuel tanks in the area have been checked. Underground fuel tanks at Burroughs checked for leaks in 5/83. Pressure tests indicated no leaks. In 5/83 a 4-foot deep trench was dug in the athletic field between the two bleachers. Four inches of "black oily gravel" uncovered. Oil was also noted in the drainage pipe. Results of a volatile organic scan indicate presence of residual fuel oil. Sampling of municipal supply wells in area, additional test pits and continued sampling are recommended. Investigation continuing.</p> | 12/83 | Qsd/Trb |
| I-292 | <p>R.H. Development, Rt. 1, West Windsor, Mercer Co.</p> <p>An industrial park in the process of being sold for development had housed various industries with potential for ground water contamination. Ground water samples are to be taken from existing wells. Investigation continuing.</p> | 7/83 | Tht/Trs |

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| I-293 | Carnegie Coating, Unionville, NY Wantage Township, NJ Site located immediately north of NY-NJ border. Drums and other refuse were disposed of in both states. Two lagoons are located on site and used for boiler blowdown discharge. The State of New York has taken the lead in the case. A proposal has been submitted to investigate ground water contamination. Investigation continuing. | 12/83 Omb |
| I-294 | Coal Gasification Plant, Long Branch, Monmouth Co. State-wide record search for sites of former coal gasification plants led to the discovery of this site. Because of the nature and by-products of the coal gasification process a ground water contamination assessment was required by DEP. Investigation is in initial phases. Investigation continuing. | 12/83 Qsd/Qbs |
| I-295 | Lodi/Maywood Radiological Contamination, Lodi, Maywood, Bergen Co. Radiological contamination of ground water in the Maywood/Lodi area has been confirmed by sampling. One Lodi municipal well has been taken out of service. Others are being monitored regularly and are meeting current standards. The suspected source of this contamination is the old Maywood/Stepan Chemical Plant which processed thorium in the early 1900's. The U.S. Department of Energy is planning a cleanup of the site in conjunction with DEP. Investigation continuing. | 12/83 Qgt/Trb |
| I-296 | Mobay Chemical Corp., Bayonne, Hudson Co. Due to sloppy housekeeping practices and some on-site dumping, the ground water has been contaminated. Three monitor wells have been installed and sampled. Chlorobenzene and other organic chemicals have been detected. Investigation continuing. | 8/83 Rf |
| I-297 | Millington Asbestos Dump, Passaic Twp., Morris Co. An asbestos dump was discovered on the Millington site and at sites located northeast of Meyersville. A remedial investigation/feasibility study has been prepared and will be reviewed and evaluated in early 1984. Investigation continuing. | 2/84 Qal/Trb |
| I-298 | Bronner Manufacturing & Tool Co., East Hanover Twp., Morris Co. Citizen complaint of liquid discharge to ground led to an investigation by East Hanover Health Department. Samples of discharge showed high levels of volatile organic chemicals as well as petroleum hydrocarbons. Investigation continuing. | 2/84 Qsd/Trb |

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| I-299 | <p>Atlantic Highlands Coal Gasification Site, Atlantic Highlands, Monmouth Co.</p> <p>This is the site of a coal gas plant which discontinued operation in 1949. Investigation of impact on ground water quality due to this facility is underway. Investigation continuing.</p> | 3/84 |
| | | Q/Kmw |
| I-300 | <p>Paul's Tank Cleaning Service, Hainesport, Burlington Co.</p> <p>This Philadelphia-based company cleans oil tanks in schools and factories, and cleans out ships. The site in Hainesport has been used for waste disposal and storage. An unlined lagoon, and drums are on site, and there is evidence of spills over much of the area. An administrative order has been issued. Investigation continuing.</p> | 6/83 |
| | | Qgu/Kmw |

Landfills (L)

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| L-1 Fenimore Landfill, Roxbury Twp., Morris Co. | 2/75 |
| <p>When visited on 2/75 the operation was described as one of the worst landfill sites in the state. Many violations were in progress. The worst was the fact that they were accepting chemical drums on and in the landfill. Sampling in 1975 showed degradation of Drakes Brook. As of 4/25/77 the disposal site was ordered to cease its operation and submit plans for proper closure. Closure plan submitted 1982. Case closed 1982.</p> | |
| Qsd/Qm/gr,gn | |
| L-2 Ottilio Dump, Newark, Essex Co. | 75 |
| <p>Continual dumping of chemicals and drums into pits that have been excavated to the water table. Area was to be filled in and further dumping prevented. Wastewater from landfill flows into a tributary of the Passaic River. No further action has been taken. Case closed 1978.</p> | |
| Trb | |
| L-3 Price Trucking, Mill Road, Atlantic Co. | 12/72 |
| <p>This landfill (closed 1976) accepted millions of gallons of industrial wastes. The ground water at and downgradient of the site is contaminated. Hydrogeologic studies show that the contamination extends east and southeast of the landfill and threatens the Atlantic City Municipal Utilities Authority well field. Potable well users near landfill were connected to an alternate water supply in 1982. In 1983 and 1984, Superfund monies were used to locate a site for a new Atlantic City well field and for the construction of this well field. Additional Superfund monies (1984) will be used to determine appropriate remedial actions at the landfill and in the affected aquifers. Investigation continuing.</p> | |
| Qbt/Tch | |
| L-4 Helen Kramer Landfill, Mantua Twp., Gloucester Co. | 8/75 |
| <p>This landfill has accepted chemicals and oil which in turn have contaminated the ground water. The oil is flowing into a creek through 200 ft. of virgin ground. Landfill closed. Site is on Superfund priority list. Case in litigation.</p> | |
| Kmw | |
| L-5 Dover Twp. Landfill, Dover Twp., Ocean Co. | 9/75 |
| <p>The landfill received chemical drums at one time. Drums were buried in the Cohansey aquifer. Burying of drums (some containing sodium) may or may not be responsible for ground water pollution in Pleasant Plains. Four monitor wells have been drilled. Case closed 1979.</p> | |
| Tch | |

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| L-6 | Kapkowski Road Landfill, Elizabeth, Union Co. Closed municipal landfill discovered to be leaking oil containing PCB's to a drainage ditch adjacent to the N.J. Turnpike. Monitor wells installed and thick oil found on the ground water. Port Authority, recent purchaser of the property, is designing a system to contain, recover, and treat the oil. Investigation continuing. | 9/82 | Qal/Trb |
| L-7 | Hayden Chemical, Manchester Twp., Ocean Co. This company has been discharging penicillin wastes into a lagoon. Analyses of wells indicate PCB-type compounds and organics. Over the years millions of gallons of liquid have been discharged into the ground. Superfund candidate. Investigation continuing. | 4/73 | Tch |
| L-8 | Lakewood Twp. Landfill, New Hampshire Ave., Lakewood Twp., Ocean Co., It has been reported by the fire warden that several thousand drums have been buried here. No analyses on the ground water have been taken. Late 1980-81, samples were obtained from surrounding homes. No contamination was found. Monitor wells are needed. Enforcement case closed 4/84. Transferred to BGWDP | 72 | Tch |
| L-9 | Prospect Road Site, Lakewood Twp., Ocean Co. A small number of drums have been disposed of on this site. The drums were removed. Case closed 1973. | 73 | Tch |
| L-10 | Ocean County Landfill, Manchester Twp., Ocean Co. This landfill received large amounts of bulk liquids and sludges along with municipal waste. A geohydrologic study performed in 1982 discovered a plume of contamination within site boundaries. Many ground water monitoring wells have been installed to monitor ground water quality. Monitoring | 4/79 | Tch |
| L-11 | Wantage Twp. Landfill, Wantage Twp., Sussex Co. Landfill leachate flows into a cave and resurges at a spring one-half mile away. In 1976, landfill was ordered closed. Case closed 1976. | 75 | Oe |
| L-12 | Baker Chemical, Harmony Twp., Warren Co. Arsenic contamination of ground water from sludge and chemicals. Landfill upgraded and lined. Case closed 1979. | 76 | Qs/Ca |
| L-13 | Baker Chemical, Lopatcong Twp., Warren Co. In the landfill there has been disposal of chemical containers with some liquid and solid wastes. A large capacity public supply well approximately 500 feet away from the site showed organic chemicals. Landfill was upgraded and finally closed in 1982. Case closed 1982. | 76 | Qs/C1 |

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| L-14 Kin Buc, Edison, Middlesex Co. | 75 |
| Chemical dump site filled with drums of liquid chemicals. Millions of gallons were dumped per week. Site closed. Superfund listed. EPA has started decontamination. Investigation continuing. | Q/Kmr |
| L-15 South Brunswick Landfill (Princeton Disposal-BFI), South Brunswick Twp., Middlesex Co. | 75 |
| Chemical drums and liquids were allegedly disposed of at this site. On-site ground water contamination is indicated, but is attributed by BFI to the Spillatore site immediately to the north. A bentonite-mix slurry wall was emplaced around the entire site perimeter. The wall was completed 12/83. A leachate collection trench 7300 feet in length is under construction and is targeted for completion by 6/84. Leachate is presently being discharged into the Stony Brook Regional Sewage Authority via the New Road trunk line. Superfund listed. Decontamination continuing. | Qs/Tr |
| L-16 L&D Landfill, Mt. Holly Twp., Burlington Co. | 74 |
| Leachate contamination of domestic wells. Recovery and treatment of ground water was implemented in 1978, however, system ceased operation soon after its implementation. NJPDES permit soon to be issued. Investigation continuing. | Kmw |
| L-17 J.I.S. Landfill, South Brunswick, Middlesex Co. | 7/75 |
| Synthetic organic chemicals were confirmed in a domestic well adjacent to the landfill in 1975. An investigation confirmed organics originating from the landfill site based on monitor well and other data. The plume has migrated into the adjacent Monroe Twp. Private wells have been replaced by a municipal water system. The investigation and associated litigation have been prolonged. A section of the fill has been lined and a pilot study for ground water decontamination successfully completed. Case is now largely a BGWDP matter. Case in litigation. | Ops/Kmr |
| L-18 Sparta Township Landfill, Sparta, Sussex Co. | 7/76 |
| This landfill has received large amounts of septage. There have been spills into the Paulins Kill. Geophysical mapping of the area indicates severe ground water contamination with the landfill as a likely source. Case inactive. | Qsd/COK |
| L-19 Lipari Landfill, Mantua Township, Gloucester Co. | 6/82 |
| Closed landfill that accepted liquid chemicals. Organics in monitor wells and seeping into Chestnut Branch. A cap and slurry trench cut-off wall have been installed. Superfund Listed. Investigation continuing. | Tch/Tkw |

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| L-20 Jackson Township Landfill, Jackson Township, Ocean Co. | 11/78 |
| <p>This municipal landfill received septage and perhaps other liquids for six years. Nearby home wells became contaminated, and were finally abandoned in favor of a water system to the affected Legler section. There were several phases of well drilling, sampling, geophysical surveys and water sampling involving consultants and DEP. A closure plan was finally received in 9/82. Analyses, drilling and deep-well sampling late in 1982 indicated that the organic plume had dissipated. Enforcement's involvement now minimal. BGWDP has assumed the matter. Closure plans will receive a permit upon approval.</p> | |
| | Tch |
| L-21 Monroe Township Landfill (BFI), Monroe Twp., Middlesex Co. | 7/79 |
| <p>A leachate collection system is in place, surrounding the portion of the landfill (+ 75%) underlain by the Woodbury Clay. This part of the landfill is uncapped. A collection trench collects leachate from atop the Woodbury. Leachate is pumped at a maximum rate of 72,000 gpd (50 gpm) to the Monroe Township MUA, Inwood Estates interceptor. Construction of a connector sewer from the landfill collection system to the outcolt interceptor is planned and has tentative approval of the Monroe Township MUA. The portion of the landfill atop the Magothy Formation has been capped with clay. A geophysical survey conducted 1983 and 1984 indicated a contaminant plume limited to a small area of the Magothy at the NNW perimeter. Repeated sampling indicates no contamination of active potable wells in area. Decontamination on-going.</p> | |
| | Kwb/Kmv/Kmr |
| L-22 Fazio Landfill, Belmar, Camden Co. | 10/79 |
| <p>Landfill is closed. Leachate is seeping into adjacent Big Timber Creek and Beaver Creek. Closure plan includes capping and installing a slurry trench around south and west perimeter. Three monitor wells have been installed. Investigation continuing.</p> | |
| | Kwb |
| L-23 Waste Disposal, Inc., Landfill, Howell Twp., Monmouth Co. | 10/79 |
| <p>Leachate, high in volatile organics, had been seeping into Muddy Ford Brook. On-site monitor wells indicate organic contamination. The stream was relocated and a slurry trench cutoff wall was installed. The landfill is being capped and a leachate collection system is being installed. Collected leachate will be discharged to the Ocean City MUA sewage treatment plant. Enforcement case closed 4/84. Transferred to BGWDP.</p> | |
| | Tkw |
| L-24 Absecon Landfill, Absecon, Atlantic Co. | 9/80 |
| <p>Residents near landfill complained of a "waste problem" in their wells. Bureau of Potable Water sampled four of these wells. None were polluted. The water problem appeared to be the relatively high background iron content in the ground water. Case closed 1981.</p> | |
| | Tch |

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| L-29 Combe Fill Landfill North, Mt. Olive, Morris Co. | 9/78 |
| <p>The landfill had been accepting waste since the 1950's. Extensive ground and surface water sampling has been done. Some contamination was detected in monitoring wells and nearby private wells. The landfill is now abandoned and not closed in an environmentally acceptable manner. A design for proper closure was submitted and approved by the DEP, however, Combe Fill Corp. claimed bankruptcy before its implementation. Superfund listed. Investigation continuing.</p> | Qtm/gn |
| L-30 Vineland State School, Vineland, Cumberland Co. | 8/82 |
| <p>A small abandoned dumpsite on the grounds of the Vineland State School allegedly contains many small containers of mercury and lead-based pesticides. Dumping took place in the 1950's. DEP installed three monitor wells in 8/82. Additional investigation by DEP has identified four nearby dumpsites connected with the facility. More monitor wells and sampling scheduled for 4/84. Superfund listed. Investigation continuing.</p> | Qbt/Tch |
| L-31 Pepe Field, Boonton, Morris Co. | 10/81 |
| <p>This is the location of an old landfill suspected of receiving hazardous wastes including pesticides. The site is currently being used as a recreation park. Meeting was held 1/84 with Township to discuss the site and proposal of the environmental study submitted by company suspected of using the site as a landfill. Superfund listed. Investigation continuing.</p> | gn |
| L-32 M & T Delisa Landfill, Asbury Park, Monmouth Co. | 12/74 |
| <p>The Seaview Square Mall is constructed atop this closed landfill. Four monitor wells installed to determine source of contamination of adjacent Deal Lake Brook. Investigation continuing.</p> | Qcm/Tkw |
| L-33 Sayreville Landfill, Sayreville, Middlesex Co. | 3/75 |
| <p>The closed municipal landfill is suspected of containing drums of chemical wastes. Some drums have been excavated. Monitor wells were sited in 1975. Superfund listed. Investigation continuing.</p> | Kmr |
| L-34 Brick Township Landfill, Brick Twp., Ocean Co. | 11/80 |
| <p>The landfill is now closed. Monitor wells on the adjacent property were sampled in 1980 and high levels of organic chemicals were detected. More recent samples showed only low levels of contamination at the landfill and off site. Additional monitor wells and a clay cap have been recommended. Superfund listed. Transferred to BGWDP as part of closure program.</p> | Tch |

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| L-35 PJP Landfill, Jersey City, Hudson Co. | 1/83 |
| This is a closed landfill. Property ownership is divided between two parties. Subsurface fires are present onsite. The waste types accepted for disposal are unknown. Monitoring well installation and soil sampling has been recommended. Investigation continuing. | |
| | Rf/Qmm |
| L-36 Southern Ocean Landfill, Ocean Twp., Ocean Co. | 5/80 |
| Landfill monitoring wells as well as off-site wells detected low level organic chemicals. This site is being considered for a county landfill. If this site is selected, several environmental improvements will have to be made to comply with state regulations. Investigation continuing. | |
| | Tch |
| L-37 Berkeley Twp. Landfill, Berkeley Twp. (Bayville), Ocean Co. | 5/81 |
| This is a large landfill, now closed. Closure designs including capping monitoring wells and gas venting systems are soon to be submitted. Investigation continuing. | |
| | Tch |
| L-38 Edgeboro Disposal Landfill, East Brunswick, Middlesex Co. | 8/82 |
| This site is a large landfill taking in large quantities and various types of waste. The landfill is leaching into the Raritan and South Rivers. Construction of a cutoff wall, leachate treatment and collection systems are underway. Investigation continuing. | |
| | Kmr |
| L-39 Millville City Landfill, Millville, Cumberland Co. | 6/80 |
| This landfill disposes primarily of household waste products. Large quantities of methane gas migrated from the landfill into adjoining private properties. Some traces of methane were detected in the homes. A forced gas evacuation system has been installed at the site and is working very well. Further methane testing showed only traces of methane in the ground after the gas system had been on line for two weeks. Monitoring. | |
| | Tch |
| L-40 Cinnaminson Landfill, Cinnaminson Twp., Burlington Co. | 6/80 |
| This landfill ceased accepting waste in 1981. Closure designs are now being formulated to close the landfill in an environmentally sound manner. Investigation continuing. | |
| | Kml |

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| L-41 High Point Landfill, Franklin Twp., Warren Co. | 10/82 |
| <p>The landfill has been in operation for approximately 30 years accepting primarily municipal waste. In 1982, a spring downgradient from the site used for potable water was found to be contaminated with volatile organics. Additional landfill monitor wells were installed (bringing the total to six) and sampled. It was concluded that the landfill was the source of the spring contamination. A number of other wells downgradient were sampled in early 1983. No contamination was found. In mid-1983 the landfill was ordered closed. In 9/83 another contaminated well was found downgradient. The state has agreed to take over the cost of an accelerated landfill closure and ground water testing program. Enforcement case closed 4/84.</p> | |
| Transferred to BGWDP. | gn |
| L-42 Green Acres Landfill, Frelinghuysen Twp., Warren Co. | 6/83 |
| <p>A relatively small (15-20 acres), abandoned landfill containing at least 150 empty and crushed drums. A composite sample from several drums containing liquid was tested by the DEP and found to contain organic solvents. An on-site well was sampled and found to be free of priority pollutants. Investigation continuing.</p> | |
| | COK |
| L-43 Price Landfill #2, Atlantic Co. | 12/83 |
| <p>Investigation of ground water conditions at and downgradient of landfill begun 1984. Investigation continuing.</p> | |
| | Qbt/Tch |
| L-44 Price Landfill #3, Atlantic Co. | 12/83 |
| <p>Investigation of ground water conditions at and downgradient of landfill begun 1984. Investigation continuing.</p> | |
| | Qbt/Tch |
| L-45 Price Landfill #4, Atlantic Co. | 12/83 |
| <p>Investigation of ground water conditions at and downgradient of landfill begun 1984. Investigation continuing.</p> | |
| | Qbt/Tch |
| L-46 Duck Island Landfill, Hamilton Twp., Mercer Co. | 5/83 |
| <p>A 35 acre abandoned landfill reported to have accepted waste oil for disposal. Monitor wells scheduled to be installed by 4/84. Investigation continuing.</p> | |
| | Kmr |
| L-47 Sharkey's Landfill, Parsippany-Troy Hills, Morris Co. | 8/83 |
| <p>The site was operated as a municipal landfill from 1945 to 1973. Portions were acquired by the township of Parsippany-Troy Hills in 1973. Approximately 750,000 pounds of solvent wastes were reported to be disposed of at the site between 1962 and 1969. Exact locations of the chemical waste disposal are unknown. Additional chemical wastes from other sources may be present. Superfund listed. Investigation continuing.</p> | |
| | Trb |

L-48 Upper Deerfield Twp. Landfill, Upper Deerfield Twp.,
Cumberland Co.

82

This is a gravel pit used as a sanitary landfill. Files date from 1979. Analysis of three on-site monitor wells and seven neighboring private domestic wells indicated substantial levels of mercury contamination. DEP and the township are working on an administrative consent order by which the area will be supplied with public water. The landfill is to be closed. Additional monitor wells are to be drilled and a ground water investigation is to be conducted. Investigation continuing.

Qbt/Tch

L-49 Busby Brothers Landfill, Voorhees Twp., Camden Co.

4/84

This case deals with possible lead/selenium contamination of the unconsolidated Cohansey Sand aquifer. The Busby Brothers Landfill has been in operation since the early 1970's. The length of operation and history of uncontrolled dumping at this site complicates the analysis for sources of contaminants. Currently additional monitoring well locations are being investigated. Investigation continuing.

Qcm

Septic System (S)

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|-----|--|------|------|
| S-1 | <p>Barry Lakes, Vernon Twp., Sussex Co.</p> <p>Possible ground water pollution from malfunctioning septic systems which are located in glacial clay soils and discharged to fractured gneisses. Hepatitis outbreaks in the last three years may possibly be water-borne. Bowe & Walsh, Inc., recommend sewerage this area in their 201 plan. Eight residents sued Vernon Township to fix or replace malfunctioning septic systems. DEP joined suit against builder as an individual and as a corporation. Alternate septic systems were designed for seven residents but will cost more than \$10,000 each. Primary issue was to alleviate immediate problem of malfunctioning septic systems without expending large sums of money because area will be sewerage in several years. Numerous violations of Chapter 199 standards. Court awarded homeowners \$125,000 but the corporation claimed bankruptcy. Problem now being handled by local health department. Case closed 6/82.</p> | 4/78 | PC |
| S-2 | <p>Fleck and Ayoub, Pohatcong Twp. (Warren Glen), Warren Co.</p> <p>Two septic systems have been overflowing for a period of a year. After a thorough investigation, an alternative system was designed for the two residences. Case closed 1981.</p> | 6/78 | COK |
| S-3 | <p>Berkeley Heights, Union Co.</p> <p>A problem of an overflowing septic systems. A thorough geologic investigation prompted installation of sewers. Case closed 1978.</p> | 3/78 | Trbs |
| S-4 | <p>Barton's Lake, Shamong Twp., Burlington Co.</p> <p>74 unit subdivision has several septic malfunctions and many wells are polluted with N-NO₃. Problem being handled by local health department. Case closed 1982.</p> | 5/81 | Tch |

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| Colonial Pipeline | I-256 |
| Westville Boro. | |
| Texaco | I-75 |
| Woodbury City | |
| Polyrez Company | I-44 |
| <u>Hudson County</u> | |
| Bayonne City | |
| Exxon | I-14 |
| Mobay Chemical Corp. | I-296 |
| Texaco | A-138 |
| Harrison Town | |
| Harrison Baking Co. | A-167 |
| Hoboken City | |
| Conrail Yard | I-214 |
| Hoboken Commercial Residence | I-45 |
| Jersey City | |
| Conrail | I-244 |
| Exxon and Getty Stations | A-53 |
| Garfield Avenue, 800 | I-275 |
| Greenville Yards | I-265 |
| Liberty State Park | A-146 |
| Midwest Emery Freight | A-85 |
| 9th Street, Henderson to Manila | A-212 |
| Pittston Petroleum | I-271 |
| PJP Landfill | L-35 |
| Roosevelt Drive In | I-178 |
| Kearny Town | |
| Conrail, Meadows Yard | I-122 |
| Diamond Shamrock | I-121 |
| Koppers | I-137 |
| Majullian Fuel Co. | A-173 |
| PSE&G | I-49 |
| Standard Chlorine | I-274 |
| Syncon Resins, Inc. | I-185 |
| <u>Hunterdon County</u> | |
| Clinton Town and Township | |
| North Hunterdon Regional High School | A-100 |
| Ramsey Residence | I-252 |
| Sutton Well | I-114 |
| Zektick Residence | A-219 |
| Franklin Township | |
| Meyers Property | I-212 |
| Frenchtown | |
| Plessey | I-17 |
| Kingwood | |
| Derewal Chemical | I-284 |
| Magnesium Elektron | I-1 |
| Lebanon Boro. and Township | |
| Culligan Co. | I-52 |
| Diamond Aerosol | I-251 |

| | Case No. |
|--|----------|
| <u>Hunterdon County (cont.)</u> | |
| Raritan Township | |
| Agway | A-9 |
| Readington Township | |
| Ackerschmit Residence | A-114 |
| Tewksbury Township | |
| Young Residence | I-45 |
| West Amwell Township | |
| West Amwell School/Lehigh Fluid | I-235 |
| <u>Mercer County</u> | |
| East Windsor Township | |
| Conover Stripping | I-278 |
| Ewing Township | |
| Ewing Mobil and Arco | A-139 |
| Homasote Co. | I-74 |
| Temple Har Sinai Site | A-71 |
| Tony's Mobil | A-133 |
| Hamilton Township | |
| Duck Island Landfill | L-46 |
| Hightstown Boro. | |
| Cumberland Farms | A-117 |
| Hopewell Township | |
| Mobil Testing Farm | I-128 |
| Western Electric | I-160 |
| Lawrence Township | |
| Hydrocarbons Research Corp. | I-176 |
| Reed's Sod Farm | I-179 |
| Saturn Chemicals | A-168 |
| Trenton Drum | I-279 |
| Trenton City | |
| Arco, Duck Island | A-20 |
| N25 Housing Project | A-69 |
| Public Service Electric & Gas Co., Mercer Generating Station . | I-131 |
| Trenton Fuel Oil | I-264 |
| Trenton Lehigh Coal & Oil | I-222 |
| Trenton Sewage Treatment Plant | I-168 |
| Upper Freehold Township | |
| Pratt Gabriel Chemical | I-223 |
| West Windsor Township | |
| Princeton Polychrome Press | I-120 |
| RCA | I-201 |
| West Windsor Well Contamination | I-137 |
| Washington Township | |
| Cosden Oil & Chemical Company | I-130 |
| <u>Middlesex County</u> | |
| Carteret Boro. | |
| GATX | A-31 |
| Reichhold Chemical Inc. | I-50 |
| Cranbury Township | |
| Chamberlain Barclay | I-184 |

| <u>Middlesex County (cont.)</u> | Case No. |
|---|----------|
| East Brunswick Township | |
| Anheuser-Busch | A-147 |
| Edgeboro Disposal Landfill | L-38 |
| NJ Turnpike Authority Bldg. | A-145 |
| Weigelia Gardens Well Contamination | A-74 |
| Wilmont St. near Route 18 | A-204 |
| Edison Township | |
| Amerchol Corporation | I-96 |
| City Service | A-41 |
| Jenny Realty Co., Edison Apt. Complex | A-150 |
| Kin Buc | L-14 |
| Revlon Co. | I-133 |
| Stauffer Chemical | I-150 |
| Franklin Township | |
| Exxon | A-132 |
| Helmetta Boro. | |
| General Cigar | A-172 |
| Highland Park Boro. | |
| Highland Park Gasoline Contamination | A-99 |
| Metuchen Boro. | |
| Webcraft | I-247 |
| Middlesex Boro. | |
| Air Products | I-148 |
| Allied Chemical | I-154 |
| Ianero Home | A-113 |
| Inmont Chemical | I-147 |
| Marisol Inc. | I-145 |
| Middlesex Sampling Center | I-127 |
| Reagent Chemical | I-146 |
| Monroe Township | |
| Monroe Municipal Well Contamination | I-36 |
| Monroe Township Landfill | L-21 |
| New Brunswick City | |
| A-Z Chemical Resource Recovery | I-159 |
| Delco-Remy | I-181 |
| Rhone-Poulenc | A-129 |
| SOS (Power Test) Station | A-165 |
| Old Bridge Township | |
| Cheesequake Park | D-42 |
| CPS | I-18 |
| Evor Phillips Leasing Company | I-289 |
| Madison Industries | I-16 |
| Runyon Well Field | A-185 |
| Texaco Station | A-75 |
| Perth Amboy City | |
| Witco | I-263 |
| Piscataway Township | |
| Ambrose Brook Landfill | D-39 |
| Amoco (J&M) | A-197 |
| Arco, C&B | A-206 |
| Kearney Industries | I-93 |
| Lisi America | I-240 |
| Tang Realty (formerly Chem Sol) | I-134 |

| | Case No. |
|--|----------|
| <u>Middlesex County (cont.)</u> | |
| Plainsboro Township | |
| Firmenich | I-283 |
| Sayreville Boro. | |
| Dupont | A-79 |
| Dupont Fabric Division | I-84 |
| Essex Chemical | I-242 |
| IRC | I-13 |
| Sayreville Landfill | L-33 |
| Saytech (formerly Hexcel) | A-30 |
| Valumet Processing of N.J. | A-110 |
| South Brunswick Township | |
| Air Products Corp. | A-28 |
| AMF-Maarck | I-112 |
| BASF | I-23 |
| IBM | I-71 |
| J.I.S. Landfill | L-17 |
| Mideast Aluminum | I-144 |
| Parker Andrews Ind. | I-151 |
| South Brunswick Landfill | L-15 |
| Stauffer Chemical | I-213 |
| Uniroyal (formerly Phelps Dodge) | I-22 |
| South Plainfield Boro. | |
| Hummell Chemical Co. | I-91 |
| Okonite Chemicals | I-97 |
| Ortho Chemicals | I-92 |
| Woodbridge Township | |
| American Cyanamid | I-109 |
| Ashland Chemical | I-62 |
| CP Chemicals | I-136 |
| Hatco Chemical | I-85 |
| Shell Oil | I-15 |
| Tenneco Chemicals | I-63 |
| Tenneco Spill | A-78 |
| <u>Monmouth County</u> | |
| Asbury Park City | |
| M&T Delisa Landfill | L-32 |
| Atlantic Highlands Boro. | |
| Atlantic Highlands Coal Gas Site | I-299 |
| Belmar Boro. | |
| Belmar Municipal Field | I-207 |
| Eatontown Boro. | |
| Old Deal Rd. | A-7 |
| Freehold Boro. and Township | |
| Lone Pine Landfill | D-14 |
| Mobil Station | A-122 |
| Nestle Company | I-192 |
| Hazlet Township | |
| Chevron | A-109 |
| Emil's Gulf | A-106 |

| | Case No. |
|--|----------|
| <u>Monmouth County (cont.)</u> | |
| Howell Township | |
| Bog Creek Farm | D-13 |
| Candlewood Exxon | A-105 |
| Chemed | I-8 |
| Emil A. Schroth, Inc. | I-206 |
| Hulses Rd. (abandoned gas station) | A-107 |
| Kartashev Residence | A-18 |
| R. P. Profiles | A-35 |
| Schildknecht Residence | A-180 |
| Waste Disposal Inc. Landfill | L-23 |
| Keyport Boro. | |
| Elastomers Ltd. | I-80 |
| Keyport | D-8 |
| Little Silver Boro. | |
| Little Silver Cleaners | D-20 |
| Long Branch City | |
| Coal Gasification Plant | I-294 |
| Manalapan Township | |
| Comtron, Inc. | I-278 |
| Crown Central Petroleum | A-227 |
| Lectro Products | I-105 |
| Marlboro Township | |
| Burnt Fly Bog-Manzo Construction | D-16 |
| Exxon | A-108 |
| Ida Residence | A-181 |
| Imperial Oil | I-129 |
| Storer Dump Site | D-38 |
| Middletown Township | |
| Gulf | A-1 |
| Hess Oil | A-12 |
| Millstone Township | |
| Prodelin | I-243 |
| Neptune City and Township | |
| Amoco | A-19 |
| Rumson Boro. | |
| Coe Residence | A-143 |
| Shrewsbury Boro. | |
| New Jersey Bell | A-104 |
| Tinton Falls Boro. | |
| Mazel Chemical Company | I-194 |
| Metallurgical Industries, Inc. | I-117 |
| Union Beach Boro. | |
| International Flavors & Fragrances (IFF) | I-59 |
| Upper Freehold Township | |
| Friedman Property | D-32 |
| Jones Farm | D-23 |
| Wall Township | |
| Monitor Devices | I-78 |
| Plasti-Clad Metal Products | I-197 |
| Standard Keil | I-274 |
| Waldwick Aerospace Devices | D-28 |

| | Case No. |
|---|----------|
| <u>Monmouth County (cont.)</u> | |
| <u>West Long Branch Boro.</u> | |
| Texaco | A-49 |
| <u>Morris County</u> | |
| <u>Boonton Town and Township</u> | |
| ARC-Cessna Company | I-67 |
| Drew Chemical | I-249 |
| Exxon Station | A-116 |
| Jersey Plating | I-250 |
| Johanson Mfg. Co. | I-141 |
| Marotta Scientific Controls | I-158 |
| Pacific Vegetable Oil (PVO) | I-241 |
| Pepe Field | L-31 |
| Rockaway Valley Methodist Church | A-93 |
| RFL Inc. | I-68 |
| <u>Chester Boro. and Township</u> | |
| Combe Fill Landfill South | L-28 |
| Simmonds Precision/Cooperative Industries | A-191 |
| <u>Dover Town</u> | |
| Dover Christian Nursing Home | A-90 |
| Dover Municipal Well, Hooey Street | A-163 |
| Howmet (Alloy) | I-210 |
| Howmet (Austenal) | I-211 |
| New Jersey Natural Gas | I-90 |
| Steve's Getty | A-156 |
| <u>East Hanover Township</u> | |
| Bronner Manufacturing and Tool Co. | I-298 |
| Chemical Components | I-239 |
| Dorine Industrial Park | I-163 |
| Royal Lubricants | I-162 |
| Weiss-Aug | I-262 |
| <u>Hanover Township</u> | |
| Bell Labs | I-123 |
| Boonton Electronics | I-172 |
| Colloid Chemical | I-69 |
| Whippany Paperboard Company | I-280 |
| <u>Harding Township</u> | |
| Mohawk Oil (Sunoco) | A-17 |
| <u>Hopatcong Boro.</u> | |
| Rozman's Residence | A-161 |
| <u>Jefferson Township</u> | |
| Bacskor Residence | A-67 |
| <u>Mine Hill Township</u> | |
| Mine Hill | I-32 |
| <u>Montville Township</u> | |
| Penick Corporation | I-161 |
| <u>Morris Plains Boro.</u> | |
| Airtron | I-230 |
| <u>Morristown Town</u> | |
| Allied Chemical | I-28 |
| Amoco | A-22 |

| <u>Morris County (cont.)</u> | Case No. |
|--|----------|
| Mount Arlington | |
| Exxon Station | A-18 |
| Mount Olive Township | |
| Carlucci-Vacaro Drive | A-92 |
| Combe Fill Landfill North | L-29 |
| Lopez Residence | A-61 |
| Parsippany-Troy Hills Township | |
| Ballantine Laboratories, Inc. | I-220 |
| Boonton Electronics | I-171 |
| Norda | I-152 |
| Sharkey's Landfill | L-47 |
| Shell Station | A-153 |
| Synthatron Corp. | I-229 |
| Passaic Township | |
| Esposito Residence | A-201 |
| Millington Asbestos Dump | I-297 |
| Randolph Township | |
| Jolan Residence | A-183 |
| Mount Freedom Domestic Well | A-64 |
| Riverdale Boro. | |
| Petracca Landfill | D-27 |
| Rockaway Boro. and Township | |
| Garden State Transit | I-209 |
| Gulf Lake Telemark | A-171 |
| Jerry Jones Mack | A-151 |
| Rockaway Boro. and Township | |
| Picatinny Arsenal | I-125 |
| Radiation Technology | I-126 |
| Rockaway Borough Municipal Well(s) | A-162 |
| Rockaway Township Well Field | A-155 |
| Shell Station | A-152 |
| Roxbury Township | |
| Fenimore Landfill | L-1 |
| Haar, Alpine Drive | A-68 |
| Hercules Inc. | I-260 |
| Ledgewood Baptist Church | I-225 |
| Northwood | A-48 |
| Stanhope Boro. | |
| Dynapac | I-237 |
| Washington Township | |
| Cooke Color & Chemical | I-226 |
| Cooper Chemical | I-39 |
| Picheo Residence | I-287 |
| Sunoco (Fairmount) | A-205 |
| Wharton Boro. | |
| L. E. Carpenter | I-57 |
| Thatcher Glass | I-42 |
| Whippany | |
| Mobil Station (Ray's Petroleum) | A-186 |

Ocean County

| | |
|---|-------|
| Beachwood Boro. | |
| Beachwood Residential Well Lead Contamination | A-111 |
| Berkeley Township | |
| Beachwood Plaza | D-2 |
| Berkeley Residential Well Lead Contamination | A-112 |
| Berkeley Township Landfill | L-37 |
| Denzer and Schaeffer | I-138 |
| Ocean County Central Regional High School | A-149 |
| Pine Wall Nursing Home | I-12 |
| Brick Township | |
| Brick Township Landfill | L-34 |
| Dover Township | |
| Ciba-Geigy (formerly TRC) | I-89 |
| Dover Township Landfill | L-5 |
| Holiday City | A-216 |
| Kraemar's Sunoco | A-54 |
| Pleasant Plains (Reich Property) | D-1 |
| Silverton Domestic Well Contamination | A-176 |
| Jackson Township | |
| Great Adventure | I-51 |
| Jackson Gravel Pit | D-29 |
| Jackson Township | D-4 |
| Jackson Township (Pleasant Plains) | D-5 |
| Jackson Township Landfill | L-20 |
| Wickham Property | D-19 |
| Lacey Township | |
| N.J. State Game Preserve | I-200 |
| Lakehurst Boro. | |
| Naval Air Engineering Center (NAEC) | A-40 |
| Lakewood Township | |
| Fluid Chemical | I-29 |
| Hess Oil | A-10 |
| Lakewood Township Landfill, New Hampshire Ave. | L-8 |
| Prospect Road Site | L-9 |
| Wheaton Plastics | I-165 |
| Lavellette Boro. | |
| Dover Sewer Authority | A-4 |
| Little Egg Harbor Township | |
| Cumberland Farms | A-160 |
| Little Egg Harbor Twp. Municipal Building | A-210 |
| Manchester Township | |
| Allyn Manufacturing | I-115 |
| Hayden Chemical | L-7 |
| Ocean Landfill Corp. | L-10 |
| Ocean Township | |
| Hoesch Residence | A-189 |
| Southern Ocean Landfill | L-36 |
| Plumstead Township | |
| Goose Farm | D-36 |
| Hopkins Farm | D-30 |
| Pijak Farm | D-35 |
| Spence Farm | D-31 |

| | Case No. |
|---|----------|
| <u>Ocean County (cont.)</u> | |
| <u>Stafford Township</u> | |
| Manahawkin Chrysler-Plymouth | I-198 |
| Manahawkin Private Wells | A-13 |
| New Jersey Bell | A-195 |
| <u>Passaic County</u> | |
| <u>Clifton City</u> | |
| Chevron | A-76 |
| Garden State Parkway & Route 46 | A-217 |
| Givaudan Corp, 125 Delaware Ave: | I-282 |
| Min Wax | A-23 |
| Swepeco Tube | I-43 |
| <u>Haledon Boro:</u> | |
| Mobay Chemical Corp: | I-216 |
| <u>Hawthorne Boro.</u> | |
| Calgon | I-66 |
| Hawthorne Municipal Wells | I-55 |
| Immont | I-147 |
| Shell | A-33 |
| <u>Passaic City</u> | |
| Coastal Oil Co: | A-24 |
| <u>Paterson City</u> | |
| Sunoco | A-222 |
| <u>Pompton Lakes Boro.</u> | |
| E. I. Dupont | I-188 |
| Texaco | A-46 |
| <u>Ringwood Boro:</u> | |
| Ringwood Mines Landfill | D-41 |
| <u>Wanaque Boro:</u> | |
| Lakeland Regional High School | A-5 |
| Mobil Station | A-118 |
| <u>Wayne Township</u> | |
| French Hill Inn | A-218 |
| W: R: Grace | I-286 |
| <u>West Paterson Boro:</u> | |
| West Paterson, Memorial Drive Lot | D-44 |
| <u>Salem County</u> | |
| <u>Elmer Boro.</u> | |
| Mancus Residence | A-141 |
| <u>Oldmans Township</u> | |
| BFI, Pedricktown | I-142 |
| NL Industries | I-20 |
| <u>Pennsville Township</u> | |
| Dupont Chambers Works | I-10 |
| <u>Pittsgrove Township</u> | |
| Vineland Foods | I-155 |
| <u>Salem City</u> | |
| Salem Radiological Contamination | A-185 |
| <u>Vineland City</u> | |
| Amoco and Citgo Stations | A-87 |

| | Case No. |
|---|----------|
| <u>Somerset County</u> | |
| Bedminster Township | |
| Dunn Walke Farm | A-97 |
| Bernardsville Boro. | |
| Exxon Station | A-123 |
| Bound Brook Boro. | |
| American Cyanamid | I-47 |
| American Cyanamid Spill | A-65 |
| Blue Spruce | I-108 |
| Getty Oil Pipeline | A-32 |
| Jamie Fine Chemicals | I-180 |
| National Metal Finishers | I-175 |
| Branchburg Township | |
| Bowen Engineering | I-245 |
| Taylor Forge | I-153 |
| Bridgewater Township | |
| Fisher Scientific Co. | I-38 |
| Getty Pipeline Break | A-42 |
| Getty Station | A-135 |
| Phoenix Steel Container (Prospect Industries) | A-193 |
| Staikaponlas Residence | A-94 |
| Franklin Township | |
| AircO | I-230 |
| Chevron | A-178 |
| Franklin Township Maintenance Yard | A-203 |
| Queensquare Condominium | A-230 |
| Rubin Home | A-14 |
| W. A. Cleary & Co. | I-102 |
| Green Brook Township | |
| Power Test Gasoline | A-52 |
| Hillsborough Township | |
| Flagtown Spill | A-200 |
| Hillsborough Road Maintenance Yard | I-224 |
| Krysowaty Farm | D-37 |
| Stein Well | A-29 |
| Texaco Station | A-187 |
| Montgomery Township | |
| Montgomery Township Well Contamination | I-233 |
| Princeton Airport | I-270 |
| Raritan Boro. | |
| Conrail Facility | I-143 |
| Rocky Hill Boro. | |
| Rocky Hill Municipal Well | I-236 |
| Somerville Boro. | |
| Dave's Texaco | A-131 |
| Ethicon (Johnson & Johnson) | A-213 |
| Hess Gas Station | A-229 |
| Warren Township | |
| Horman Residence, Arrighi Drive | A-16 |
| Washington Valley Auto | A-228 |

| | Case No. |
|---|----------|
| <u>Sussex County</u> | |
| Andover Boro. | |
| Mycalex Facility | I-266 |
| Franklin Boro. | |
| Aerosystems Technology | I-113 |
| Bischak Site | D-26 |
| Cellate | I-5 |
| Franklin Borough Spill | A-170 |
| Metaltec | I-6 |
| Northern Fine Chemical | A-100 |
| Serin Site | D-25 |
| Hamburg Boro. | |
| Accurate Forming | I-27 |
| Ames Rubber | I-255 |
| Hardyston Township | |
| Mobil Station | A-55 |
| Hopatcong Boro. | |
| Adelphi Drive Well Contamination | A-8 |
| Brooklyn Mt. Rd. | A-47 |
| Chevron Gas Station | A-192 |
| Chiarella Residence | A-66 |
| Gibson Residence, West End Avenue | A-73 |
| Lafayette Township | |
| Lafayette DOT Maintenance Yard | A-62 |
| Sparta Township | |
| A. O. Polymer | D-17 |
| Sparta Sand and Gravel | I-21 |
| Sparta Township Landfill | L-18 |
| Vernon Township | |
| Barrier Chemical | D-9 |
| Barry Lakes | S-1 |
| Wantage Township | |
| Carnegie Coating | I-293 |
| Wantage Township Landfill | L-11 |
| <u>Union County</u> | |
| Berkeley Heights Township | |
| Berkeley Heights | S-3 |
| Millmaster Onyx | I-268 |
| Elizabeth City | |
| Conrail E-Port | I-164 |
| Kapkowski Road Landfill | L-6 |
| Hillside Township | |
| Getty Service Station | A-63 |
| Kenilworth Boro. | |
| Breeze Corp. | A-208 |
| Linden City | |
| Exxon Refinery (Bayway) | A-115 |
| GAF Corporation | I-227 |
| Gen-Tech | A-202 |
| Linden Chlorine | I-132 |
| Solvents Recovery Service | I-135 |

| | Case No. |
|---------------------------------------|----------|
| <u>Union County (cont.)</u> | |
| Rahway City | |
| Republic Wire Co. | I-64 |
| Scotch Plains Township | |
| Blue Star Exxon | A-43 |
| <u>Warren County</u> | |
| Belvidere Town | |
| Hoffman LaRoche | I-3 |
| Penn Gasoline Station | A-59 |
| X-Cell Co. | I-2 |
| Franklin Township | |
| Apex Plating | I-61 |
| High Point Landfill | L-41 |
| Frelinghuysen Township | |
| Exxon Station | A-91 |
| Green Acres Landfill | L-42 |
| Harmony Township | |
| Baker Chemical | L-12 |
| Independence Township | |
| Independence Township | D-7 |
| Southland Corp. (Great Meadows) | I-238 |
| Lopatcong Township | |
| Baker Chemical | L-13 |
| Bell & Howell Company | I-202 |
| Mansfield Township | |
| Hillcrest Homes | I-228 |
| Phillipsburg Town | |
| Fasco | I-139 |
| Ingersol Rand | A-6 |
| Pohatcong Township | |
| Fleck and Ayoub | S-2 |
| Washington Boro. | |
| New Jersey Water Company | I-60 |
| Washington Township | |
| Allen Domestic Well | A-175 |
| Getty Pipe | A-63 |
| White Township | |
| Cramer Plating | I-177 |
| Exxon Station | A-164 |
| Oxford | I-31 |

PLATE 1: LOCATIONS OF ACCIDENTAL [A] GROUND WATER POLLUTION CASES

EXPLANATION

+ ACCIDENTAL [A]



PLATE 2: LOCATIONS OF ILLEGAL DUMPING [D] AND LANDFILL [L]
GROUND WATER POLLUTION CASES

EXPLANATION

- ILLEGAL DUMPING [D]
- ◇ LANDFILL [L]



PLATE 3: LOCATIONS OF INDUSTRIAL [I] AND SEPTIC SYSTEM [S] GROUND WATER POLLUTION CASES

EXPLANATION

- ▼ INDUSTRIAL [I]
- * SEPTIC SYSTEM [S]



