

From: Grange, Briana
Sent: Tuesday, May 14, 2019 9:34 AM
To: 'Nester, Lindsay'
Cc: 'Eldridge, Jodie'; 'Eaton, Kristin'
Subject: Turkey Point Crocodile Injury and Mortality Data
Attachments: Turkey Point Crocodile Injuries and Mortalities 2005-Present.pdf

Lindsay,

Attached you will find a table of crocodile injuries and mortalities at the Turkey Point site reported to the NRC from 2005 through present. You had requested this information during our April 18, 2019, teleconference. FPL has reviewed and confirmed the accuracy of the information in the table. Please note while there have only been 8 causal injuries or mortalities, I have included non-causal injuries and mortalities reported to the NRC as well for your awareness. The two categories of discovery are identified and clearly separated in the table. Injured or dead crocodiles unassociated with plant operations are left in place where they are found (often in the interceptor ditch). Thank you,

Briana

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American Crocodile (*Crocodylus acutus*) Injuries and Mortalities at the Turkey Point Nuclear Generating Site Reported to the NRC, 2005–Present^(a)

Date	Condition	Discovery Location	Cause of Injury or Death	Causality Determination	Data Source ^(b)
Causal Injuries and Mortalities					
Dec 21, 2005	dead	Plant service road south of test canals	vehicle collision	causal	ML060860052
May 27, 2006	dead	Plant service road south of test canals	vehicle collision	causal	ML061800100
Dec 3, 2006	dead	Intersection of Mangrove Rd and CRF access road	vehicle collision	causal	n/a
Sep 25, 2008	dead	Grand Canal Road	vehicle collision	causal	ML093100554
Nov 18, 2011	dead	Near exploratory underground injection control well	physical trauma	causal	ML18037A838
Sep 12, 2012	injured	Cooling canal system discharge canals	vehicle collision	causal	ML12263A251
Jul 23, 2014	dead	Access road outside of owner controlled area	vehicle collision	causal	ML18037A838
Jul 28, 2016	dead ^(c)	Palm Drive leading to plant entrance	vehicle collision	causal	ML16214A285, ML18037A383
Non-causal Injuries and Mortalities					
Sep 24, 2007	dead	Freshwater pond south of cooling canal system	unknown	non-causal	ML093100542
Jan 9, 2008	dead	Cooling canal system	respiratory infection	non-causal	ML093100545
Jul 29, 2008	dead	Interceptor ditch	natural causes	non-causal	ML093100551
Jan 28, 2010	dead	North end of Unit 5 in wetlands near cooling tower	cold weather conditions	non-causal	ML102000146
Mar 9, 2010	dead	Interceptor ditch	unknown	non-causal	ML102000125
Dec 26, 2010	dead	Screen wash system trash basket	natural causes	non-causal	ML103640051
Dec 27, 2010	dead	Interceptor ditch	natural causes	non-causal	ML103640052
Jan 12, 2011	dead	Interceptor ditch	natural causes	non-causal	ML110310184
Jul 21, 2011	dead	Units 3 and 4 intake well	unknown	non-causal	ML11203A253
Jan 28, 2012	dead	Unit 3 and 4 intakes	unknown	non-causal	ML12031A178
Sep 10, 2012	injured	Inside pit valve	injuries caused by another	non-causal	ML12263A248
Jul 25, 2014	dead	Units 3 and 4 intake well	unknown	non-causal	ML18037A838
Aug 7, 2015	dead	Interceptor ditch	unknown	non-causal	ML15226A465, ML18037A838
Nov 14, 2015	dead	Units 3 and 4 intake well	unknown	non-causal	ML15320A285, ML18037A838
Jan 20, 2016	dead	Interceptor ditch	unknown	non-causal	ML16028A269, ML18037A838
Feb 23, 2016	dead	Interceptor ditch	unknown	non-causal	ML16056A169, ML18037A838
May 23, 2017	dead	Interceptor ditch	unknown	non-causal	ML17150A003, ML18037A838
Jun 13, 2017	dead	Interceptor ditch	unknown	non-causal	ML18037A838

Date	Condition	Discovery Location	Cause of Injury or Death	Causality Determination	Data Source ^(b)
Sep 15, 2017	dead	Owner controlled area	unknown	non-causal	ML17261B129
Sep 15, 2017	dead	Interceptor ditch	unknown	non-causal	ML17261B129
Feb 26, 2019	dead	Interceptor ditch	unknown	non-causal	ML19059A437
Mar 20, 2019	dead	CCS south collector canal	unknown	non-causal	ML19085A552
Unconfirmed Injuries and Mortalities					
Jun 28, 2018	dead	Intake area	unknown	unconfirmed	ML18198A538
<p>^(a)This table represents all injured or dead American crocodiles discovered on the Turkey Point Nuclear Generating site and reported by Florida Power and Light Company (FPL) to the U.S. Nuclear Regulatory Commission. Causal injuries must be reported to the U.S. Fish and Wildlife Service (FWS) under the Service's May 5, 2006, biological opinion, as amended by letter dated August 1, 2006. The condition, discovery location, cause of injury or death, and causality determination for each incident are identified in this table as reported by FPL.</p> <p>^(b)References can be accessed through the NRC's web-based ADAMS search engine at http://adams.nrc.gov/wba/. Click on the "Advanced Search" tab and choose the following criteria under Document Properties: "Accession Number" in the Property box, "is equal to" in the Operator box, and the ADAMS accession number of the document in the "Value" box.</p> <p>^(c)Individual was initially alive with sustained vehicle-collision-related injuries but died following transport to the Miami Zoo for care.</p>					