# STATE OF CONNECTICUT

*CONNECTICUT SITING COUNCIL*
136 Main Street, Suite 401
New Britain, Connecticut 06051
Phone: 827-7682

July 15, 1992

Peter J. Tyrrell, Esq.
Senior Attorney
SNET Cellular, Inc.
227 Church Street
New Haven, CT 06506

RE: Springwich Cellular Limited Partnership (SCLP) Notice of Intent to modify an exempt tower and associated equipment for facilities operated by SCLP located on Birch Mountain Road, Glastonbury; Shuttle Meadow Road, Southington; Town Farm Road, Enfield; Prestige Park Road, East Hartford; 55 Trumbull Street, Hartford; Mountain Road, Hartford; Beckley Road, Berlin; Kikapoo Road, Middlefield; and 391 Niederwerfer Road, South Windsor, Connecticut.

Dear Attorney Tyrrell:

At a meeting held on July 15, 1992, the Connecticut Siting Council acknowledged your notice of exempt modifications at existing tower sites operated by Springwich Cellular Limited Partnership in the cities and towns listed above.

As proposed in your notice dated June 15, 1992, the modifications are in compliance with the exception criteria specified in Regulations of State Agencies 16-50j-72 for changes to the existing facility sites that do not increase the tower height, extend the boundary of the tower site, increase noise levels at the tower site boundary by 6 decibels, and add radio frequency transmitting capability which increases the total power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to Section 22a-162 of the Connecticut General Statutes.

The Council is pleased to note that the shared use of existing towers meets the Council's long-term goal and the public interest to avoid proliferation of additional tower structures.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/bd

6257E

Southern New England Telephone
227 Church Street
New Haven, Connecticut 06510
Phone (203) 771-7381

SNET

Peter J. Tyrrell
*Senior Attorney*

June 15, 1992



Mortimer A. Gelston, Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, Connecticut 06051

Dear Honorable Chairman Gelston:

Enclosed please find a Notice of Intent to Modify an Exempt Tower and Associated Equipment for facilities operated by Springwich Cellular Limited Partnership (SCLP). SNET Cellular, Inc., general partner of SCLP, proposes an equipment upgrade at some of the previously authorized cell sites located in the Hartford MSA (also referred to as NECMA). The upgrade will accommodate more channels and involve a change from omni-directional to directional antennas for improved interference control. On the monopoles, the directional antennas will be mounted on the platform in place of the radomes.

Attached are pages detailing the required information. As is shown in the attachments, the proposed changes meet all the necessary criteria established in the Regulations of Connecticut State Agencies, Section 16-50j-72(b)(2) and are thus exempt facilities pursuant to Section 16-50j-73.

Please record me as counsel for SCLP in this matter and in all correspondence from the Council.

Thank you for your cooperation.

Sincerely,

Peter J. Tyrrell

Attachments
cc: See page 2.

As required by the Public Utility Environmental Standards Act, Section 16-50L(b), a copy of this application has been sent, by messenger or by certified mail, to:

Honorable Richard S. Borden, Jr., Town Manager, Town of Glastonbury, 2155 Main Street, 06033

Honorable Anthony E. D'Angelo, First Selectman, Town of Southington, Town Office Bldg., 75 Main Street, 06489

Honorable A. Louis Hayward, Town Manager, Town of Enfield, 820 Enfield Street, 06082

Honorable Susan G. Kniep, Mayor, Town of East Hartford, Town Hall, 740 Main Street, 06108

Honorable Carrie Saxon Perry, Mayor, Town of Hartford, Municipal Bldg., 550 Main Street, 06103

Honorable Robert J. Peters, Mayor, Town of Berlin, P.O. Box 1, Kensington, 06037

Honorable David G. Webster, First Selectman, Town of Middlefield, Town Administration Bldg., 393 Jackson Hill Road, 06455

Honorable Jean E. Zubrigen, Town Manager, Town of South Windsor, Town Hall, 1540 Sullivan Avenue, 06074

ENFIELD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Town Farm Road, Enfield, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power densities in the cellular and paging frequency bands are shown below. The levels shown indicate the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ | | | | |
|---|---|---|---|---|---|---|---|
| | | | EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
| Cellular | 157 | 153.26 | 0.09725 | 0.03671 | 0.13396 | 2.933 | 4.57 |
| Paging | 157 | 161.25 | 0.02161 | 0.0 | 0.02161 | 3.103 | 0.70 |

The current Connecticut (and ANSI) power density level standards for non-ionizing radiation in the cellular and paging frequency bands are 2.933 and 3.103 milliwatts/$cm^2$, respectively. The levels demonstrated in this case are well below the standard levels.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

GLASTONBURY

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Birch Mountain Road, Glastonbury, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power densities in the cellular and paging frequency bands are shown below. The levels shown indicate the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
|---|---|---|---|---|---|---|---|
| Cellular | 864 | 127.39 | 0.14429 | 0.04960 | 0.19389 | 2.933 | 6.61 |
| Paging | 864 | 132.38 | 0.03207 | 0.0 | 0.03207 | 3.103 | 1.03 |

The current Connecticut (and ANSI) power density level standards for non-ionizing radiation in the cellular and paging frequency bands are 2.933 and 3.103 milliwatts/$cm^2$, respectively. The levels demonstrated in this case are well below the standard levels.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

SOUTHINGTON

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Shuttle Meadow Road, Southington, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power density in the cellular frequency band is set forth below. The level shown indicates the total power density in milliwatts per square centimeter.

| | | DISTANCE | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ | | | | |
|---|---|---|---|---|---|---|---|
| SERVICE | LOCATION HEIGHT AMSL FT. | TO ANTENNA CENTERLINE FEET | EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
| Cellular | 483 | 152.47 | 0.09945 | 0.03590 | 0.13535 | 2.933 | 4.61 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency band is 2.933 milliwatts/$cm^2$. The level demonstrated in this case is well below the standard level.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

EAST HARTFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Prestige Park Road, East Hartford, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power density in the cellular frequency band is set forth below. The level shown indicates the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
|---|---|---|---|---|---|---|---|
| Cellular | 70 | 152.47 | 0.09945 | 0.03590 | 0.13535 | 2.933 | 4.61 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency band is 2.933 milliwatts/$cm^2$. The level demonstrated in this case is well below the standard level.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

HARTFORD-CENTRAL

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located at 55 Trumbull Street, Hartford, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing telecommunications facility.

The power density in the cellular frequency band is set forth below. The level shown indicates the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
|---|---|---|---|---|---|---|---|
| Cellular | 33 | 212.72 | 0.05588 | 0.01366 | 0.06954 | 2.933 | 2.37 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency band is 2.933 milliwatts/$cm^2$. The level demonstrated in this case is well below the standard level.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

RECEIVED
JUN 15 1992
CONNECTICUT
SITING COUNCIL

HARTFORD-SOUTH

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Mountain Road, Hartford, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power densities in the cellular and paging frequency bands are shown below. The levels shown indicate the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
|---|---|---|---|---|---|---|---|
| Cellular | 286 | 103.94 | 0.20584 | 0.08536 | 0.29125 | 2.933 | 9.93 |
| Paging | 286 | 110.82 | 0.04576 | 0.0 | 0.04576 | 3.103 | 1.47 |

The current Connecticut (and ANSI) power density level standards for non-ionizing radiation in the cellular and paging frequency bands are 2.933 and 3.103 milliwatts/$cm^2$, respectively. The levels demonstrated in this case are well below the standard levels.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

BERLIN

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Beckley Road, Berlin, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power density in the cellular frequency band is set forth below. The level shown indicates the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
|---|---|---|---|---|---|---|---|
| Cellular | 188 | 150.33 | 0.01519 | 0.12404 | 0.13923 | 2.933 | 4.74 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency band is 2.933 milliwatts/$cm^2$. The level demonstrated in this case is well below the standard level.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

MIDDLEFIELD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located on Kikapoo Road, Middlefield, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power densities in the cellular and paging frequency bands are shown below. The levels shown indicate the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
|---|---|---|---|---|---|---|---|
| Cellular | 774 | 76.94 | 0.33536 | 0.19617 | 0.53153 | 2.933 | 18.12 |
| Paging | 774 | 86.83 | 0.07452 | 0.0 | 0.07452 | 3.103 | 2.40 |

The current Connecticut (and ANSI) power density level standards for non-ionizing radiation in the cellular and paging frequency bands are 2.933 and 3.103 milliwatts/$cm^2$, respectively. The levels demonstrated in this case are well below the standard levels.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

SOUTH WINDSOR

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Springwich Cellular Limited Partnership (SCLP) hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by increasing the channel capacity from 45 to 56 channels. SCLP also proposes to change the antenna system from 13 foot omni-directional to 4 foot directional antennas for improved interference control. The site is located at 391 Niederwerfer Road, South Windsor, Connecticut.

DISCUSSION

The proposed change will not increase the overall height of the existing tower.

The power densities in the cellular and paging frequency bands are shown below. The levels shown indicate the total power density in milliwatts per square centimeter.

| SERVICE | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA CENTERLINE FEET | POWER DENSITY AT SITE BOUNDARY IN $mW/cm^2$ | | | | |
|---|---|---|---|---|---|---|---|
| | | | EXISTING | INCREASE | TOTAL | CONNECTICUT STANDARD | PERCENT OF STANDARD |
| Cellular | 400 | 83.36 | 0.31041 | 0.14241 | 0.45282 | 2.933 | 15.44 |
| Paging | 400 | 90.26 | 0.06898 | 0.0 | 0.06898 | 3.103 | 2.22 |

The current Connecticut (and ANSI) power density level standards for non-ionizing radiation in the cellular and paging frequency bands are 2.933 and 3.103 milliwatts/$cm^2$, respectively. The levels demonstrated in this case are well below the standard levels.

The proposed change does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more, and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22(a)-162 of the Connecticut General Statutes. This change will not have a substantially adverse environmental effect.

For the reasons discussed above, Springwich Cellular Limited Partnership requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

# STATE OF CONNECTICUT

*CONNECTICUT SITING COUNCIL*

136 Main Street, Suite 401
New Britain, Connecticut 06051
Phone : 827-7682



May 2, 1989

Peter J. Tyrrell, Esq.
Senior Attorney
SNET Cellular, Inc.
227 Church Street
New Haven, CT 06506

RE: SNET Cellular, Inc. - Notice Pursuant to Regulations of State Agencies 16-50j-73 of Intent to Modify Exempt Towers and Associated Equipment operated by SNET Cellular, Inc., located in Hartford, South Windsor, Waterbury, Westport, Milford, Brandford, Middlefield, Guilford, Stamford, Old Saybrook, Canton, Enfield, Waterford, Newtown, Haddam, and Glastonbury, Connecticut.

Dear Attorney Tyrrell:

At a meeting held on April 24, 1989, the Connecticut Siting Council acknowledged your notice of intent to modify exempt towers and associated equipment owned by SNET Cellular, Inc., located in Hartford, South Windsor, Waterbury, Westport, Milford, Brandford, Middlefield, Guilford, Stamford, Old Saybrook, Canton, Enfield, Waterford, Newtown, Haddam, and Glastonbury, Connecticut, pursuant to Section 16-50j-73 of the Regulations of State Agencies (RSA).

As proposed in your notice dated April 5, 1989, the modification is in compliance with the exception criteria specified in RSA 16-50j-72 for changes to an existing facility site that do not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, and add radio frequency sending or receiving capability which increases the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to Section 22a-162 of the Connecticut General Statutes.

The Council is pleased to note that the shared use of an existing tower meets the Council's long-time goal and the public interest to avoid proliferation of additional tower structures.

Very truly yours,

Gloria Dibble Pond/R

Gloria Dibble Pond
Chairperson

GDP:cp

3054E-4

SNET Cellular, Inc.
555 Long Wharf Drive
Room 751
New Haven, Connecticut 06511
Phone (203) 553-7601

SNET

**Donald R. Chapman**
*Vice President–Operations*

April 21, 1989



Stanley J. Modzelesky, Executive Assistant
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, Connecticut 06051

Dear Mr. Modzelesky:

In re Notice of Intent to Modify
Exempt Towers by SNET Cellular, Inc.,
dated April 5 and 14, 1989.

Attached are the responses of SNET Cellular, Inc. to the questions addressed by the Connecticut Siting Council in its letter dated April 19, 1989 to the Company.

Very truly yours,

Donald R. Chapman

By: SNET Cellular, Inc.
Donald R. Chapman
Its Vice President-Operations
555 Long Wharf Drive, Room 751
New Haven, Connecticut 06511

An original and 20 copies of the foregoing have been hand delivered to Stanley J. Modzelesky, Executive Assistant, Connecticut Siting Council, 136 Main Street, Suite 401, New Britain, Connecticut 06051 on April 21.

Ronald C. Clark

Ronald C. Clark
Notary Public

My Commission Expires March 31, 1994

Attachments

2720M

Question 1. For each of the existing towers in Hartford, South Windsor, Middlefield, Guilford, Stamford, Old Saybrook, Waterbury, Westport, Milford, Branford, Canton, Enfield, Waterford, Newtown, Haddam, Glastonbury, Harwinton and Lebanon:

Question a): Identify the owner, operator, and use of the tower;

Question d): Identify the maximum height (AMSL) the new antennas would extend to.

Response a) and d):

| Site | Owner | Operator | Use | Maximum Height (AMSL) of Proposed Antennas |
|---|---|---|---|---|
| Hartford | SNET Cellular, Inc. (SCI) | SCI | Cellular Service | 403 Feet |
| South Windsor | SCI | SCI | Cellular Service | 497 Feet |
| Middlefield | SCI | SCI | Cellular Service | 865 Feet |
| Guilford | SCI | SCI | Cellular Service | 249 Feet |
| Old Saybrook | SCI | SCI | Cellular Service | 327 Feet |
| Waterbury | SCI | SCI | Cellular Service | 989 Feet |
| Westport | SCI | SCI | Cellular Service | 369 Feet |
| Milford | SCI | SCI | Cellular Service | 192 Feet |
| Branford | SCI | SCI | Cellular Service | 399 Feet |
| Canton | SCI | SCI | Cellular Service | 953 Feet |
| Enfield | SCI | SCI | Cellular Service | 325 Feet |
| Waterford | SCI | SCI | Cellular Service | 261 Feet |
| Newtown | SCI | SCI | Cellular Service | 597 Feet |
| Haddam | SCI | SCI | Cellular Service | 511 Feet |
| Glastonbury | Southern New England Telephone (SNET) | SNET/SCI | Telephone Service Cellular Service | 1009 Feet |
| Harwinton | SNET | SNET/SCI | Tel. Svc/Cell. Svc. | 1222 Feet |
| Lebanon | SNET | SNET/SCI | Tel. Svc/Cell. Svc. | 792 Feet |
| Stamford | SNET | SNET/SCI | Tel. Svc/Cell. Svc. | 254 Feet |

Question b): Identify any construction of equipment buildings or other site alterations necessary for the proposed action.

Response b): No construction or site alteration is necessary or will be performed at any of the eighteen (18) locations.

Question c): Identify the need for and type of reinforcement necessary for the existing towers to accommodate the new antennas.

Response c): No reinforcement is necessary or will be performed at any of the eighteen (18) locations.

Question 2. For the State Police tower in Wilton:

Question a): Discuss the extent of the reasons for the deterioration of the existing monopole.

Response a): An evaluation of the existing 2 foot in diameter monopole performed by the State Police consultant, TCAS, on August 24, 1987 revealed that the top of the monopole is bent. This bending indicates a structural weakness in the metal. While TCAS did not identify the cause of the bend in this evaluation, it is our engineering judgement that the bending is a result of the excess load at the top of the tower caused by an existing ground plane antenna mounted at 180 feet (the top of the monopole).

Question b): Discuss why a lattice replacement tower and not a monopole replacement tower is being sought.

Response b): A lattice replacement tower is being sought in order to accomodate the present and planned needs of the State Police, SNET Cellular, Inc., the Fairfield County Chief of Police Assoc., Inc., the State Department of Health Services and the State Department of Education. A lattice tower is required as the State Police plan in the future, to place an 8 foot and a 6 foot parabolic antenna at the top of the 180 foot tower, the State Department of Education plans to install an 8 foot parabolic antenna and a 6 foot array antenna on the tower and the Department of Health Services plans to install a 10 foot double dipole antenna. A monopole tower would not provide adequate stability for these antennas due to the natural movement (twist and sway) of a monopole.

Question c): Excluding the proposed installation of cellular antenna by SCI, discuss if a replacement of this tower by a lattice tower is necessary to safely accommodate the existing State Police antenna and equipment.

Response c): No, if the only purpose were to replace the tower to accommodate the existing State Police antenna and equipment.

Question d): Discuss if the existing tower could be replaced with a new monopole of stronger design to accommodate the existing State Police antenna and equipment.

Response d): Yes, if the only purpose were to replace the tower to accommodate the existing State Police antenna and equipment.

Question e): Discuss if the existing tower could be replaced with a new monopole of stronger design to accommodate the State Police antenna and equipment, and SCI's proposed cellular antenna.

Response e): No. See answer to b. (page 1).

Question f): Describe the dimensions of the existing equipment building and the proposed equipment building replacement.

Response f): The existing equipment building is approximately 8 feet by 16 feet. The proposed equipment building designed to house all present and future needs of the State Police, SNET Cellular, Inc., the Fairfield County Chief of Police Assoc. Inc., the State Department of Health Services and the State Department of Education will be approximately 24 feet by 41 feet. In addition an emergency generator room of approximately 10 feet by 17 feet will be appended. The existing building will be removed.

Question g): Identify the maximum height (AMSL) SCI's antennas would extend to.

Response g): The ground elevation of the tower is 370 feet AMSL. SCI's antennas will be placed between the 135 foot to 165 foot levels of the 180 foot Tower. The maximum height that SCI's antennas will extend to is, therefore, 535 feet AMSL.

# STATE OF CONNECTICUT

*CONNECTICUT SITING COUNCIL*

136 Main Street, Suite 401
New Britain, Connecticut 06051
Phone : 827-7682



April 19, 1989

Donald Chapman
Southern New England Telephone
227 Church Street
New Haven, CT 06510

RE: Intent to Modify Exempt Towers and Associated Equipment

Dear Mr. Chapman:

The Council is in receipt of your notices of intent to modify exempt towers and associated equipment, dated April 5, and April 14, 1989. In order to clarify your proposed actions, please respond to the following interrogatories as soon as possible, but no later than April 21, 1989. These actions are on the Council's agenda for April 24, 1989.

1. For each of the existing towers in Hartford, South Windsor, Middlefield, Guilford, Stamford, Old Saybrook, Waterbury, Westport, Milford, Branford, Canton, Enfield, Waterford, Newtown, Haddam, Glastonbury, Harwinton, and Lebanon:

   a) Identify the owner, operator, and use of the tower;
   b) Identify any construction of equipment buildings or other site alterations necessary for the proposed action;
   c) Identify the need for and type of reinforcement necessary for the existing towers to accommodate the new antennas; and
   d) Identify the maximum height (AMSL) the new antennas would extend to.

2. For the State Police tower in Wilton:

   a) Discuss the extent of the reasons for the deteriaration of the existing monopole;
   b) Discuss why a lattice replacement tower and not a monopole replacement tower is being sought;
   c) Excluding the proposed installation of cellular antenna by SCI, discuss if a replacement of this tower by a lattice tower is necessary to safely accommodate the existing State Police antenna and equipment;

d) Discuss if the existing tower could be replaced with a new monopole of stronger design to accommodate the existing State Police antenna and equipment;
e) Discuss if the existing tower could be replaced with a new monopole of stronger design to accommodate the State Police antenna and equipment, and SCI's proposed cellular antenna;
f) Describe the dimensions of the existing equipment building and the proposed equipment building replacement; and
g) Identify the maximum height (AMSL) SCI's antennas would extend to.

Very truly yours,

Stanley J. Modzelesky
Executive Assistant

SJM/cp

3008E

Southern New England Telephone
227 Church Street
New Haven, Connecticut 06510
Phone (203) 771-7381

SNET

Peter J. Tyrrell
*Senior Attorney*



April 5, 1989

Gloria Dibble Pond, Chairperson
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, Connecticut 06051

Dear Honorable Chairperson Pond:

Enclosed please find a Notice of Intent to modify Exempt Towers and Associated Equipment for facilities operated by SNET Cellular, Inc. (SNET). SNET proposes to add an antenna on each of the sixteen (16) sites to be used in providing its Message Alert Service. Message Alert Service is an enhanced communications service which allows SNET's voice mail users the option of having the Message Alert software signal the user that a message is waiting in the user's voice mail box.

Attached is a page for each location detailing the required information per site. As will be shown in the attachments, the proposed additions meet all the necessary criteria established in Regulations 16-50j-72(b)(2) and are thus an exempt facility pursuant to Regulation 16-50j-73.

Sincerely,

Peter J. Tyrrell

Peter J. Tyrrell

cc: Service List

61241/dmn/MFS

Connecticut Siting Council Application

SNET Cellular, Inc.

As required by the Public Utility Environmental Standards Act, Section 16-50L (b), a copy of this application has been sent, by messenger or certified mail, to:

Honorable Carrie Saxon Perry, Mayor, City of Hartford,
Municipal Building, 550 Main Street, Hartford, Connecticut 06103

Honorable Edward F. Havens, Mayor, Town of South Windsor,
Town Hall, 1540 Sullivan Ave., South Windsor, Connecticut 06074

Honorable Joseph J. Santopietro, Mayor, City of Waterbury,
City Hall, 236 Grand Street, Waterbury, Connecticut 06702

Honorable Martha S. Hauhuth, First Selectwoman, City of Westport
Town Hall, 110 Myrtle Avenue, Westport, Connecticut 06881

Honorable Alberta C. Jagoe, Mayor, Town of Milford,
City Hall, West River Street, Milford, Connecticut 06460

Honorable Judy E. Gott, First Selectwoman, Town of Branford,
Town Hall, 1019 Main Street, P.O. Box 150, Branford, Connecticut 06405

Honorable James R. Blois, First Selectman, Town of Middlefield
Town Administration Building, P.O. Box 179, 393 Jackson Hill Road,
Middlefield, Connecticut 06455

Honorable Frank V. Larkins, Jr., First Selectman, Town of Guilford,
Town Hall, 31 Park Street, Guilford, Connecticut 06437

Honorable Thom Serrani, Mayor, City of Stamford,
Stamford Government Center, 888 Washington Blvd., P.O. Box 10152,
Stamford, Connecticut 06904-2152

Honorable Barbara J. Maynard, First Selectwoman, Town of Old Saybrook,
302 Main Street, P.O. Box 618, Old Saybrook, Connecticut 06475

Honorable Mary Eichhorn-Fletcher, First Selectwoman, Town of Canton,
4 Market Street, P.O. Box 168, Collinsville, Connecticut 06022

Honorable Adam Pierz, Mayor, Town of Enfield,
820 Enfield Street, Enfield, Connecticut 06082

Honorable Lawrence J. Bettencourt, First Selectman, Town of Waterford,
Town Hall, 15 Rope Ferry Road, Waterford, Connecticut 06385

Honorable Roderick J. Mackenzie, First Selectman, Town of Newtown,
Edmond Town Hall, 45 Main Street, Newtown, Connecticut 06470

Honorable Jane W. Blau, First Selectwoman, Town of Haddam,
Town Office Building, 30 Field Park Drive, Haddam, Connecticut 06438

Honorable Sonya F. Googins, Town Council Chairman, Town of Glastonbury,
2155 Main Street, Glastonbury, Connecticut 06033

GUILFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on Tanner Marsh Road, Guilford, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 82 | 158.27 | 0.09970 | 0.12185 | 0.02215 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

OLD SAYBROOK

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located at 170 Ingham Hill Road, Old Saybrook, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 160 | 160.25 | 0.09846 | 0.12034 | 0.02188 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

NEWTOWN

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located off Fairfield Drive, Newtown, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 430 | 160.25 | 0.09846 | 0.12034 | 0.02188 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

HARTFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by the addition of a message alert service antenna. The site is located on Mountain Street, Hartford, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in illiwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 286 | 110.82 | 0.20589 | 0.25165 | 0.04576 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

SOUTH WINDSOR

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by the addition of a message alert service antenna. The site is located at 391 Niederwerfer Road, South Windsor, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 400 | 90.26 | 0.31041 | 0.37939 | 0.06898 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. The additional antenna does not materially change the nature or appearance of the facility. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

WATERBURY

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on Farmdale Drive, Waterbury, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 824 | 158.27 | 0.10095 | 0.12338 | 0.02243 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

WESTPORT

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located at 180A Bayberry Lane, Westport, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 252 | 110.03 | 0.20887 | 0.25529 | 0.04642 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

MILFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located at 438 Bridgeport Avenue, Milford, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 75 | 109.46 | 0.21105 | 0.25795 | 0.04690 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

BRANFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located at 405 Brushy Plain Road, Branford, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 232 | 159.31 | 0.09962 | 0.12176 | 0.02214 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

# MIDDLEFIELD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on Kikapoo Road, Middlefield, Connecticut.

## DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 774 | 86.83 | 0.33536 | 0.40988 | 0.07452 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

STAMFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility by the addition of a message alert service antenna. The site is located at 555 Main Street, Stamford, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Sidewalk (boundary) | 10 | 250.80 | 0.04020 | 0.04913 | 0.00893 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower' height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

CANTON

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located at 4 Hoffmann Road, Canton, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 786 | 161.81 | 0.09658 | 0.11804 | 0.02146 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

ENFIELD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on Town Farm Road, Enfield, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 157 | 161.25 | 0.09725 | 0.11886 | 0.02161 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

WATERFORD

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on Miner Lane, Waterford, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 94 | 160.25 | 0.09846 | 0.12034 | 0.02188 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower' height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

HADDAM

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on 139 Morris Hubbard Road, Haddam Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 344 | 159.25 | 0.09970 | 0.12185 | 0.02215 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower's height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.

GLASTONBURY

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, SNET Cellular, Inc., a company which provides cellular radio telecommunications service in the State of Connecticut, hereby notifies the Connecticut Siting Council that it intends to modify an existing telecommunications facility operated by it, by the addition of a message alert service antenna. The site is located on Birch Mountain Road, Glastonbury, Connecticut.

DISCUSSION

The proposed additional antenna will be located near the top of the tower, adjacent to the existing cellular antennas. The proposed antenna will not increase the overall height of the existing tower.

The maximum power density of the cellular and message alert facility is set forth below. The levels shown indicate the total power density in milliwatts per square centimeter. Power density levels are indicated for all cellular antennas measured simultaneously (existing), as well as for all cellular antennas and the proposed additional antenna (proposed), measured simultaneously.

| LOCATION NAME | LOCATION HEIGHT AMSL FT. | DISTANCE TO ANTENNA FEET | EXISTING POWER DENSITY mW/cm2 | PROPOSED POWER DENSITY mW/cm2 | INCREASE IN POWER DENSITY mW/cm2 |
|---|---|---|---|---|---|
| Cell Site Fence (boundary) | 864 | 132.38 | 0.14429 | 0.17636 | 0.03207 |

The current Connecticut (and ANSI) power density level standard for non-ionizing radiation in the cellular frequency bands is 2.933 milliwatts/cm2. The level demonstrated in this case is well below the standard levels.

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes, Section 16-50i(d). This is because there is no change in the tower' height. There is no extension of the boundaries of the tower site. There will be no increase in noise levels at the tower's boundary by six decibels or more. This addition will not have a substantially adverse environmental effect.

For the reasons discussed above, SNET Cellular, Inc. requests the Council to acknowledge that the Notice of Modification meets the Council's exemption criteria.