

**Attachment # 11**  
**Discussion**  
**Comprehensive Technical Exhibit**  
**Covering Exhibits 11 through 18**  
**Amendment January 2008**

This engineering Report is in support of an application for a Major Change from WSPY, Geneva, Illinois to Millbrook, Illinois, 1480 kHz Class B channel – 400 W day and 300 W night DA-2.

Discussion

This application is filed pursuant to the settlement of MX 84-18. Attached is “Engineering Report”, “Settlement Summary of MX Group 84-18”.

This application, a change in both technical facility and city of license, is filed under the FCC Policy for “Interference Reduction” in that, overall, this proposal gives and receives less interference than the current licensed facility. See attached Interference Study. As demonstrated in every case the relocation of 1480 to Millbrook, Illinois will reduce the Daytime Sq KM of interference given to a station, in total over 777 sq KM over 542,710 population. The proposed facility will reduce interference received by over 2,863 sq KM and bring the First Broadcast Service to the town of Millbrook Illinois located in a non-urbanized area.

The proposed Facility receives interference over an increased 399.87 sq KM from WZOE and receives interference from WMBD 12.52 KM total population in this area is 22,745 persons. All persons in these areas are well served, receiving service from 5 or more broadcast stations. If a request for a waiver of the interference received rules is needed, please consider this a request – as, on balance, over 542,710 persons will receive less interference and over 2,863.93 sq KM will receive interference compared to the small increase (WZOE & WMBD) of 399.87 sq KM.

Broadcast Facility

The applicant proposes to construct a total of 4 towers, 4 towers for day, 3 for night (3 common), as specified in the Tech Box. The transmission system would include a transmitter, phaser, and sampling system, all compliant with the FCC current requirements. Each tower would have 120 ground radials, 90 degrees long, except where they intersect radials from another tower, and 120 50-foot radials from the base of each tower. The transmitter site is 10 acres, 660 feet by 660 feet on flat farm land. (See site aerial and site photos attached.) The towers are less than 199 feet tall and are not in the glide slope of an FAA recognized airport and will not be painted or lit, unless required by the FAA.

Blanket Contour

The proposed 1.0v/m “Blanket Contour ” map has been included in this report. While the population count using the 2000 U.S. Census shows there is 0 persons in the

1.0 v/m, currently there is an old farm house within the 1v/m contour and it is believed as many as 6 persons live there.

The proposed facility at 1480 kHz has the following population counts based on 2000 U.S. Census (except 1 v/m):

	<u>Population</u>	<u>Sq KM</u>
1,000 mv/m	6	.1
5 mv/m	38,542	640.5
2 mv/m	84,951	1,594.1
.5 mv/m	712,546	5,778.3
5.429 I.F.	32,799	431.9

### 307(b)

In a separate filing the applicant has made a 307(b) showing for Millbrook, Illinois as requested by the FCC, copy attached.

### Main Studio

The main studio will be located in compliance with the requirements of 73.1125.

### Groundwave

The proposed allocation study of 1480 kHz shows compliance with the requirement of FCC rules and/or meets the objectives of the FCC Policy of AM Interference Reduction. The attached Allocation Study maps demonstrate that fact. FCC M-3 conductivities have been used in calculating most contours. See Engineering Maps for 1480, 1490, 1470, 1460 and 1500 and 1450 and 1510 kHz.

### Skywave Interference

The major change station meets the FCC requirements for "Class B" station under the Interference Reduction policy. Night pattern was reviewed by both the applicant and Lundin, duTreil & Rackley Engineering firm using DataWorld night study attached.

### Critical Hours Interference

This proposed operation is in compliance with the requirement of 73.187, no critical hours of operation is required.

### Environmental Effects

The proposed operation is in compliance with OET Bulletin No. 65. Full protection is afforded by the proposal. An RF study has been included in Exhibit 18. Workers and the general public will not be exposed to high radiation at the station. The towers will be in a location, properly enclosed by a locked security fence, and RF warning signs are posted. The station will operate with transmitter power of 400 W. The station will be in compliance with the radio frequency protection guides of the American National Standards Institute, and OET Bulletin No. 65, including the reduction or

cessation of transmitter power when persons have access to the site, towers or antenna. The station will comply with Section 1.1307 of the Commission's rules. Grant of the station's application will not result in a significant environmental impact per the worksheet. The applicant's controlling shareholders, Larry and Pam Nelson, currently own the proposed transmitter site. Zoning for the site was applied for, and denied by the township zoning authorities. The Circuit court then reversed the township and granted the zoning for the transmitter site. The township applied to the Illinois Appellate Court and the Appellate Court upheld the Circuit Court. The State of Illinois then removed the zoning authority from the Township and County (see attached new state law) and the County of LaSalle issued a building permit for the towers and the transmitter building. The applicant is ready to proceed with construction upon the FCC issuance of a Construction Permit.

## **Exhibit 18**

### **1. R-F RADIATION GUIDELINES COMPLIANCE STUDY**

This instant application has been evaluated for potential of human exposure to non-ionizing radiofrequency radiation. The guidelines set forth in OET Bulletin No. 65 were used as the standard for this evaluation.

The proposed facility at 400 watts, with a Radiator indicated and a frequency of 1480 kHz requires fencing at 1 Meter from the tower base (1 Meter for 1kw). Fencing as the tower site will comply with or exceed this requirement.

In the event maintenance personnel are required to work within the restricted areas, they will be advised to limit their work in the high RF field areas to specified periods of time appropriate for compliance with the FCC guidelines set forth in OET Bulletin No. 65 (Edition 97-01). If their work cannot be completed within the specified period of time, it is proposed to reduce power appropriately or shut down the operation of the stations to permit completion of the assignment.

Larry Nelson  
President  
Nelson Multimedia, Inc.  
January 2008  
FCC License PG-18-9128

Doug Nelson  
FCC License PG00016571

## ENGINEERING REPORT

### Settlement Summary of MX-Group 84-18

These stations were part of this group:

WSPY	ARN 20040127ACW	Major Change to Millbrook, Illinois
WCFJ	ARN 20040126AJC	Major Change to Dolton, Illinois
New	ARN 20040129ATZ	New – Monona, Wisconsin

The applicant at Monona, Wisconsin has reached a settlement with WSPY to dismiss their New application at Monona, Wisconsin.

WCFJ is requesting a change in City of License only – no change in technical facilities. This application has been dismissed.

WSPY's proposed facility at Millbrook, Illinois gives and takes interference to the WCFJ facility. WSPY's major change is both change of City of License and technical facilities and is filed under the FCC Policy for "Interference Reduction".

With the major change at Millbrook, Illinois, WSPY takes and gives No interference to WCFJ.

Therefore, WCFJ's request and WSPY's request become and should be treated as "singletons", thus, deleting MX-Group 84-18.

WSPY INTERFERENCE REDUCTION STUDY  
January 2008

CO-CHANNEL

To WLMV    1480 kHz    .5 mv/m    From:

WSPY Lic	.025 mv/m	9,863 pop	71.56 KM
New	.025 mv/m	0	0
Reduction		<u>9,863 pop</u>	<u>71.56 KM</u>

FROM:        1480 kHz        .025 mv/m To:

WSPY Lic	.5 mv/m	205,654 pop	1,035 KM
New	.5 mv/m	85 pop	3.93 KM
Reduction		<u>205,569 pop</u>	<u>1,031.07 KM</u>

WSPY INTERFERENCE REDUCTION STUDY  
January 2008

1<sup>st</sup> ADJACENCY

To WGEZ     1490 kHz   .5 mv/m   From:

WSPY Lic	.25 mv/m	5,812 pop	371.62 KM
New	.25 mv/m	0	0
Reduction		<u>5,812 pop</u>	<u>371.62 KM</u>

FROM: WGEZ   1490 kHz   .25 mv/m To:

WSPY Lic	.5 mv/m	109,326 pop	689.64 KM
New	.5 mv/m	0 pop	0 KM
Reduction		<u>109,326 pop</u>	<u>689.64 KM</u>

WSPY INTERFERENCE REDUCTION STUDY  
January 2008

1<sup>st</sup> ADJACENCY

To WPNA     1490 kHz   .5 mv/m   From:

WSPY Lic	.5 mv/m	827,963 pop	1,058.02 KM
New	.5 mv/m	380,712 pop	528.14 KM
Reduction		<u>447,251 pop</u>	<u>529.88 KM</u>
WSPY Lic	.25 mv/m		1,697.47 KM
New	.25 mv/m		1,670.47 KM
Reduction			<u>27.00 KM</u>

FROM: WPNA     1490 kHz   .25 mv/m To:

WSPY Lic	.5 mv/m	1,265,646 pop	2,546.96 KM
New	.5 mv/m	582,726 pop	1,729.15 KM
Reduction		<u>682,920 pop</u>	<u>817.81 KM</u>



WSPY INTERFERENCE REDUCTION STUDY  
January 2008

1<sup>st</sup> ADJACENCY

To: WCFJ     1470 kHz   .5 mv/m   From:

WSPY Lic	.25 mv/m	76,570 pop	135.34 KM
New	.25 mv/m	0	0
Reduction		<u>76,570 pop</u>	<u>135.34 KM</u>

FROM: WCFJ     .25 mv/m To:

WSPY Lic	.5 mv/m	243,912 pop	325.41 KM
New	.5 mv/m	0 pop	0 KM
Reduction		<u>243,912 pop</u>	<u>325.41 KM</u>

WSPY INTERFERENCE REDUCTION STUDY  
January 2008

1<sup>st</sup> ADJACENCY

To WZOE      1490 kHz   .5 mv/m   From:

WSPY Lic	.25 mv/m	13,184 pop	637.41 KM
New	.25 mv/m	9,970 pop	381.85 KM
Reduction		<u>3,214 pop</u>	<u>255.56 KM</u>

FROM: WZOE      .25 mv/m To:

WSPY Lic	.5 mv/m	4,837 pop	290.26 KM
New	.5 mv/m	27,561 pop	690.13 KM
Reduction		<u>(22,724) pop</u>	<u>(399.87) KM</u>

WSPY INTERFERENCE REDUCTION STUDY  
January 2008

1<sup>st</sup> ADJACENCY

To WMBD 1470 kHz .5 mv/m From:

WSPY Lic	.25 mv/m	0 pop	0 KM
New	.25 mv/m	0 pop	0 KM
Reduction		<u>0 pop</u>	<u>0 KM</u>

FROM: WMBD 1470 kHz .25 mv/m To:

WSPY Lic	.5 mv/m	0 pop	0 KM
New	.5 mv/m	21 pop	12.52 KM
Reduction		<u>(21) pop</u>	<u>(12.52) KM</u>

AN ACT concerning local government.

**Be it enacted by the People of the State of Illinois,  
represented in the General Assembly:**

Section 5. The Counties Code is amended by changing Section 5-12001.1 as follows:

(55 ILCS 5/5-12001.1)

Sec. 5-12001.1. Authority to regulate certain specified facilities of a telecommunications carrier and to regulate, pursuant to subsections (a) through (g), AM broadcast towers and facilities.

(a) Notwithstanding any other Section in this Division, the county board or board of county commissioners of any county shall have the power to regulate the location of the facilities, as defined in subsection (c), of a telecommunications carrier or AM broadcast station established outside the corporate limits of cities, villages, and incorporated towns that have municipal zoning ordinances in effect. The power shall only be exercised to the extent and in the manner set forth in this Section.

(b) The provisions of this Section shall not abridge any rights created by or authority confirmed in the federal Telecommunications Act of 1996, P.L. 104-104.

(c) As used in this Section, unless the context otherwise requires:

(1) "county jurisdiction area" means those portions of a county that lie outside the corporate limits of cities, villages, and incorporated towns that have municipal zoning ordinances in effect;

(2) "county board" means the county board or board of county commissioners of any county;

(3) "residential zoning district" means a zoning district that is designated under a county zoning ordinance

and is zoned predominantly for residential uses;

(4) "non-residential zoning district" means the county jurisdiction area of a county, except for those portions within a residential zoning district;

(5) "residentially zoned lot" means a zoning lot in a residential zoning district;

(6) "non-residentially zoned lot" means a zoning lot in a non-residential zoning district;

(7) "telecommunications carrier" means a telecommunications carrier as defined in the Public Utilities Act as of January 1, 1997;

(8) "facility" means that part of the signal distribution system used or operated by a telecommunications carrier or AM broadcast station under a license from the FCC consisting of a combination of improvements and equipment including (i) one or more antennas, (ii) a supporting structure and the hardware by which antennas are attached; (iii) equipment housing; and (iv) ancillary equipment such as signal transmission cables and miscellaneous hardware;

(9) "FAA" means the Federal Aviation Administration of the United States Department of Transportation;

(10) "FCC" means the Federal Communications Commission;

(11) "antenna" means an antenna device by which radio signals are transmitted, received, or both;

(12) "supporting structure" means a structure, whether an antenna tower or another type of structure, that supports one or more antennas as part of a facility;

(13) "qualifying structure" means a supporting structure that is (i) an existing structure, if the height of the facility, including the structure, is not more than 15 feet higher than the structure just before the facility is installed, or (ii) a substantially similar, substantially same-location replacement of an existing structure, if the height of the facility, including the

replacement structure, is not more than 15 feet higher than the height of the existing structure just before the facility is installed;

(14) "equipment housing" means a combination of one or more equipment buildings or enclosures housing equipment that operates in conjunction with the antennas of a facility, and the equipment itself;

(15) "height" of a facility means the total height of the facility's supporting structure and any antennas that will extend above the top of the supporting structure; however, if the supporting structure's foundation extends more than 3 feet above the uppermost ground level along the perimeter of the foundation, then each full foot in excess of 3 feet shall be counted as an additional foot of facility height. The height of a facility's supporting structure is to be measured from the highest point of the supporting structure's foundation;

(16) "facility lot" means the zoning lot on which a facility is or will be located;

(17) "principal residential building" has its common meaning but shall not include any building under the same ownership as the land of the facility lot. "Principal residential building" shall not include any structure that is not designed for human habitation;

(18) "horizontal separation distance" means the distance measured from the center of the base of the facility's supporting structure to the point where the ground meets a vertical wall of a principal residential building; ~~and~~

(19) "lot line set back distance" means the distance measured from the center of the base of the facility's supporting structure to the nearest point on the common lot line between the facility lot and the nearest residentially zoned lot. If there is no common lot line, the measurement shall be made to the nearest point on the lot line of the nearest residentially zoned lot without deducting the

width of any intervening right of way; and ~~or~~

(20) "AM broadcast station" means a facility and one or more towers for the purpose of transmitting communication in the 540 kHz to 1700 kHz band for public reception authorized by the FCC.

(d) In choosing a location for a facility, a telecommunications carrier or AM broadcast station shall consider the following:

(1) A non-residentially zoned lot is the most desirable location.

(2) A residentially zoned lot that is not used for residential purposes is the second most desirable location.

(3) A residentially zoned lot that is 2 acres or more in size and is used for residential purposes is the third most desirable location.

(4) A residentially zoned lot that is less than 2 acres in size and is used for residential purposes is the least desirable location.

The size of a lot shall be the lot's gross area in square feet without deduction of any unbuildable or unusable land, any roadway, or any other easement.

(e) In designing a facility, a telecommunications carrier or AM broadcast station shall consider the following guidelines:

(1) No building or tower that is part of a facility should encroach onto any recorded easement prohibiting the encroachment unless the grantees of the easement have given their approval.

(2) Lighting should be installed for security and safety purposes only. Except with respect to lighting required by the FCC or FAA, all lighting should be shielded so that no glare extends substantially beyond the boundaries of a facility.

(3) No facility should encroach onto an existing septic field.

(4) Any facility located in a special flood hazard area or wetland should meet the legal requirements for those lands.

(5) Existing trees more than 3 inches in diameter should be preserved if reasonably feasible during construction. If any tree more than 3 inches in diameter is removed during construction a tree 3 inches or more in diameter of the same or a similar species shall be planted as a replacement if reasonably feasible. Tree diameter shall be measured at a point 3 feet above ground level.

(6) If any elevation of a facility faces an existing, adjoining residential use within a residential zoning district, low maintenance landscaping should be provided on or near the facility lot to provide at least partial screening of the facility. The quantity and type of that landscaping should be in accordance with any county landscaping regulations of general applicability, except that paragraph (5) of this subsection (e) shall control over any tree-related regulations imposing a greater burden.

(7) Fencing should be installed around a facility. The height and materials of the fencing should be in accordance with any county fence regulations of general applicability.

(8) Any building that is part of a facility located adjacent to a residentially zoned lot should be designed with exterior materials and colors that are reasonably compatible with the residential character of the area.

(f) The following provisions shall apply to all facilities established in any county jurisdiction area (i) after the effective date of the amendatory Act of 1997 with respect to telecommunications carriers and (ii) after the effective date of this amendatory Act of the 94th General Assembly with respect to AM broadcast stations:

(1) Except as provided in this Section, no yard or set back regulations shall apply to or be required for a



facility.

(2) A facility may be located on the same zoning lot as one or more other structures or uses without violating any ordinance or regulation that prohibits or limits multiple structures, buildings, or uses on a zoning lot.

(3) No minimum lot area, width, or depth shall be required for a facility, and unless the facility is to be manned on a regular, daily basis, no off-street parking spaces shall be required for a facility. If the facility is to be manned on a regular, daily basis, one off-street parking space shall be provided for each employee regularly at the facility. No loading facilities are required.

(4) No portion of a facility's supporting structure or equipment housing shall be less than 15 feet from the front lot line of the facility lot or less than 10 feet from any other lot line.

(5) No bulk regulations or lot coverage, building coverage, or floor area ratio limitations shall be applied to a facility or to any existing use or structure coincident with the establishment of a facility. Except as provided in this Section, no height limits or restrictions shall apply to a facility.

(6) A county's review of a building permit application for a facility shall be completed within 30 days. If a decision of the county board is required to permit the establishment of a facility, the county's review of the application shall be simultaneous with the process leading to the county board's decision.

(7) The improvements and equipment comprising the facility may be wholly or partly freestanding or wholly or partly attached to, enclosed in, or installed in or on a structure or structures.

(8) Any public hearing authorized under this Section shall be conducted in a manner determined by the county board. Notice of any such public hearing shall be published at least 15 days before the hearing in a newspaper of

general circulation published in the county.

(9) Any decision regarding a facility by the county board or a county agency or official shall be supported by written findings of fact. The circuit court shall have jurisdiction to review the reasonableness of any adverse decision and the plaintiff shall bear the burden of proof, but there shall be no presumption of the validity of the decision.

(g) The following provisions shall apply to all facilities established (i) after the effective date of this amendatory Act of 1997 with respect to telecommunications carriers and (ii) after the effective date of this amendatory Act of the 94th General Assembly with respect to AM broadcast stations in the county jurisdiction area of any county with a population of less than 180,000:

(1) A facility is permitted if its supporting structure is a qualifying structure or if both of the following conditions are met:

(A) the height of the facility shall not exceed 200 feet, except that if a facility is located more than one and one-half miles from the corporate limits of any municipality with a population of 25,000 or more the height of the facility shall not exceed 350 feet; and

(B) the horizontal separation distance to the nearest principal residential building shall not be less than the height of the supporting structure; except that if the supporting structure exceeds 99 feet in height, the horizontal separation distance to the nearest principal residential building shall be at least 100 feet or 80% of the height of the supporting structure, whichever is greater. Compliance with this paragraph shall only be evaluated as of the time that a building permit application for the facility is submitted. If the supporting structure is not an antenna tower this paragraph is satisfied.

(2) Unless a facility is permitted under paragraph (1)

of this subsection (g), a facility can be established only after the county board gives its approval following consideration of the provisions of paragraph (3) of this subsection (g). The county board may give its approval after one public hearing on the proposal, but only by the favorable vote of a majority of the members present at a meeting held no later than 75 days after submission of a complete application by the telecommunications carrier. If the county board fails to act on the application within 75 days after its submission, the application shall be deemed to have been approved. No more than one public hearing shall be required.

(3) For purposes of paragraph (2) of this subsection (g), the following siting considerations, but no other matter, shall be considered by the county board or any other body conducting the public hearing:

(A) the criteria in subsection (d) of this Section;

(B) whether a substantial adverse effect on public safety will result from some aspect of the facility's design or proposed construction, but only if that aspect of design or construction is modifiable by the applicant;

(C) the benefits to be derived by the users of the services to be provided or enhanced by the facility and whether public safety and emergency response capabilities would benefit by the establishment of the facility;

(D) the existing uses on adjacent and nearby properties; and

(E) the extent to which the design of the proposed facility reflects compliance with subsection (e) of this Section.

(4) On judicial review of an adverse decision, the issue shall be the reasonableness of the county board's decision in light of the evidence presented on the siting considerations and the well-reasoned recommendations of

any other body that conducts the public hearing.

(h) The following provisions shall apply to all facilities established after the effective date of this amendatory Act of 1997 in the county jurisdiction area of any county with a population of 180,000 or more. A facility is permitted in any zoning district subject to the following:

(1) A facility shall not be located on a lot under paragraph (4) of subsection (d) unless a variation is granted by the county board under paragraph (4) of this subsection (h).

(2) Unless a height variation is granted by the county board, the height of a facility shall not exceed 75 feet if the facility will be located in a residential zoning district or 200 feet if the facility will be located in a non-residential zoning district. However, the height of a facility may exceed the height limit in this paragraph, and no height variation shall be required, if the supporting structure is a qualifying structure.

(3) The improvements and equipment of the facility shall be placed to comply with the requirements of this paragraph at the time a building permit application for the facility is submitted. If the supporting structure is an antenna tower other than a qualifying structure then (i) if the facility will be located in a residential zoning district the lot line set back distance to the nearest residentially zoned lot shall be at least 50% of the height of the facility's supporting structure or (ii) if the facility will be located in a non-residential zoning district the horizontal separation distance to the nearest principal residential building shall be at least equal to the height of the facility's supporting structure.

(4) The county board may grant variations for any of the regulations, conditions, and restrictions of this subsection (h), after one public hearing on the proposed variations, by a favorable vote of a majority of the members present at a meeting held no later than 75 days

after submission of an application by the telecommunications carrier. If the county board fails to act on the application within 75 days after submission, the application shall be deemed to have been approved. In its consideration of an application for variations, the county board, and any other body conducting the public hearing, shall consider the following, and no other matters:

(A) whether, but for the granting of a variation, the service that the telecommunications carrier seeks to enhance or provide with the proposed facility will be less available, impaired, or diminished in quality, quantity, or scope of coverage;

(B) whether the conditions upon which the application for variations is based are unique in some respect or, if not, whether the strict application of the regulations would result in a hardship on the telecommunications carrier;

(C) whether a substantial adverse effect on public safety will result from some aspect of the facility's design or proposed construction, but only if that aspect of design or construction is modifiable by the applicant;

(D) whether there are benefits to be derived by the users of the services to be provided or enhanced by the facility and whether public safety and emergency response capabilities would benefit by the establishment of the facility; and

(E) the extent to which the design of the proposed facility reflects compliance with subsection (e) of this Section.

No more than one public hearing shall be required.

(5) On judicial review of an adverse decision, the issue shall be the reasonableness of the county board's decision in light of the evidence presented and the well-reasoned recommendations of any other body that conducted the public hearing.

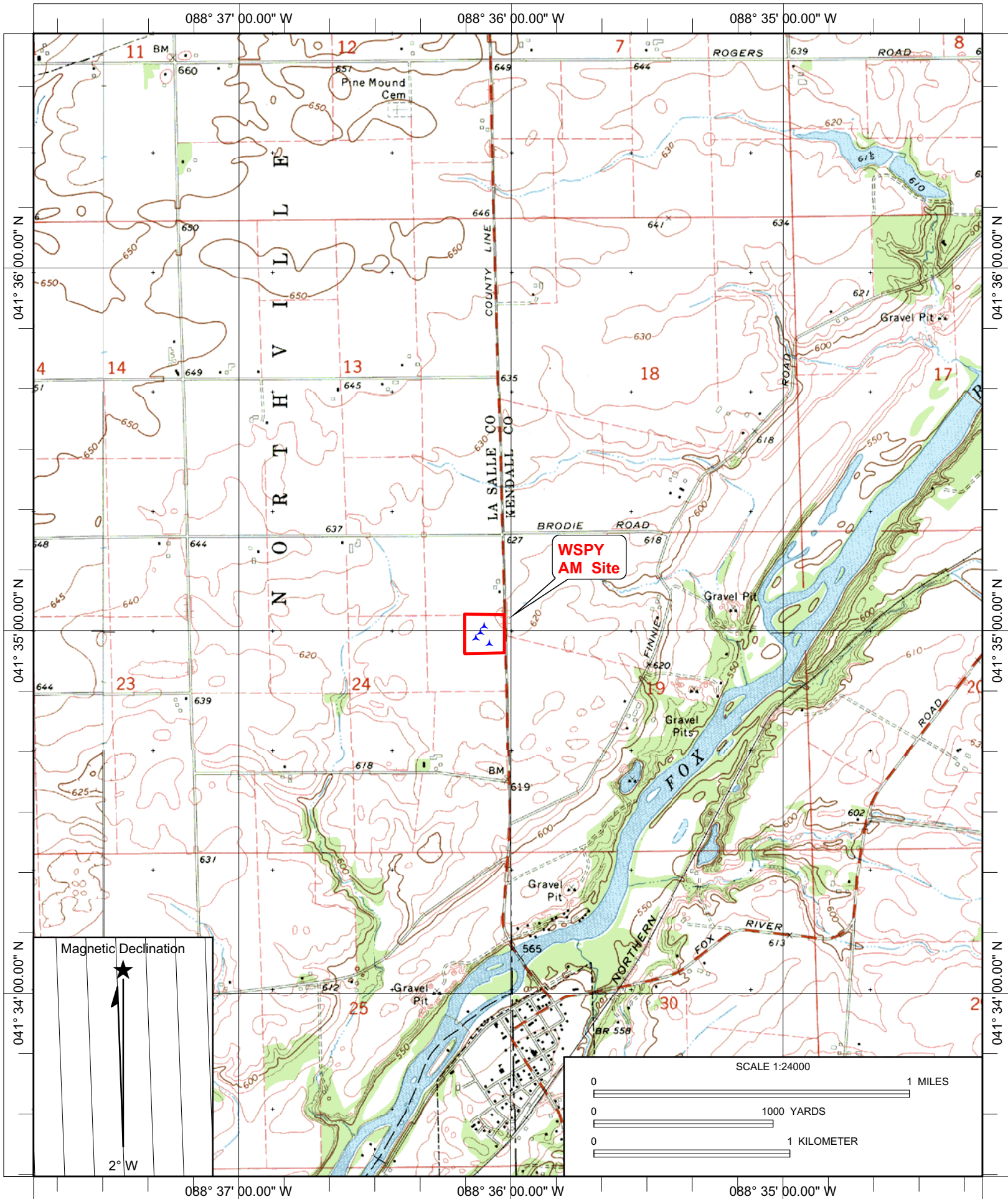
Public Act 094-0728

HB3183 Enrolled

LRB094 07387 AJO 37546 b

(Source: P.A. 90-522, eff. 1-1-98.)

Section 99. Effective date. This Act takes effect upon becoming law.



Name: NEWARK (IL)  
 Date: 1/22/2008  
 Scale: 1 inch equals 2000 feet

Location: 041° 35' 04.25" N 088° 36' 00.72" W NAD 27  
 Caption: WSPY New Am Site  
 T2= 41-34-59.5  
 88-36-06.5  
 NAD 27

## Tracks

Name: wspy am tower land

Distance: 2625 feet

Area: 9.886 acres

0.015 sq. miles

Log Points: 5

## Markers

Name: <No Name>

Short Name: T1

Coordinates: 041° 34' 58.54" N, 088° 36' 07.44" W

Name: <No Name>

Short Name: T2

Coordinates: 041° 34' 59.53" N, 088° 36' 06.46" W

Name: <No Name>

Short Name: T3

Coordinates: 041° 35' 00.46" N, 088° 36' 05.55" W

Name: <No Name>

Short Name: T4

Coordinates: 041° 34' 57.68" N, 088° 36' 04.48" W

## Labels

Name: WSPY AM Site

Coordinates: 041° 35' 01.76" N, 088° 36' 00.53" W





## WSPY AM Site

Northeast  
45 Deg. T.



## WSPY AM Site

East  
90 Deg. T.





**WSPY AM Site**  
Southeast  
135 Deg. T.



**WSPY AM Site**  
South  
180 Deg. T.



**WSPY AM Site**  
Southeast  
225 Deg. T.



**WSPY AM Site**  
West  
270 Deg. T.





**WSPY AM Site**  
Northeast  
315 Deg. T.



**WSPY AM Site**  
North  
360 Deg. T.

