

**ENVIRONMENTAL APPEALS BOARD
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C.**

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In Re:)		
)		
Four Corners Power Plant)	NPDES Appeal No. 19-06	
NPDES Renewal Permit: NN0000019)		
Arizona Public Service Company (Permittee))		
)		
)		

**ARIZONA PUBLIC SERVICE COMPANY'S
SURREPLY TO PETITIONERS' CONSOLIDATED REPLY**

ATTACHMENT 3

Detailed Facility Report

Facility Summary

**FOUR CORNERS STEAM ELECTRIC
STATION
END OF COUNTY RD 6675, FRUITLAND, NM
87416**

FRS (Facility Registry Service) ID: 110042068473
EPA Region: 06
Latitude: 36.68881
Longitude: -108.48036
Locational Data Source: EIS
Industry:
Indian Country: Y

Enforcement and Compliance Summary

Statute	CWA
Insp (5 Years)	2
Date of Last Inspection	07/09/2019
Current Compliance Status	No Violation Identified
Qtrs with NC (of 12)	1
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): Operating Major (NN00000035045NAV02)
Clean Water Act (CWA): Minor, Permit Effective (AZR05I307), Major, Permit Effective (NN0000019)
Resource Conservation and Recovery Act (RCRA): Inactive (NMD069409522), Active (NND069409522)
Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): 7197711

Greenhouse Gas Emissions (eGGRT): 1007245

Toxic Releases (TRI): 87416FRCRNCOUNT

Compliance and Emissions Data Reporting Interface (CEDRI): CEDRI10004291, CEDRI1731

Known Data Problems

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110042068473					Y	36.68881	-108.48036
ICIS-NPDES	CWA	AZR051307	Minor: General Permit Covered Facility	Effective	Storm Water Industrial	06/03/2020	Y	36.689883	-108.483003
ICIS-NPDES	CWA	NN0000019	Major: NPDES Individual Permit	Effective		07/31/2023	Y	36.7075	-108.468611
TRI	EP313	87416FRCRNCOUNT	Toxics Release Inventory	Last Reported for 2018			Y	36.68881	-108.48036

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110042068473	FOUR CORNERS STEAM ELECTRIC STATION	END OF COUNTY RD 6675, FRUITLAND, NM 87416
ICIS-NPDES	CWA	AZR051307	FOUR CORNERS POWER PLANT	PO BOX 355, FRUITLAND, NM 87416
ICIS-NPDES	CWA	NN0000019	APS FOUR CORNERS POWER PLANT	P.O. BOX 355, MS 4981, SAN JUAN COUNTY, NM 87416
TRI	EP313	87416FRCRNCOUNT	FOUR CORNERS STEAM ELECTRIC STATION	COUNTY RD 6675, FRUITLAND, NM 87416

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
CAMDBS	2442	4911	Electric Services
TRI	87416FRCRNCOUNT	4911	Electric Services
ICIS-NPDES	NN0000019	3629	Electrical Industrial Apparatus
ICIS-NPDES	NN0000019	4911	Electric Services

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
GHGRP	1007245	221112	Fossil Fuel Electric Power Generation
CAMDBS	2442	221112	Fossil Fuel Electric Power Generation
TRI	87416FRCRNCOUNT	221112	Fossil Fuel Electric Power Generation

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
No data records returned		

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CWA	NN0000019	ICIS-NPDES	Inspection/Evaluation	Evaluation	EPA	07/09/2019	
CWA	NN0000019	ICIS-NPDES	Inspection/Evaluation	Evaluation	EPA	04/04/2017	

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	AZR051307	No	09/30/2019	0	01/31/2020
CWA	NN0000019	No	09/30/2019	1	01/31/2020

Three-Year Compliance History by Month

Select Timeframe:		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 5	Qtr 6	Qtr 7	Qtr 8	Qtr 9	Qtr 10	Qtr 11	Qtr 12
Statute	Program/Pollutant/Violation Type	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39+
CWA (Source ID: AZR051307)		01/01-01/31/19	02/01-02/28/19	03/01-03/31/19	04/01-04/30/19	05/01-05/31/19	06/01-06/30/19	07/01-07/31/19	08/01-08/31/19	09/01-09/30/19	10/01-10/31/19	11/01-11/30/19	12/01-01/31/20
Facility-Level Status		No Violation Identified			No Violation Identified			No Violation Identified			Undetermined		
Quarterly Noncompliance Report History													
Benchmark Limit Exceedances (No Violation): Pollutant		Disch Point	Mon Loc	Freq									
CWA	Iron, total [as Fe]	E SW1 - O1	Effluent Gross	NMth									
CWA (Source ID: NN0000019)		01/01-01/31/19	02/01-02/28/19	03/01-03/31/19	04/01-04/30/19	05/01-05/31/19	06/01-06/30/19	07/01-07/31/19	08/01-08/31/19	09/01-09/30/19	10/01-10/31/19	11/01-11/30/19	12/01-01/31/20
Facility-Level Status		No Violation Identified			No Violation Identified			No Violation Identified			Undetermined		
Quarterly Noncompliance Report History		Resolved											
Pollutant		Disch Point	Mon Loc	Freq									
CWA	Chlorine, total residual	E 01A - A	Effluent Gross	NMth									
CWA	Oil and grease	E 01A - A	Effluent Gross	Mthly									
CWA	Oil and grease	E 01A - A	Effluent Gross	NMth									
Late or Missing Discharge Monitoring Report (DMR) Measurements													
Counts of Late DMR Measurements													

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

Statute	System	Law/Section	Source ID	Action Type	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
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Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
NN0000019			140801062008	Morgan Lake-Chaco River	MORGAN LAKE/CHACO RIVER/SAN JUAN	No			Yes
AZR051307			140801062008	Morgan Lake-Chaco River		No			Yes

Water Body Designated Uses

Reach Code	Water Body Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
14080106001035		No	No	No	No	No	No
14080106001036		No	No	No	No	No	No

Air Quality

Nonattainment Area?	Pollutant(s)	Applicable Nonattainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Carbon Monoxide	
No	Nitrogen Dioxide	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

Air Pollutant Report

TRI Pollution Prevention Report

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers
87416FRCRNCOUNT	2018	67,929	2,549	0		957,527	1,028,005	26
87416FRCRNCOUNT	2017	62,071	1,083	0		964,810	1,027,964	73
87416FRCRNCOUNT	2016	68,980	2,900	0		1,038,155	1,110,035	11
87416FRCRNCOUNT	2015	112,838	1,465	0		1,713,294	1,827,597	317
87416FRCRNCOUNT	2014	135,584	2,481	0		1,627,400	1,765,465	70
87416FRCRNCOUNT	2013	235,539	4,507	0		2,716,278	2,956,324	129
87416FRCRNCOUNT	2012	237,966	1,477	0		3,112,768	3,352,211	329
87416FRCRNCOUNT	2011	242,070	3,566	0		3,453,372	3,699,008	5
87416FRCRNCOUNT	2010	232,511	1,681	0		3,420,848	3,655,040	2
87416FRCRNCOUNT	2009	259,383	1,810	0		3,802,990	4,064,183	0

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
AMMONIA	27,078									
BARIUM COMPOUNDS	589,605	596,144	644,967	1,058,761	999,069	1,650,125	1,904,743	2,077,664	2,106,485	2,369,393
BENZO(G,H,I)PERYLENE	0	0	0	0	0	0	0	0	0	0
BERYLLIUM COMPOUNDS	6,077	6,195	6,678	11,023	10,616	17,529	20,237	22,067	22,372	25,159
CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	31,209	31,405	32,905	47,137	55,786	102,425	104,567	151,795	105,335	93,415
COBALT COMPOUNDS				13,452		20,920	24,147	26,290	26,636	29,905
COPPER COMPOUNDS	50,930	51,773	55,795	91,760	88,387	145,308	167,690	182,785	185,274	208,246
DIOXIN AND DIOXIN-LIKE COMPOUNDS (in grams)	2	1	1	2	1	1	1	1	1	1
HYDROCHLORIC ACID (1995 AND AFTER ACID AEROSOLS ONLY)	9,800	25,008	28,255	46,878	46,312	52,740	54,208	60,571	53,021	60,012
HYDROGEN FLUORIDE	14,875	30,613	34,233	55,879	77,902	97,229	90,014	97,529	88,351	99,658
LEAD COMPOUNDS	39,601	41,110	44,086	73,805	75,048	123,974	143,282	157,104	158,103	177,954
MANGANESE COMPOUNDS	95,597	95,225	102,524	166,090	150,721	263,966	298,631	343,815	323,870	351,019
MERCURY										
MERCURY COMPOUNDS	266	288	308	508	625	1,030	1,189	1,297	1,315	1,481
NICKEL COMPOUNDS	29,836	29,906	30,738	39,541	54,932	58,294	62,460	73,596	65,468	67,061
POLYCYCLIC AROMATIC COMPOUNDS	4	4	4	5	0	0	5	5	5	6

Chemical Name	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
SELENIUM COMPOUNDS				11,261		18,740	21,631	23,564	23,878	26,824
SULFURIC ACID (1994 AND AFTER ACID AEROSOLS ONLY)	18,994	4,601	4,839	6,758	10,283	81,254	86,996	74,816	83,365	91,632
THALLIUM COMPOUNDS										
VANADIUM COMPOUNDS	77,118	78,182	84,334	138,693	132,067	217,913	251,535	274,181	277,908	312,379
ZINC COMPOUNDS	37,039	37,582	40,379	66,360	63,785	105,004	121,203	131,933	133,655	150,038

Demographic Profile

EJSCREEN EJ Indexes

Eleven primary environmental justice (EJ) indexes of EJSCREEN, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJSCREEN provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJSCREEN home page](#).

Census Block Group EJ Indexes (percentile)	
Particulate Matter (PM 2.5)	87.4
Ozone NATA Diesel PM	95.6
NATA Air Toxics Cancer Risk	85.9
NATA Respiratory Hazard Index (HI)	86.4
Traffic Proximity	63.9
Lead Paint Indicator	82.5
Superfund Proximity	80.1
Risk Management Plan (RMP) Proximity	74.6
Hazardous Waste Proximity	68.1
Wastewater Discharge Proximity	92.7

Number of EJ Indexes Above 80th Percentile
7

[View EJSCREEN Report](#)

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

General Statistics	
Total Persons	211
Population Density	8/sq.mi.
Percent Minority	100%
Households in Area	59
Housing Units in Area	64
Households on Public Assistance	3
Persons Below Poverty Level	76

Geography	
Radius of Selected Area	3 mi.
Center Latitude	36.68881
Center Longitude	-108.48036
Land Area	93%

Age Breakdown - Persons (%)	
Children 5 years and younger	17 (8%)
Minors 17 years and younger	63 (30%)
Adults 18 years and older	149 (71%)
Seniors 65 years and older	20 (9%)

Race Breakdown - Persons (%)	
White	1 (0%)
African-American	0 (0%)
Hispanic-Origin	4 (2%)
Asian/Pacific Islander	0 (0%)
American Indian	210 (100%)
Other/Multiracial	1 (0%)

Education Level(Persons 25 & older) - Persons (%)

Geography

Water Area	7%
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Income Breakdown - Households (%)

Less than \$15,000	12 (20.69%)
\$15,000 - \$25,000	6 (10.34%)
\$25,000 - \$50,000	14 (24.14%)
\$50,000 - \$75,000	14 (24.14%)
Greater than \$75,000	12 (20.69%)

Education Level(Persons 25 & older) - Persons (%)

Less than 9th Grade	14 (10.77%)
9th through 12th Grade	11 (8.46%)
High School Diploma	62 (47.69%)
Some College/2-year	37 (28.46%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6 (4.62%)