

**UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF FLORIDA**

Case No. 12-24400-FAM

UNITED STATES OF AMERICA,
STATE OF FLORIDA, and STATE OF
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION,

Plaintiffs,

v.

MIAMI-DADE COUNTY, FLORIDA,

Defendant.

BISCAYNE BAY WATERKEEPER, Inc.,
a Florida not for profit corporation, and
JUDI KOSLEN, a Key Biscayne, Florida
Resident,

Proposed Plaintiffs-Intervenors.

**COMPLAINT IN INTERVENTION
Statutory Intervention Pursuant to Section 505 of the Clean Water Act**

COMMON ALLEGATIONS

Preliminary Statement

1. Miami-Dade County, through its Water and Sewer Department (WASD), was ordered by two Consent Decrees entered by this Court in 1994 and 1995 to operate the County's sewage collection and transmission system in a manner that avoids discharges of untreated, raw sewage into public waters. Over the 18 years since entry of the Consent Decrees, both of which

remain pending, the County and its WASD have failed to achieve and maintain compliance with the requirements of the Consent Decrees and the Clean Water Act ("CWA" or the "Act")..

2. Repeated, regular and polluting discharges of raw sewage have occurred in the past five years, defiling the waters of the United States, including the Miami River, Biscayne Bay and the near shore Atlantic Ocean, all in clear violation of the CWA and the Consent Decrees. The County has failed to take "all steps necessary," as ordered by this Court in the two Consent Decrees, to avoid unpermitted discharges of raw sewage.

3. This Complaint in Intervention seeks an order from this Court declaring the County to be in violation of the existing Consent Decrees and enjoining future violations of the CWA together with other related relief. In addition, this Complaint seeks to alert the Court to Plaintiff-Intervenors' objections to a consent decree that has allegedly been negotiated between the County, the State of Florida and the federal Environmental Protection Agency ("EPA") that may soon be filed with this Court, which Plaintiff-Intervenors' contend is facially ineffective, unfair, unreasonable and not in the public interest.

4. This Complaint in Intervention is brought as a matter of right under Section 505(b)(1)(B) of the CWA, 33 U.S.C. § 1365(b)(1)(B), by the Biscayne Bay Waterkeeper, Inc., a Florida not-for-profit organization ("BBWK" or "Waterkeeper"), and Judi Koslen ("Koslen"), a Key Biscayne resident.

5. The initial federal enforcement Complaint was filed on June 10, 1993, by the United States against Miami-Dade County (Case No. 93-1109-CIV-Moreno). This EPA enforcement case was filed on December 13, 2012, the fifty-ninth day after a sixty day Notice of Intent to Sue letter was sent by Waterkeeper and Koslen under the citizens' suit provision of the CWA.

6. Miami-Dade County's sewage collection, transmission and treatment system is currently managed by Miami-Dade County, its Mayor, and Board of County Commissioners (the "County") and the County's Water and Sewer Department ("WASD"). The County, operating by and through its elected officials, and WASD, is the governmental body responsible for ownership and operation of the sewage collection and transmission system within the County.

7. For at least the past five-years and continuing to the present day, the County has discharged raw, untreated sewage into the waters of the United States and the State of Florida, including Biscayne Bay, the Intracoastal Waterway, the Atlantic Ocean, and other surface waters, as well as onto public and private property (*e.g.*, public streets, yards, parking lots, etc.) from over two-hundred and sixty (260) sewage overflows. (*See* "Miami-Dade SSOs from 24-hour emails," attached hereto as Exhibit 1 identifying Sanitary Sewer Overflow events between January 8, 2006, and June 4, 2012. *See* also Exhibit 1A identifying Sanitary Sewer Overflow events between June 2012 and February 12, 2013.

8. Sewage is meant to be collected and transported into publicly-owned treatment works ("POTW") for sanitary treatment and disposal. The unintentional and unpermitted discharge of raw sewage is referred to as a Sanitary Sewer Overflow ("SSO"). SSOs are typically caused by breaks, blockages or system overloads. SSOs can also result from deteriorating sewer systems worsened by improper installations and the lack of proper operation and maintenance.

9. EPA acknowledges that SSOs cause contamination and can lead to serious water quality problems. *See* EPA Guidance Document, "Sanitary Sewer Overflows and Peak Flows," at http://cfpub.epa.gov/npdes/home.cfm?program_id=4. Because SSOs contain raw sewage they can carry bacteria, viruses, protozoa (parasitic organisms), helminthes (intestinal worms), and

inhaled molds and fungi. The diseases SSOs may cause range in severity from mild gastroenteritis (causing stomach cramps and diarrhea) to life-threatening ailments such as cholera, dysentery, infections hepatitis, and severe gastroenteritis. Pollutants present in SSOs include microbial pathogens, suspended solids, toxics, nutrients, floatables, and trash. Unsurprisingly, SSO discharges are illegal.

10. The 1993 federal enforcement case was initiated by the United States against the County after numerous serious SSO incidents. For example, in 1987 a force main rupture spewed ten million gallons of untreated wastewater into the Miami River. RiverFest had to be cancelled. According to the EPA, years of underfunding the sewage system resulted in over 2,200 raw waste spills into streets and waterways in the County between 1985 and 1994, posing a serious threat to both public health and the environment.

11. The United States' 1993 Complaint against the County culminated in a First Partial Consent Decree dated January 13, 1994, and entered by this Court on January 18, 1994, (Civ-93-1109-Moreno, DE 36), and the Second and Final Partial Consent Decree dated April 17, 1995, and entered by this Court on September 12, 1995 (Civ-93-1109-Moreno, DE 118). The Consent Decrees focused on achieving system upgrades and improvements to repair deterioration of the system so as to avoid future SSOs, among other things.

12. The County funded capital projects under the 1994 and 1995 Consent Decrees but then, rather than continue necessary funding to ensure the County's sewage collection, transmission and treatment system functioned appropriately, the County continually raided the WASD budget transferring over \$200,000,000 (Two Hundred Million Dollars) to the County's general revenue fund to accomplish other objectives. *See* Affidavit of Dr. Michael Kavanaugh, attached as Exhibit 2, ¶ 7.

13. On information and belief, as a result of these large withdrawals of WASD revenues by the County, the WASD was unable to maintain its compliance with the Clean Water Act and its National Pollutant Discharge Elimination System (“NPDES”) permits and, consequently, its level of service declined into a violation status.

14. Notwithstanding the 1994 and 1995 Consent Decrees and certain system upgrades undertaken as a result, the County’s sewer system remains today, as it was when the 1993 federal enforcement case was filed, in an unacceptable and dangerous condition resulting in repeated unpermitted SSOs and NPDES permit exceedances, all in violation of the Consent Decrees, Sections 301 and 402 of the CWA, 33 U.S.C. §§ 1311 & 1342, *inter alia*, and the County’s NPDES permits, as set forth more fully below.

15. Altogether, more than forty-seven million gallons of untreated human sewage has been illegally discharged into Miami-Dade County waterways and streets between 2009 and 2011. *See* Rabin, Charles and Morgan, Curtis, “Miami-Dade's leaky pipes: More than 47 million gallons of waste spilled in past two years,” *The Miami Herald*, May 14, 2012, <http://www.miamiherald.com/2012/05/14/2799249/miami-dades-leaky-pipes-more-than.html> (hereinafter, “Rabin & Morgan, *Miami-Dade’s Leaky Pipes*”). In just one example, in October 2011, malfunctions at the Central District Wastewater Treatment Plant on Virginia Key spilled millions of gallons of partially-treated sewage into coastal waters resulting in no-swimming advisories along miles of County beaches.

16. In paragraph 8 of both the 1994 and 1995 Consent Decrees, the County agreed to “take all steps necessary to minimize further unpermitted discharges of untreated wastewater containing raw sewage to local surface waters...” Since entry of the Consent Decrees, and notwithstanding *purported* EPA oversight, the County has failed to comply with this obligation

under the two Consent Decrees, which remain lawful orders of this Court. The County has not taken “all steps” necessary as is evidenced by repeated and continued SSOs.

17. Because the County removed over \$200 million in funds needed for operation and maintenance from WASD, the County’s sewage collection and transmission system fell into such a state of disrepair that the Director of WASD recently stated publicly that the sewage collection and transmission system is being held together with “chewing gum.” *See* Rabin & Morgan, *Miami-Dade’s Leaky Pipes* (“John Renfrow, director of Miami-Dade’s Water and Sewer Department, acknowledged the string of major ruptures that have plagued the county’s sewage system in recent years, saying the aging network is ‘being held together by chewing gum.’ He added he has sought more money to fix the leaks for a long time.”)

18. The County failed to comply with the 1994 and 1995 Consent Decrees and drove its sewer system into a condition of severe deterioration and violation of Florida and Federal clean water laws by intentionally starving the system of needed operation and maintenance funds and by using those WASD funds to achieve other County objectives.

19. This Court’s order that the County take “all steps” necessary to minimize future discharges is not being met by operating a system “held together by chewing gum.” The County’s failure to address the system’s shortcomings violates the 1994 and 1995 Consent Decrees and has resulted in further unpermitted discharges in violation of both Consent Decrees and the NPDES permits for WASD’s North and Central plants.

20. Faced with repeated and clear violations of the Consent Decrees and the CWA, the County and EPA have for several years been negotiating a “new and improved” consent decree to replace the existing Consent Decrees, but have not produced a completed agreement. A copy of a publicly available draft of the new consent decree is attached hereto as Exhibit “3.”

The Capital Projects list proposed by the County to be included in the new consent decree is attached hereto as Exhibit “4,” and is also published by WASD on its website, which is found at <http://www.miamidade.gov/water/library/reports/wastewater-improvement-projects-list.pdf>.

21. When the Plaintiff-Intervenors herein became aware of an earlier version of the draft consent decree, they became concerned that the decree, if entered, would not result in compliance with the Clean Water Act at all, let alone achieve compliance in a timely manner.

22. After engaging experts to review the draft consent decree and reviewing certain publicly available documents, Plaintiff-Intervenors are convinced that, without major changes, the current version of the draft consent decree and its capital plan will not end future unpermitted discharges by the County and will not maintain compliance with the CWA.

23. Meanwhile, the September 21, 2012, draft consent decree which Plaintiff/Intervenors believe may be submitted to this Court for approval, is not fair, reasonable or in the public interest. The proposed Consent Decree is unfair, unreasonable and contrary to the public interest because :

- a. The draft Consent Decree’s Capital Plan will not achieve or maintain compliance with CWA, primarily because it fails to address sea level rise and climate impacts that will, if not appropriately accounted for, cause major failures in the sewage collection and treatment system during its useful life. See Affidavits of Dr. Wanless and Dr. Soden (Exhibit “5”) and Dr. Berry and Professor Alvarez (Exhibit “6”). Over time, these failures will prevent the WASD sewage collection and treatment system from operating properly and complying with the requirements of the Clean Water Act, Florida law, and its NPDES permits;

- b. The draft Consent Decree and its Capital Plan does not end the current operation and maintenance (“O&M”) violations at the Central Plant on Virginia Key, as identified in the June 12, 2012, EPA Inspection Report and Notices of Violation (Exhibit “7”);
- c. The draft Consent Decree fails to require abatement, as expeditiously as possible, of the imminent and substantial endangerment caused by the deteriorated condition of the 54” under-bay force main from Fisher Island to the Central Plant on Virginia Key, and does not require the County to provide real-time/real-world emergency response planning and cleanup capability in case any portion of the pipeline bursts under Biscayne Bay;
- d. The draft Consent Decree and Capital Plan fail to incorporate an end to sewage ocean outfalls from the North and Central Plants (which currently pump approximately 300 million gallons of sewage *per day* into near-shore, Atlantic Ocean waters) as required by Florida law which requires phase-out of the ocean outfalls and a re-use feasibility study that meets state objectives to promote reuse of reclaimed water by 2025.
- e. The draft Consent Decree fails to provide guaranteed funding for the required capital improvements and for future operation and maintenance expenses over the life of the Capital Plan;
- f. The draft Consent Decree fails to adequately plan for the projected capacity needs in the system;

- g. The draft Consent Decree fails to provide real-time and real-world emergency response capacity to respond to leaks in under-water force mains, generally, in addition to the 54" line from Miami Beach to Fisher Island to Virginia Key ;
- h. The draft Consent Decree does not require implementation of capital projects on a suitably tight time-schedule with no loopholes, as evidenced by the "swap and drop" language of paragraph 19(j). As drafted, this paragraph renders the entire Capital Plan illusory as it allows the County, with EPA's consent, to drop any or all of the proposed capital projects without public input or judicial approval. This paragraph must be modified with a materiality provision or else there is too great a risk of unlimited delay in meeting Clean Water Act standards and NPDES permit requirements, given poor past performance by WASD. Likewise, the term "material change" in paragraph 81 should be defined to include modification or deletion of a capital project which changes the cost of the project list by a threshold dollar amount (e.g., by \$1 million or more). Material changes should require justification and Court approval and some changes are potentially so significant as to warrant reopening the decree for public comment (e.g., a decision to armor a wastewater treatment plant against sea level rise or to relocate the plant). A materiality definition should be added to paragraph 8 of the decree.
- i. The proposed Consent Decree does not require the necessary outside supervision through a "special master," who would engage and supervise: (1) financial oversight capability, as recommended by Dr. Kavanaugh (See Second Kavanaugh Affidavit, dated January 16, 2013, attached hereto as Exhibit "8"); and (2) a "Blue Ribbon Panel" as recommended by Dr. Berry and Professor Alvarez. See

Berry/Alvarez Affidavit, attached hereto as Exhibit “6”), reporting regularly to the parties, the Court and the public.

- j. The proposed Consent Decree fails to require the EPA, after more than a decade of inaction on the Central Plant’s ocean discharge permit, to re-permit the ocean outfall at the Central Plant on Virginia Key in such a manner as to properly comply with CWA Section 403, 33 U.S.C. § 1343.

24. Without a concrete and specific consent decree that incorporates needed and heightened judicial oversight, the situation in the future will simply be a repeat of the past seventeen-plus years, where, notwithstanding two Consent Decrees and promises to “take all steps necessary to minimize further unpermitted discharges of untreated wastewater containing raw sewage,” the County removed over \$200 million of WASD revenues from WASD and failed to protect the public from the substantial risks created by its decrepit, underfunded and inadequately operated sewage system.

25. The draft Consent Decree that prompted the BBWK and Ms. Koslen to become legally involved in this matter is dated September 21, 2012 (see Ex. “3”). That draft Consent Decree has, in the Plaintiff-Intervenors’ view, two overarching problems: (1) it was still a draft after years of negotiations, leading them to be concerned that there would not be *any* federal enforcement, just more talk; and, (2) the terms of the draft decree would lead to a highly ineffective Capital Plan and compliance program, just as had happened with the two previous decrees.

26. To promptly stop the ongoing violations of the CWA and to address concerns over the inadequate proposed Consent Decree, the BBWK and Ms. Koslen filed a CWA 60-day Notice of Intent to Sue Letter on October 8, 2012, only two-weeks after the draft Consent

Decree's public availability. That 60-day Notice letter (attached, without its exhibits, as Exhibit "9") was meant to spur EPA into action.

27. In response to the 60-day Notice Letter, on December 13, 2012, EPA filed its Complaint in this matter.

Jurisdiction

28. This Court has subject matter jurisdiction over this complaint under 28 U.S.C. § 1331, and Section 505 of the Clean Water Act, 33 U.S.C. §1365, without regard to the amount in controversy or the citizenship of the parties. Under Section 505 of the Clean Water Act citizens are granted a statutory right to intervene in actions brought by the EPA against violators to enforce the terms of the Act. Recognizing that the resources of the federal and state environmental agencies would not permit those agencies to fully enforce the Act in every instance of a violation, Congress authorized citizen suits as an integral part of the overall enforcement scheme of the Act.

29. By letter of October 8, 2012, the Plaintiff/Intervenors gave notice to the County of violations of the Act and of the Plaintiff/Intervenors' intention to bring a separate citizens' suit for violations. (*See* Exhibit 9.) The Notice Letter informed the County of its violations of the Clean Water Act and of Waterkeeper and Ms. Koslen's intention to file suit. The notice was also delivered to the EPA, FDEP, and to all other parties required under the Act and regulations. The notice meets the requirements of Section 505 (b)(1)(A) and the applicable regulations implementing the Act, 40 C.F.R. §§ 135.2 and 135.3.

30. Based upon public documents and statements of the parties, the County and the EPA intend to enter into a purportedly "new and improved" consent decree to supersede the two Consent Decrees that were previously entered in the 1993 enforcement case.

31. Waterkeeper and Ms. Koslen are filing this Intervention to protect their and Waterkeeper's members' interests in ensuring that the existing Consent Decrees are honored, and that any new or revised consent decree is fair, reasonable and in the public interest.

Description of the Parties

32. Pursuant to Miami-Dade County Home Rule Charter Article 5 § 5.09.A, control of the sewer system of Miami-Dade County is vested in the Mayor and the Commissioners. The Miami-Dade Water and Sewer Department ("WASD") is the entity through which Miami-Dade County manages its sewer collection and transmission system, including pumping stations, force mains, ocean outfalls, etc.

33. The Miami-Dade Water and Sewer Department is vested with the power to sue and be sued, and is a "person" and a "governmental instrumentality or agency" under the Clean Water Act. 33 U.S.C. § 1365(a)(1).

34. Plaintiff-Intervenor Biscayne Bay Waterkeeper, Inc. is a non-profit corporation, organized and existing under the laws of the State of Florida, with its principal place of business in Miami Beach, Florida. Waterkeeper's mission is to protect and enhance the water quality of Biscayne Bay and its tributaries for the benefit of its ecosystems and the surrounding human communities. Waterkeeper accomplishes its mission through education, advocacy, restoration and enforcement of environmental laws.

35. Waterkeeper membership includes individuals who use the waters of the United States within Miami-Dade County, including Biscayne Bay and the Intracoastal Waterway and other surface waters and their beaches for recreational purposes such as boating, swimming, and fishing. Local members also live, work, recreate, or all, in the vicinity of Biscayne Bay and the Intracoastal Waterway and other surface waters in Miami-Dade County and have a conservation

and aesthetic interest in ensuring that these water bodies and their banks are not fouled by raw sewage overflows.

36. Because Waterkeeper members swim, boat, fish and recreate in Biscayne Bay, the Intracoastal Waterway and other surface waters in Miami-Dade County, Waterkeeper members are regularly in contact with the surface waters and, thereby, adversely affected by presence of raw sewage overflows and SSOs. The County's raw sewage overflows, therefore, present a threat to Waterkeeper members' health and well-being, if they come in contact with sewage-contaminated waters. Furthermore, water contaminated by the County's illegal sewer overflows is offensive to Waterkeeper members' aesthetic and recreational interests in boating in waters that have not be contaminated by the County' illegal sewer overflows.

37. Waterkeeper is informed and believes that the County's failure to adhere to the existing Consent Decrees, continued illegal SSO discharges, and violations of its NPDES permits degrades water quality and harms aquatic life in the local waters of Miami-Dade County used and enjoyed by Waterkeeper members, and, thus, impairs Waterkeeper's members' use and enjoyment of these waters.

38. The interests of Waterkeeper's members have been, are being, and will continue to be adversely affected by the County's failure to comply with the consent decrees and the Clean Water Act. The relief sought herein will redress the harms to Waterkeeper and its members caused by the County's actions and inaction. The County's continuing violations of the consent Decrees and the Clean Water Act will irreparably harm Waterkeeper and its members, for which harm they have no plain, speedy, or adequate remedy at law.

39. Plaintiff-Intervenor Judi Koslen is a resident of Key Biscayne. Ms. Koslen is a breast-cancer survivor, who is frequently on the waters of Biscayne Bay. She regularly paddles

on the Bay, (including in the Virginia Key marine stadium boat basin), the Intracoastal Waterway and other surface waters in the County. In such recreational activities, Ms. Koslen is regularly in contact with the surface waters. Ms. Koslen is regularly splashed by the surface waters in her face and nose and mouth and is, as a consequence, directly affected by presence of raw sewage SSOs.

40. Ms. Koslen must wade in the waters if she takes her boat onto a beach or shoreline. She recently suffered an infection on her leg after contact with the water in removing the boat from the water. Since then, she has avoided direct contact with the water to the extent possible. The County's raw sewage overflows, therefore, present a direct threat to Ms. Koslen's health and well-being, if she comes in contact with sewage-contaminated waters. Furthermore, water contaminated by the County's illegal sewer overflows is offensive to Ms. Koslen's aesthetic and recreational interests in boating in waters that have not be contaminated by the County' illegal sewer overflows. The quality of the waters in Miami-Dade County directly affects Ms. Koslen's recreational, aesthetic, and/or environmental interests.

41. Ms. Koslen's interests described above have been, are being and will continue to be adversely affected by the County's failure to comply with the consent decrees and the Clean Water Act. The relief sought herein will redress harm to Ms. Koslen's interests. The County's continuing violations of the Consent Decrees and the Clean Water Act will irreparably harm Ms. Koslen's interests, for which harm she has no plain, speedy, or adequate remedy at law.

Regulatory Framework

42. The objective of the Clean Water Act, 33 U.S.C. §§ 1251, *et seq.*, "is to restore and maintain the chemical, physical and biological integrity of the Nation's waters." *See* 33 U.S.C. § 1251(a). To that end, Section 301(a) of the Act declares unlawful "the discharge of any

pollutant by any person” not in compliance with other specified sections of the Act. 33 U.S.C. §1311(a).

43. In furtherance of this objective, the Act prohibits the discharge of pollutants into the waters of the United States, except as authorized by permit. Before discharging any pollutants into waters of the United States, facilities must obtain a NPDES permit specifically authorizing and limiting the discharge of each particular pollutant. 33 U.S.C. §1342.

44. Section 402(a) of the CWA, 33 U.S.C. § 1342(a), provides that the permit issuing authority may issue an NPDES permit that authorizes the discharge of any pollutant directly into navigable waters of the United States, but only in compliance with the applicable requirements of Section 301 of the CWA, 33 U.S.C. § 1311, and such other conditions as the authority determines are necessary to carry out the provisions of the CWA.

45. Section 309(d) of the CWA, 33 U.S.C. § 1319(d), provides that any person who violates Section 301 of the CWA or violates any permit condition or limitation in an NPDES permit issued pursuant to Section 402 of the CWA, 33 U.S.C. § 1342, shall be subject to a civil penalty. Pursuant to the Federal Civil Penalties Inflation Adjustment Act as amended by the Debt Collection Improvement Act, the maximum civil penalty for violations occurring between March 15, 2004, and January 12, 2009, is \$32,500 per violation per day, and the maximum civil penalty for violations occurring on or after January 12, 2009, is \$37,500 per violation per day. 28 U.S.C. § 2461, 31 U.S.C. § 301 and 40 C.F.R. §§ 19.1-19.4.

46. In addition, POTWs must provide at least secondary treatment, as defined by EPA and its regulations, for all sewage in the sewer system before discharge. 33 U.S.C. § 301(b)(1)(B).

47. Unpermitted SSOs, being the discharge of raw, untreated sewage from the sewage conveyance system before treatment occurs, constitute violations of the Act. 33 U.S.C. § 1311(a); *see also Foti v. City of Jamestown Bd. of Public Utilities*, Case No. 10-CV-5750-RJA, 2011 WL 4915743, at *15 (W.D.N.Y. Aug. 15, 2011).

48. Each SSO in Miami-Dade County is a separate, un-permitted point source discharge.

49. The County operates three wastewater treatment plants: The North Plant, the Central Plant and the South Plant. The North Plant operates pursuant to NPDES FL0032182 issued by FDEP. The Central Plant operates pursuant to NPDES permit FL0024805 issued by EPA as well as a state operating permit issued by FDEP. The South Plant operates pursuant to a FDEP Underground Injection Control Permit and FDEP FL042137.

History and Background

50. The history of sewage pollution problems in Miami-Dade County is well-documented. The first part of that history can be found in *City of North Miami v. Train*, 377 F. Supp. 1264 (S.D. Fla. 1974) (Mehrtens, J).

51. As found in *City of North Miami*, sewage pollution of Miami's rivers, bays and beaches had become so chronic by the early 1970s that it was the subject of a major report by the United States Department of the Interior. "The final Federal Report concluded that (1) the 1,000 miles of canals of Dade County were grossly polluted and in violation of the County and state water quality standards ...; (4) present methods for disposal through ocean outfalls without adequate treatment required modification because of public health hazards and detrimental effects of water quality; and (5) the major cause of poor water quality in Dade County was inadequately treated municipal sewage effluent." *Id.* at 1264.

52. The result of the *City of North Miami* case was, among other things, the eventual operation by the County of three regional sewage transmission plants, the North, South and Central Plants.

53. On May 11, 1992, a Miami Grand Jury issued a report on the condition of the Miami-Dade sewer system and the County's role in it. *See* "In Circuit Court of the 11th Judicial Circuit of Florida in and for the County of Dade, Fall Term, A.D. 1991, Final Report of Grand Jury" (Greenbaum, J.). (Exhibit "10")

54. Notwithstanding that the County-caused sewage pollution in the 1970s was supposedly being addressed by the construction of three new wastewater treatment plants, the Grand Jury reported in 1992 that "Dade's antiquated and inadequate sanitary sewer system today accounts for over one-half of the pollution presently in the Miami River." *Id.* at 10.

55. According to the Grand Jury: "During the 1980s, WASA [n/k/a WASD] discovered that a significant portion of the sewer pipes had deteriorated, requiring remedial work, such as the replacement and relining of existing pipes. Unfortunately, the pipes under the Miami River were not addressed before one failed. In 1987, the sewer line under the Miami River collapsed spewing six million gallons of raw sewage into the river. This spill necessitated an extended closure of the Miami River and portions of Biscayne Bay to the public for any use whatsoever." *Id.* at 11.

56. In 1992, the Grand Jury further concluded: "Today, if there was a catastrophic failure at any of the regional processing facilities, the entire flow directed at that facility could not be redirected to other plants. The result will be another multi-million gallon spill of raw sewage into the most likely location, the Miami River." *Id.* at 12.

57. With regard to the Cross Bay Sewer Line, the Grand Jury concluded: “all of the above contaminators pale in comparison to potentially the most serious environmental catastrophe waiting to happen under Biscayne Bay.... The time bomb laying under the bay is the sewer line that pumps Central Dade County’s raw sewage to Virginia Key for processing.... Based on statistical probability, it is only a matter of time until the cross bay sewer pipe collapses.... In 1985/86, WASA determined that the cross bay pipe needed replacement. After seven years, nothing has been completed other than studying the problem.... If this sewer line experiences a complete failure, hundreds of millions of gallons of raw sewage will pour into Biscayne Bay.... In the meantime, the Miami River and Biscayne Bay would experience their worst environmental catastrophe in modern history.” *Id.* at 15-16.

58. In 1993, seeking to stop the illegal discharge of raw sewage into Miami-Dade’s streets and waterways and to expedite the replacement of a decaying cross bay pipeline that carried wastewater to the plant on Virginia Key, the United States filed an enforcement case against the County.

59. A partial consent decree was entered by this Court in January 1994, partially resolving the United States’ claims against the County. A second and final decree was entered by this Court on September 12, 1995. (Case No. 93-1109-CIV-Moreno, DE 36 and 118.)

60. Broadly stated, the first Consent Decree focused on the imminent and substantial endangerment posed by a cross bay sewage force main while the second Consent Decree focused on the sewage collection, transmission and treatment system as a whole.

61. Both the 1994 and 1995 Consent Decrees contained similar “general duty” language in paragraph 8 of each Decree. Specifically, the County agreed to “take all steps

necessary to minimize further unpermitted discharges of untreated wastewater containing raw sewage to local surface waters....”

62. The 1994 and 1995 Consent Decrees are presently operative. The obligations of those Decrees have been a continuing, lawful order of this Court since the day that each one was entered.

63. In 1995, the then director of WASD, Anthony Clemente admitted that 1995 Consent Decree was meant to end one sewer crisis, but that “the program to assure the crisis [didn’t] happen again and to honor commitments made to the state and federal government [would] take several years to complete.” *See* Miami New Times, Semple, Kirk, “The Million Dollar Flush”, Jan. 26, 1995, <http://www.miaminewtimes.com/1995-01-26/news/the-million-dollar-flush/2/>. Writing prophetically, the paper reported “Natacha Millan beseeched Clemente not to increase residents water and sewer bills. ‘We need to not only conserve water, but to conserve their pockets’ she pleaded, notwithstanding the fact that for years political pressure suppressed water and sewer rates and kept them low relative to other cities around the nation, while Dade’s decaying sewer system rushed toward collapse.” The County did not raise rates by an amount to cover the cost of operating and maintaining the system and the entities involved in the 1995 Consent Decree failed to take steps to “assure the crisis [wouldn’t] happen again.”

64. Notwithstanding that the County has operated under two federal court consent decrees for over past seventeen years, and promised the EPA and the Court not once, but twice that it would “take all steps necessary” to make sure that the situation in the late 1980s and early 1990’s would not occur again, in fact, the County, through a pattern of neglect, mismanagement and inattention, has allowed repeated discharges to occur in violation of the Clean Water Act and the Consent Decrees. Moreover, these conditions developed and violations occurred while the

County was operating under the direct supervision and control of EPA as provided under the 1994 and 1995 Consent Decrees.

65. Over the past two-years alone, SSOs from the Miami-Dade sewer system discharged 47-million gallons of raw sewage, much of which ended up polluting Miami waterways. *See* Rabin and Morgan, *Miami-Dade's Leaky Pipes*. A single sewage spill in 2010, for example, resulted in the discharge of twenty (20) million gallons of raw sewage into the Biscayne Canal, a navigable water of the U.S. *See* Miami-Dade County Water & Sewer Infrastructure Report from July 2012, at 25, attached as Exhibit 11.

66. SSOs have high concentrations of bacteria from fecal contamination, pathogens and nutrients, all of which are significant contributors to the impairment of rivers, surface waters and bays. Aside from the pollutant impact on surface waters, sanitary sewer overflows frequently occur in areas that may be frequented by pedestrian traffic and pets, providing a likelihood of direct contact with pathogenic bacteria and viruses in the wastewater, and posing a significant public health risk to area residents.

67. In WASD's July 2012 Infrastructure Report, WASD acknowledged that unmet critical infrastructure needs for the sewer system totaled \$736 million, and that this was just the "most deteriorated and vulnerable" parts of the system. (The report may be found at media.miamiherald.com/smedia/2012/07/24/12/50/MVi2t.So.56.pdf.) By the Fall of 2012, this number had increased to \$1.4 billion, with the County claiming that repairing the entire water and sewer system may cost \$10-12 billion. *See* Wastewater Improvement Project List, attached hereto as Exhibit 4. *See, e.g.,* Miami Herald, Rabin, Charles, "New long-term bill for Miami-Dade water and sewer repairs could top \$12 billion", September 17, 2012, <http://www.miamiherald.com/2012/09/17/3007247/new-long-term-bill-for-miami-dade.html>.

68. On Friday, October 12, 2012, at a meeting with the Miami-Dade development community, WASD Deputy Director, Douglas Yoder, explained that the County charged the lowest rates in the country for water and sewer services. According to Mr. Yoder, WASD charges only 1/3 of what it actually costs to provide water/sewer services to homes and business. The shortfall – a byproduct of the lack of political will to properly fund the system – has contributed to a sewage collection and transmission system that is ineffective, in violation of the Consent Decrees and causing Clean Water Act violations.

69. Where the County is obliged under the Consent Decrees, to take “all steps necessary” to minimize future unpermitted discharges, the County’s failure to provide adequate financing to efficiently and effectively operate its sewage collection, transmission and treatment system is a violation of the Decrees. In short, the County’s underfunding of the system has denied the system proper operation and maintenance, thereby directly causing hundreds of separate violations of federal and state law.

70. During this same period of underfunding, the County actually took hundreds of millions of dollars out of WASD, thereby exacerbating the problems in the system and causing more violations of federal and state law. See Kavanaugh November 30, 2012, Affidavit #1, Exhibit “2”.

71. The County has failed to comply with the lawful Decrees of this Court in that it has not taken all steps necessary to minimize unpermitted discharges of raw sewage from SSOs and to prevent permit violations at its wastewater treatment plants. If it had, then the SSOs and NPDES violations, as described herein, would not have occurred and would not be occurring now.

72. Plaintiff/Intervenors' 60-day Notice Letter documents the County's repeated SSO and NPDES violations. (See Exhibit 9.) Furthermore, in addition to the specifically enumerated violations set forth in the attached Notice Letter and Exhibits 1 and 1A, the County has actual knowledge of the precise location and date of each SSO that has discharged into the receiving waters of Miami-Dade County, as well as those SSOs that have discharged on to public and private property (e.g., streets, yards, parking lots, etc.). Each such SSO event is specifically incorporated herein as an additional and separate violation.

73. Of the hundreds of SSOs from Miami-Dade's sewage collection and transmission system, WASD has reported that many overflows have discharged to surface waters and into the municipal storm-water system, also owned and operated by the County. On information and belief, SSOs that enter the storm-water system has also discharged raw sewage to the navigable waters of the US.

74. On information and belief, the County has not assessed the full and complete public health and environmental impact of its SSO overflows, including sludge and sediment deposition, pathogens, viruses and toxic pollutant effects in the areas downstream from the SSOs.

75. The County's Central Plant has been operating since at least January 2010 "significant[ly] out of compliance" with its FDEP permit. (See Exhibit 11.) Those violations are set forth in the Plaintiff/Intervenors' 60-day Notice Letter and specifically incorporated, herein.

76. The violations at the Central Plant include these specifically-identified violations: (1) failure to properly operate and maintain the plant and appurtenant facilities (40 C.F.R. Sec. 122.41(e)); (2) failure to provide sufficient funding for equipment, maintenance and personnel, all of which are part and parcel of proper operation and maintenance of the plant; (3) failure to

obey NPDES effluent limitations for the plant on the specific dates set forth in the June 12, 2012 EPA Inspection Report (and other EPA and State reports) and all other instances of effluent violations reported by the County to EPA and the State (which are within the County's actual knowledge); (4) violation of EPA Pre-Treatment regulations; (5) failure to have critical equipment on-line at all times; (6) failure to maintain critical equipment at all times; (7) failure to even install new equipment brought on site due to lack of adequate funding for personnel; and, (8) failure to properly operate and maintain the plant, thereby resulting in foul and noxious odors repeatedly emanating from the plant onto public and private property.

77. Recent violations at the Central Plant are catalogued in the EPA's Compliance Evaluation Inspection Report, dated June 12, 2012 (hereinafter, "EPA Inspection Report"), a copy of which is attached as Exhibit 7.

78. The Central Plant's NPDES permit contained a 2004 expiration date and its application for renewal has allegedly been pending EPA review for nearly a decade. This is a violation of CWA Section 403, 33 U.S.C. § 1343.

79. The Central Plant FDEP permit concedes that the State does not have sufficient information regarding the adverse impacts of the County's ocean outfalls on the marine environment stating "at the time of permit issuance, there is limited available data on the affects of the discharge to the ocean and the water quality of surrounding open ocean and coastal environment. Additional studies are needed and are included as part of the new wastewater permit."

80. On information and belief, neither the State nor the EPA has in its possession sufficient information to determine the adverse impacts of the Central Plant (or the North Plant) ocean outfall on the marine environment in violation of Section 403 of the CWA. Thus, the

Court must order EPA to finish its review of these marine environmental impacts of the ocean discharge pipe on a timely basis and make a final decision if it will re-issue the Central Plant's NPDES discharge permit or not. Otherwise, the Capital Plan for the Central Plant and many other aspects of the County's sewage collection and treatment system cannot be finalized.

81. The imminent and substantial endangerment condition of the under-bay sewage force main from Fisher Island to Virginia Key violates the proper operation and maintenance of appurtenant structures in the NPDES Permit for the Central Plant, 40 C.F.R. § 122.41(e), and paragraph 8 of both the First Partial Consent Decree and Second and Final Partial Consent Decree. *See also* Miami Today, Ortiz, L., "Sewage Leak 'Time Bomb' in Biscayne Bay," week of July 26, 2012, <http://miamitodaynews.com/news/120726/story2.shtml> ("***The pipe is about to burst,***' John W. Renfrow...told the county commission last week. '***We're facing a catastrophic event***' ... 'we can't afford any delay.'") (Emphasis added.)

82. Indeed, during the EPA inspection documented in the EPA Inspection Report, WASD officials acknowledged that "the 54" force main from Miami Beach ... was in very bad shape." (Exhibit 7, Compliance Evaluation Inspection Report at page 1.)

83. In 1992, the Grand Jury warned about an under-bay sewer force main being a "ticking time bomb" that could cause an environmental catastrophe. That "time-bomb", the cross-bay force main in 1992, was the subject of the First Partial Consent Decree in 1994. Now, in 2012, there is yet ***another*** under-bay "time-bomb" that is about to burst. This time, it is the 54" under-bay, sewer force main running from Miami Beach to Fisher Island and from Fisher Island to the Central Treatment Plant on Virginia Key.

84. Under appropriate engineering practices, no part of a properly operated and maintained system should reach to the point where a force main carrying millions of gallons of

sewage a day (especially one under ecologically-significant, Biscayne Bay) is “suddenly” about to explode. Once those in charge are aware of a situation with such a huge potential harm, actions must be taken promptly to reduce the risk of catastrophe, including having appropriate emergency response measures in place – actions that the County has failed to take to date.

85. Like the situation in 1987 (Miami River) and 1994 (City of Miami under-bay pipeline to Virginia Key), the County still does not have the proper emergency response plans, nor the real-time, real-world emergency response capability to immediately stop the catastrophic pollution of the Bay, if this under-bay pipe were to suddenly collapse or break.

86. Biscayne Bay is an ecologically sensitive water-body and a defining feature of South Florida. Biscayne Bay is an important and heavily-used resource, with special aesthetic and recreational significance for people living in Miami-Dade County, as well as the surrounding communities and millions of tourists. Biscayne Bay includes Biscayne National Park (<http://www.nps.gov/bisc/index.htm>) within its boundaries, the Biscayne Bay Aquatic Preserve (<http://www.dep.state.fl.us/coastal/sites/biscayne/>), coral reefs, and numerous, highly-valued lagoons, beaches and points of public access that offer unique recreational opportunities for anglers, swimmers, snorkelers, divers, kayakers, windsurfers, and other recreational users.

87. The County’s violations of the 1994 and 1995 Consent Decrees, SSOs and NPDES violations pose a serious risk of harm to human health and to the ecological health of Biscayne Bay.

88. Each separate violation of the Clean Water Act subjects the violator to a penalty of up to \$32,500 per day of violation occurring from March 15, 2004 through January 12, 2009, and \$37,500 per day per violation for violations occurring after January 12, 2009.

89. Just the 260 County-admitted SSO violations would amount to almost \$10 million in civil penalty liability to the taxpayers of Miami-Dade County due to neglect of the system and, this is does not include the NPDES violations at the North Plant and the Central Plant.

90. The gravity of these offenses is significant, given that they were the direct consequence of intentional and knowing underfunding and mismanagement of the sewage collection and treatment system. The civil penalties agreed to by the EPA in the proposed new consent decree must be sufficient to properly deter Miami-Dade County from engaging in this illegal behavior ever again.

91. Substantial civil penalties promote environmental compliance and help protect the public health by deterring future violations by the same polluter and deterring violations by other members of the regulated community.

92. Substantial civil penalties help ensure a level national playing field by ensuring that polluters do not obtain an unfair economic advantage over competitors who have done whatever was necessary to comply on time.

93. The County's failure to adhere to the Consent Decrees, and the hundreds of SSOs and NPDES violations from its sewage collection and treatment system to waters of the United States are ongoing and continuous and cannot be abated by the draft Consent Decree dated September 21, 2012, by virtue of the fact, inter alia, that the draft Consent Decree fails to address sea level rise and climate impacts and will not operate properly during its useful life. See Affidavit of Wanless/Soden, Exhibit "5"; See also, Affidavit of Berry/Alvarez, Exhibit "6."

94. Each SSO overflow, whether to the navigable waters of the U.S. or not, is a violation of the County' NPDES permits and, each one is a separate and distinct violation of Section 301(a) of the Act. Waterkeeper and Koslen are informed and believe, and thereupon

allege, that significantly more SSOs and NPDES violations than have been reported by the County will be discovered through this enforcement action. Each additional SSO violation and each additional NPDES violation constitutes a separate Clean Water Act violation.

COUNT I

CLAIM FOR VIOLATION OF CLEAN WATER ACT AND CONSENT DECREES

95. Paragraphs 1 through 94 are incorporated herein by reference.

96. Through the acts and omissions described herein, the County has violated and will continue to violate the Clean Water Act, 33 U.S.C. §§ 1311 and 1342, *inter alia*, and regulations promulgated thereunder.

97. Through the acts and omissions described herein, the County has violated and will continue to violate the two Consent Decrees already filed in the case.

98. Pursuant to Section 505 of the CWA, 33 U.S.C. § 1365, and by reason of the foregoing acts and omissions of the County, the Plaintiff/Intervenors are entitled to an order enforcing the law and imposing civil penalties against the County.

99. There is no new consent decree filed yet with the Court that would abate all Clean Water Act violations by a date certain and would keep the system from violating the CWA in the future during the useful life of the facilities. See Affidavits of Wanless/Soden and Berry/Alvarez. The EPA Complaint alone, therefore, is not diligent prosecution. The September 21, 2012, draft consent decree, if filed with the Court, is also not diligent prosecution for the reasons set forth herein.

100. Pursuant to CWA Section 505, the Plaintiff/Intervenors are entitled to recover their costs of litigation, including reasonable attorney and expert witness fees.

COUNT II
(CLAIM FOR VIOLATION OF APA)

101. Paragraphs 1 through 94 are incorporated herein by reference.

102. This is a claim against the EPA under the Federal Administrative Procedure Act, 5 U.S.C. § 701 *et. seq.*

103. Under the APA, any person aggrieved by agency action, including a failure to act, is entitled to judicial review thereof. 5 U.S.C. § 702.

104. When an agency fails to take agency action that it is legally required to take, the agency's failure to act is reviewable under the APA and a reviewing court may compel agency action that has been unlawfully withheld or unreasonably delayed. *See Norton v. South Utah Wilderness Alliance*, 542 U.S. 55, 62 (2004).

105. In 2004, the County applied to renew its permit to the EPA to continue discharges from the Central Plant via ocean outfalls. The EPA has not acted on the application.

106. The Court should direct EPA to complete its review of the marine environmental impacts of the ocean discharge pipe and issue a final decision on the Central Plant's NPDES discharge permit A final determination by EPA as to whether the Central Plant's ocean outfall meets the requirements of 33 U.S.C. Sec. 1343 (and whether and when the ocean outfall must be phased-out, particularly in light of the Florida Statute requiring phase-out by 2025) is critical to the future of the Central Plant. This EPA decision will be critical to the accuracy of the proposed WASD Capital Plan and whether \$555 million will be spent on the plant as currently envisioned under the draft consent decree. In one of its plans, the County has proposed to pump 83 million gallons of sewage a day into the Boulder Zone underneath Virginia Key. See Affidavit of Wanless/Soden, Exhibit "5". This is an unproven technology at this location and is subject to the same vulnerabilities of sea level rise and storm impacts. Thus, the unlawful and unreasonably

withheld EPA decision will also be critical to the Court's determination if the proposed Consent Decree is fair, reasonable and in the public's interest.

RELIEF REQUESTED

WHEREFORE, Plaintiff/Intervenors Biscayne Bay Waterkeeper and Judi Koslen respectfully request that this Honorable Court grant the following relief:

- a. Declare the County to be in violation of the Clean Water Act;
- b. Declare the County to be in violation of the First Partial and Second Partial and Final Consent Decrees;
- c. Order the County to comply with the existing Consent Decrees by immediately taking "all steps necessary to minimize further unpermitted discharges of untreated wastewater containing raw sewage to local surface waters;"
- d. Enjoin the County from discharging any raw sewage from any sanitary sewer overflows (SSOs) into the surface waters of the United States, as well as into the storm-water system or on to public and private property (e.g., streets, yards, parking lots, etc.);
- e. Set firm dates for completion of all necessary capital improvements that will assure the Court that no future SSOs or NPDES violations will occur;
- f. Order the County to appropriately address sea level rise and climate impacts as described in the Wanless/Soden and Berry/Alvarez Affidavits when developing the necessary capital improvements to the sewage collection and treatment system, in order to assure the Court and the Public that no future SSOs or NPDES violations will occur;

- g. Enjoin the County from discharging any raw sewage from any under-water sewage force main;
- h. Order the County to immediately take all necessary measures, using best available practices, to repair or replace all segments of its 54” under-bay sewer force mains between Fisher Island and the Central Plant that County (or its contractors) have identified as being in imminent and substantial danger of collapse or otherwise in a condition of disrepair;
- i. Report on a weekly basis to the Court on the County’s progress in repairing or replacing the under-bay force mains that are in imminent and substantial danger of collapse, until such repairs or replacements are completed, fully tested and operational;
- j. Order the County to provide the Court with a contingency plan that demonstrates real-world response capability to respond to any under-bay force main leak or collapse, including the appropriate personnel and equipment required to immediately close-off or cap the discharge of raw sewage into the waters of the United States so as to minimize the harm to humans and the environment to the maximum extent possible, in case of a leak from the under-bay sewer force mains;
- k. Order the County to take all necessary actions as expeditiously as possible to cease the Operation and Maintenance Violations (including violations of the EPA Pre-Treatment Regulations) at the Central District Plant, as set forth in the EPA Inspection and Notice of Violations Report dated June 12, 2012 (See Exhibit “7”).
- l. Appoint a Special Master who will have the authority to:

- i. engage the financial oversight capability recommended by Dr. Michael Kavanaugh (See Kavanaugh Affidavit #2, Exhibit “8”) to monitor the: (1) planning; (2) funding; (3) implementation; and, (4) future operation and maintenance of capital projects in the County’s sewage collection and treatment system required to eliminate illegal SSOs and NPDES violations at the County’s wastewater treatment plants and required for the proper operation and maintenance of its sewage collection and transmission system, utilizing accepted best planning, management, engineering and fiscal practices.
- ii. Engage a Blue Ribbon Panel to oversee the sea level rise/climate impact vulnerability assessment and alternatives analysis methodology recommended by the Berry/Alvarez Affidavit (Exhibit “6”) and the proper finalization of the WASD Capital Plan.
- iii. Report back to the Parties, the Court, the Plaintiff/Intervenors and the Public on an appropriate and regular basis.
- m. Order the County to pay for such Supplemental Environmental Projects as are approved by the Court, with appropriate input and consideration of the views of BBWK, the affected municipalities (e.g., Village of Key Biscayne), and the Public.
- n. Order the County to operate in continuous compliance with the Act by no longer discharging raw sewage through SSOs and no longer violating its NPDES Permits;

- o. Order the County to immediately post public health warning signs at all repeat SSO locations, as well as at those SSO locations on public and private property (e.g., streets, yards, parking lots, etc.). The warning signs shall be of such a size and type (English and Spanish) so as to be visible and understandable to affected persons and shall remain in place until at least one year after the elimination of the SSO, to ensure that they do not start discharging again;
- p. Order the County to establish a SSO victims' compensation program under the supervision of the Court, as was established in the EPA-County Consent Decree in Cincinnati, OH (http://www.msdc.org/consent_decree/) to reimburse individuals, homeowners and businesses who have suffered damages from County-caused sewage overflows;
- q. Order the County to pay civil penalties as required by 33 U.S.C. §§1319(d) and 1365(a), with due consideration of EPA's Penalty Policy;
- r. Order the County to pay Plaintiff/Intervenors' reasonable attorneys' fees and expert witness fees and costs as authorized by 33 U.S.C. §1365(d), and,

- s. Grant such other equitable and legal relief as this Honorable Court deems just and proper.

DATED: June 25, 2013

Respectfully submitted,

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on June 25, 2013, I electronically filed the foregoing with the Clerk of the Court using CM/ECF. I also certify that the foregoing document is being served this day on all counsel of record on the Service List below via transmission of Notice of Electronic Filing generated by CM/ECF.

s/Paul J. Schwiep_____

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