

Environmental Protection

There are two main factors that need to be addressed in order to make sure that the environment around a proposed facility is protected.

1) Significant affects to the environment.

Santa Fe Community College's proposed facility will be constructed on an existing tower (tower ID 1225205) in an established "antenna farm". The site proposed herein has both registered and unregistered towers on the site. According to 47 C.F.R. Section 1.1306 Note 3, such facilities "will be categorically excluded" from environmental processing except for the RF requirements of Section 1.1307(b).

2) Human exposure to excess levels of radiofrequency radiation.

In order to comply with OET 65, the technical consultant preparing this exhibit carefully investigated RF sources on the tower site, and learned that it is not straightforward. There are multiple towers and multiple radiators on each tower. The proposed modification to KFSR is to be built on a tower that, according to FCC records is within 200 meters of a number of broadcast facilities and applications:

Call	CH	Status	City, ST	FIN	Dist(km)	Licensee/Permittee
K208EO	208 D	CP MOD	SANDIA, NM	88468	0.00 km	EDUCATIONAL MEDIA FOUNDATION
NEW	245 D	APP	ALBUQUERQUE, NM	141942	0.00 km	MARY V. GUTHRIE
KDRF	277 C	LIC	ALBUQUERQUE, NM	55052	0.00 km	CITADEL BROADCASTING COMPANY
KLYT	202 C0	LIC	ALBUQUERQUE, NM	10945	0.03 km	CALVARY CHAPEL OF ALBUQUERQUE, INC.
KFLQ	218 C	LIC	ALBUQUERQUE, NM	20637	0.04 km	FAMILY LIFE BROADCASTING SYSTEM
KPEK	262 C	LIC	ALBUQUERQUE, NM	4704	0.04 km	CITICASTERS LICENSES, L.P.
KPEK	262 C	CP	ALBUQUERQUE, NM	4704	0.04 km	CITICASTERS LICENSES, L.P.
KTEG	284 C1	LIC	BOSQUE FARMS, NM	65704	0.04 km	CLEAR CHANNEL BROADCASTING LICENSES, INC.
K213BT	213 D	LIC	ALBUQUERQUE, NM	21039	0.09 km	EDUCATIONAL MEDIA FOUNDATION
NEW	271 D	APP	ALBUQUERQUE, NM	156837	0.09 km	YOUR CHRISTIAN COMPANION NETWORK, INC.
K216DV	216 D	LIC	ALBUQUERQUE, NM	89268	0.13 km	PAULINO BERNAL EVANGELISM
K220GM	220 D	LIC	PLACITAS, NM	88470	0.13 km	FAMILY STATIONS, INC.
NEW	224 D	APP	CORRALES, NM	138671	0.14 km	BIG BEND BROADCASTING
NEW	229 D	APP	RIO RANCHO, NM	138662	0.14 km	BIG BEND BROADCASTING
NEW	233 D	APP	CORRALES, NM	139240	0.14 km	BIG BEND BROADCASTING
NEW	245 D	APP	RIO RANCHO, NM	139081	0.14 km	BIG BEND BROADCASTING
NEW	271 D	APP	RIO RANCHO, NM	139084	0.14 km	BIG BEND BROADCASTING
NEW	279 D	APP	RIO RANCHO, NM	139238	0.14 km	BIG BEND BROADCASTING
K265CA	265 D	LIC	ALBUQUERQUE, NM	53641	0.15 km	CITICASTERS LICENSES, L.P.
KRST	222 C	LIC	ALBUQUERQUE, NM	12584	0.16 km	CITADEL BROADCASTING COMPANY
KIOT	273 C	LIC	LOS LUNAS, NM	73117	0.16 km	UNIVISION RADIO LICENSE CORPORATION
KZRR	231 C	LIC	ALBUQUERQUE, NM	68609	0.20 km	CLEAR CHANNEL BROADCASTING LICENSES, INC.

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Exhibit 22
Santa Fe, NM

KBZU	242 C	LIC	ALBUQUERQUE, NM	48596	0.20 km	CITADEL BROADCASTING COMPANY
K251AU	251 D	LIC	ALBUQUERQUE, NM	139245	0.20 km	BIG BEND BROADCASTING
KMGA	258 C	LIC	ALBUQUERQUE, NM	11231	0.20 km	CITADEL BROADCASTING COMPANY

Call	CH	Status	City, ST	FIN	Dist(km)	Licensee/Permittee
NEW	33	APP	ALBUQUERQUE, NM	168013	0.00 km	THREE ANGELS BROADCASTING NETWORK, INC.
KASA-TV	27	LIC	SANTA FE, NM	32311	0.00 km	LIN OF NEW MEXICO, LLC
K38IM	38 +	LIC	ALBUQUERQUE, NM	40743	0.00 km	THREE ANGELS BROADCASTING NETWORK, INC.
NEW	33	APP	ALBUQUERQUE, NM	168387	0.01 km	UNA VEZ MAS ALBUQUERQUE LICENSE, LLC
KQDF-LP	25 +	CP	ALBUQUERQUE, NM	32283	0.01 km	UNA VEZ MAS ALBUQUERQUE LICENSE, LLC
NEW	20	APP	ALBUQUERQUE, NM	168005	0.03 km	ALPHA OMEGA BROADCASTING OF ALBUQUERQUE, INC.
KAZQ	17	LIC	ALBUQUERQUE, NM	1151	0.03 km	ALPHA OMEGA BROADCASTING OF ALBUQUERQUE, INC.
KAZQ	32 +	LIC	ALBUQUERQUE, NM	1151	0.03 km	ALPHA OMEGA BROADCASTING OF ALBUQUERQUE, INC.
KNME-TV	35	LIC	ALBUQUERQUE, NM	55528	0.03 km	REGENTS OF THE UNIV. OF NM & BD.OF EDUC.OF CITY OF ALBUQ.,NM
KTVS-LP	36 Z	LIC	ALBUQUERQUE, NM	13791	0.03 km	ALPHA OMEGA BROADCASTING OF ALBUQUERQUE, INC.
K56FB	-47	APP	ALBUQUERQUE, NM	55056	0.04 km	RAMAR COMMUNICATIONS II, LTD.
KTEL-LP	-39	CP	ALBUQUERQUE, NM	55059	0.04 km	RAMAR COMMUNICATIONS II, LTD.
K46GY	46 Z	CP	SANTA FE, NM	64988	0.04 km	RAMAR COMMUNICATIONS II, LTD.
K56FB	47	CP	ALBUQUERQUE, NM	55056	0.04 km	RAMAR COMMUNICATIONS II, LTD.
K46GY	46 Z	LIC	SANTA FE, NM	64988	0.04 km	RAMAR COMMUNICATIONS II, LTD.
KTEL-LP	53 Z	LIC	ALBUQUERQUE, NM	55059	0.04 km	RAMAR COMMUNICATIONS II, LTD.
K56FB	56	LIC	ALBUQUERQUE, NM	55056	0.04 km	RAMAR COMMUNICATIONS II, LTD.
KWBQ	29	CP MOD	SANTA FE, NM	76268	0.07 km	ACME TELEVISION LICENSES OF NEW MEXICO, LLC
KASY-TV	45	GRANT	ALBUQUERQUE, NM	135813	0.07 km	-
KWBQ	-19	LIC	SANTA FE, NM	76268	0.07 km	ACME TELEVISION LICENSES OF NEW MEXICO, LLC
KASY-TV	45	LIC	ALBUQUERQUE, NM	55049	0.07 km	ACME TELEVISION LICENSES OF NEW MEXICO, LLC
KASY-TV	50 Z	LIC	ALBUQUERQUE, NM	55049	0.07 km	ACME TELEVISION LICENSES OF NEW MEXICO, LLC
KOAT-TV	7 +	LIC	ALBUQUERQUE, NM	53928	0.09 km	KOAT HEARST-ARGYLE TELEVISION, INC.
KOAT-TV	21	LIC	ALBUQUERQUE, NM	53928	0.09 km	KOAT HEARST-ARGYLE TELEVISION, INC.
KNAT-TV	-23	LIC	ALBUQUERQUE, NM	993	0.13 km	TRINITY BROADCASTING NETWORK
KNAT-TV	24	LIC	ALBUQUERQUE, NM	993	0.13 km	TRINITY BROADCASTING NETWORK
KASA-TV	2 +	LIC	SANTA FE, NM	32311	0.16 km	LIN OF NEW MEXICO, LLC
KNMD-TV	9	LIC	SANTA FE, NM	84215	0.17 km	THE REGENTS OF THE UNIVERSITY
KYNM-LP	30	LIC	ALBUQUERQUE, NM	60795	0.20 km	BELMAX BROADCASTING LLC
KYNM-LP	61 Z	LIC	ALBUQUERQUE, NM	60795	0.20 km	BELMAX BROADCASTING LLC

Because of this large number of facilities and the complexities of calculations with multiple radiators on multiple towers, the technical consultant believes that theoretical calculations would give inaccurate results at best.

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Accordingly, Santa Fe Community College respectfully requests that the Commission grant the instant Construction Permit with the condition that Santa Fe Community College make RF measurements before constructing the facility and submit the results of those measurements, along with the theoretical change caused by the addition of its antenna, prior to Commission grant of Program Test Authority.

If the results of the measurements and subsequent calculations reveal that there are areas that would exceed the requirements of OET 65 for controlled or uncontrolled access, Santa Fe Community College will work with the tower site owners and other broadcasters to erect fencing and/or signage to fully comply with OET 65 if such signage and fencing does not already exist.

Further, after construction of the instant facility, Santa Fe Community College will continue to cooperate with other site users to reduce power or cease broadcasting as necessary to protect workers and others having access to the site from excessive levels of RF Radiation.