

TIMELINE

- 1952 – Production operations at the Site began in late 1952. At the time, the Site was owned by the Toms River Chemical Company, which was later merged into the Ciba-Geigy Corporation. (2018 EPA 4th 5year Ciba)
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- 1970 – 1981 -Site was jointly owned by Ciba-Geigy and Sandoz Corporation. (2018 EPA 4th 5year Ciba)
- 1971 – April 22, 1971 First Earth Day. NJS Legislature creates the NJDEP
- 1971 – Nixon creates the Environmental Protection Agency (EPA)
- 1971 -- EPA first visit to Toms River Chemical (Fagin, p 106)
- 1972 – July 13, 1972 Federal Grand Jury indicts TR Chemical 206 violation of the Refuse Act; all counts found guilty. (Fagin, p. 107)
- 1972 – October 18, 1972 Nixon creates the Clean Water Act
- 1974 – October 31, 1974, Ciba-Geigy received an EPA permit authorizing the discharge of pollutants to the Toms River and to the Atlantic Ocean via a pipeline. (1985 Ciba NJPDES, p. 1)
- 1976 – March 1, 1976 Ciba-Geigy operates its WWTP issued to Toms River Corp. NJPDES Permit No. J0004120 (1985 Ciba NJPDES, page 14)
- 1977 – October 11, 1977 NJ DEP permit for hazardous and polluted wastes in Landfill (2007 DEP Complaint)
- 1978 – C1 Landfill opens; (Fagin, pps. 174-79 check) 1979 – DEP inspectors document leaks for years
- 1979 – December 19, 1979 DEP gave 10-year Landfill Approval for dry waste (2007 DEP Complaint, p. 8)
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- 1981 -- March 12, 1981 DEP Closes Landfill C1 Consent order; gives permission to open C2 w/conditions (2007 DEP Complaint, p. 8)
- 1981 – Sandoz transferred all interest to Ciba-Geigy. (2018 EPA 4th 5year Ciba)
- 1982 – C2 condition is to use a lined landfill (Fagin, p. 108)
- 1983 -- The Contaminated Site was placed on the National Priorities List in 1983 as an Environmental Protection Agency (“EPA”)-lead Superfund site. (2022 DEP Settlement)
- 1983 – DEP provided notice to CIBA not to import wastes (Fagin, p. 142)
- 1983 – April 1983 CG permit for a pipe to the Atlantic Ocean near Ortley Beach broke inland (Fagin, p. 178)
- 1983 -- EPA investigates OU2 source
- 1984 -- DEP investigates C2 found ground water & pollution (2007 DEP Complaint, p. 9)

- 1985 -- April 25, 1985 DEP Admin Consent Order (ACO) to remove all waste from C2, penalty and cost to DEP (2007 DEP Complaint, p. 9)
- 1985 -- On May 8, 1985, Ciba-Geigy Corporation received a New Jersey Pollutant Discharge Elimination System (NJPDES) permit to discharge treated wastewater or effluent into the Atlantic Ocean, and cooling water, storm runoff, and the backwash from the cooling water Intake into the Toms River. The permit took effect on July 1, 1985, and will expire on June 30, 1990. (The Ciba-Geigy Discharge Permit, p. 1)
- 1985 -- EPA assumes primary responsibility for all other than C1. Two phases OU1 groundwater contamination; and OU2 onsite sources of groundwater contamination in soil. (2007 DEP Complaint, p. 9)
- 1985 -- January 1985 to February 1988 -- EPA remedial investigation and feasibility study OU1 in soils and groundwater, surface water and sediments of the Toms River, sediments in the marshlands, found arsenic, benzene, chromium, trichloroethylene and toluene.
- 1989 -- April 1989 EPA has a ROD for OU1 w/DEP to Extract and treat groundwater and discharge to the Toms River; Evaluate the lower aquifer; Monitor the Toms River; Sealing the contaminated resident wells; Characterize source area and remediate (2007 DEP Complaint, p. 10)
- 1989 -- Civil Action No. 93-4675, which governs the implementation of the April 1989 Record of Decision (ROD) (2022 DEP Settlement)
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- 1991 -- EPA sealed all contaminated residents' wells in OU1 (2007 DEP Complaint, p. 11)
- 1992 -- February 1992 DEP signs another AOC for CIBA to install a new cap at C1, monitor leachate from C1, excavate and properly dispose of all contents of C2, pay penalty and DEP expenses (2007 DEP Complaint, p. 11)
- 1993 -- BASF has been remediating discharges at the Contaminated Site per the first EPA Consent Decree entered December 1, 1993 (as corrected on June 13, 1994) (2022 DEP Settlement, page 2, line 6) (mistake?) (2018 EPA 4th Review CGCC p. 6-7)
- 1993 -- Toms River Township - The deed restriction for the property to ensure future land use, consistent with the OU2 ROD, is expected to be implemented **in the future**. In preparation of the deed restrictions, in 2013, the Township subdivided the property into three lots with Block 411, lot 6.01, 6.02 and 6.03. (2018 EPA 4th Review p. 9)
- 1993 -- September 1993 EPA files an Explanation of Significant Differences w/DEP to modify the April 1989 ROD that treated water discharge onsite and not to the Toms River. EPA has a consent decree on C1 for CIBA to find revised

- groundwater remedy and satisfy EPA's unreimbursed response costs. (2007 DEP Complaint, p. 12)
- 1994 – EPA completed OU2 investigation and cleanup of hazardous and polluted soil areas
- 1995 – EPA creates another Administrative Order on Consent for CIBA to perform forestry study and evaluate remediation alternatives
- 1996 – EPA begins operating the Onsite WTP treats 2 MGD of waste (2007 DEP Complaint, p. 11)
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- 2000 – July 26, 2000 Manchester Township Resolution #00-241 (Save Barnegat Bay Tickler file)
- 2000 – Civil Action No. 01-4223, which governs the implementation of the EPA September 2000 ROD. (2022 DEP Settlement)
- 2000 – September 29, 2000 EPA "September 2000 ROD" for OU-2 (2022 DEP Settlement, p. 12 and 2018 EPA 4th Review CGCC p. 9)
- 2001 – EPA Consent Decree CBS to implement OU2 remedy under EPA oversight (2022 DEP Settlement, p. 13)
- 2002 – Second Consent Decree entered March 21, 2002, in Civil Action No. 01-4223 governs the implementation of the September 2000 ROD. (2022 DEP Settlement)
- 2003 – October 8, 2003 Dover Twp, now Toms River in Superior Court OC v Novartis and Ciba OCN-L-2884-03 pending (2022 DEP Settlement, p. 13)
- 2003 – December 2003 to November 2004 CIBA removed 47,000 drums from stacked drum disposal area (2022 DEP Settlement, p. 13)
- 2004 – January 25, 2004 DEP withdraws as involuntary plaintiff from TR case above. (2022 DEP Settlement, p. 13)
- 2004 – July 2004 CIBA treated contaminated soils (2022 DEP Settlement, p. 13)
- 2005 – March 2005 CIBA treated 25,200 cu yds, (of the 150,000 cy) will continue to 2008 (2022 DEP Settlement, p. 13)
- 2007 – May 25, 2007 Manchester property, originally part of Ciba Geigy, purchased as Green Acres (Block 1/ Lot 6) preserved. (2007 Ocean Count Property Records – Green Acres ~72 acres (attached))
- 2007 – DEP discovered CIBA disposed hazardous groundwater and pollution in C2 contribution to deterioration of the C2 liner
- 2007 – June 28, 2007 NJ DEP files Civil Action Complaint v CIBA Specialty and Novartis (2007 DEP Complaint, p. 14 – what is the number?)
- 2007 -- DEP designated site as Site Remediation Program Interest No 009044 but cannot find (2007 DEP complaint)
- 2008 – Ciba Geigy was purchased by BASF and all remedial activities are currently BASF's responsibility. (2018 EPA 4th 5 year Ciba)

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2011 – LTMP Annual Monitoring reports as reported in the 2018 EPA report: (2018 EPA, p. 11)

2014 – EPA report 2018: (2018 EPA p. 13)

2017 – NJDEP Land Use Permit to CIBA wells research (2017 NJ Land Use Permit Remedial Action Protectiveness Wells, p. 1)

2018 – May 7, 2018 EPA Fourth [Five-Year Review Report](#) For Ciba-Geigy Chemical Corporation Superfund Site, Ocean County, New Jersey (2018 EPA 4th Review CGCC) (2018 EPA, p. 5)

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-As of the 2018 report - Recommendation: BASF, NJDEP and the Township of Toms River need to complete the deed restrictions. (2018 EPA, p. 18)

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2020 – On July 27, 2020, the DEP approved a revised classification exception area (“CEA”) for the Contaminated Site, which notes the extent, estimated duration, and contaminants of concern present in ground water at the Contaminated Site. (2022 DEP Settlement)

2021 – In March 2001, the State of New Jersey completed a Public Health Assessment that, among other things, determined that ground water at the Contaminated Site was contained, and that other public health exposure pathways had been interrupted. (2022 DEP Settlement)

2021 – August 31, 2021 Permit NJ0105244 / PI 46207 to BASF CORP – Sewer Service Area: Ciba Corp, 14.96 acres

2022 – Dec 5 DEP NRD [Settlement](#) Announced, public comments due Jan 6 - [Notice](#) (2022 DEP Settlement)

2023 – Feb 6 date that public comments extended (2022 DEP Settlement)

Attached

- [1985 Ciba Geigy NJDPES permit to Discharge to Atlantic Ocean](#)
- [2007 property sale to Manchester as Green Acres](#)
- [2009 BASF purchase property from Ciba](#)
- [2017 Ciba Land Use Permit well area review](#)
- [2018 EPA 4th Five-year Review of Superfund Site](#)
- 2022 Draft [Settlement Agreement](#) from NJDEP
- [2017 DEP complaint no number](#)