

Minnesota Attorney General: Administrative Rules Proceedings

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RULES AS PROPOSED FOR ADOPTION IN FINAL FORM

CHAPTER 49: AGR 1188-1220

STANDARDS, GRADES AND PRICE DIFFERENTIALS FOR MILK AND CREAM FOR MANUFACTURING PURPOSES AND HAULING OF MILK AND CREAM FROM FARM TO RECEIVING STATION OR PROCESSING PLANT

Agr 1188 Grading Procedure for Milk.

~~(a)~~ A. All milk offered for sale and purchased for manufacturing purposes shall be purchased and paid for on the grades adopted herein.

~~(b)~~ B. Grading Procedures. All of ~~T~~the following tests shall be used in determining the grades for milk for manufacturing purposes at the frequencies established by these rules:

1. Bacterial Content Estimates Test;

2. Sediment Test;

3. Abnormalities Detectable by Sight and Odor Test;

4. Antibiotics and Bacterial Growth Inhibitors Test; and,

5. Abnormal Milk Test.

~~(1)~~ C. ~~Methylene-Blue-Reduction~~ Bacterial Content Estimates Test.

1. ~~The-methylene-blue-reduction~~ Either the Resazurin reduction test, the direct microscopic count test, the standard plate count test, or the plate loop count test, described in ~~the-current-edition-of~~ "Standard Methods for the Examination of Dairy Products", published by the American Public Health Association and on file in the office of the commissioner, or other comparable tests approved by the commissioner, shall be used. The tests shall be made at least once during each calendar month.

2. The following grade classification, by bacterial content estimate, shall be used:

Grade classification	Direct microscopic count, standard plate count or plate loop count	Resazurin reduction time to Munsell color standard 5 P 7/4
Grade One (1)		
Can	Not over 500,000 per milliliter.	Not less than 2 1/4 hours.
Bulk	do	Not less than 3 1/4 hours.
Grade Two (2)		
Can	Not over 3,000,000 per milliliter.	Not less than 1 1/2 hours.
Bulk	do	Not less than 2 1/2 hours.
Undergrade		
Can	Over 3,000,000 per milliliter.	Less than 1 1/2 hours.
Bulk	do	Less than 2 1/2 hours.

~~(2)~~ D. Sediment Test~~;~~. Methods~~;--Records~~.

1. Methods. The following shall be acceptable sediment test methods for the purpose of determining the grades of milk for manufacturing purposes:

a. Off-the-Bottom Method. The off-the-bottom sediment test, described in ~~the current edition of~~ "Standard Methods for the Examination of Dairy Products", published by the American Public Health Association and on file in the office of the commissioner~~;--or other comparable tests approved by the commissioner~~ shall be used for sediment testing milk delivered in cans. ~~Comparable tests approved by the commissioner shall be used for sediment testing milk handled in bulk farm tanks.--A record of all sediment tests shall be retained by the person taking them for a period of at least one (1) year thereafter.~~

~~(aa)--Sediment Test;--Off-the-Bottom Method.~~ The sample of milk from which the sediment test is made~~;--using the off-the-bottom method;~~ shall consist of a pint of milk taken by drawing the sediment tester once across the

bottom diameter of the original container of milk simultaneously with the upstroke of the plunger and discharged through a disc with an exposed area of 1 1/8 inch in diameter.

~~(bb)--Sediment-Test;~~ b. Mixed Sample Method. ~~The-commissioner shall-approve-a-mixed-sample-method-for-sediment-testing-milk-handled-in bulk-tanks.--Such-methods-shall-be-devised-so-that-the-results-may-be classified-according-to-the-official-chart-adopted-herein.~~ The mixed sample sediment test of milk from bulk tanks shall be made by drawing one pint of milk from the thoroughly agitated tank of milk and filtering the milk through a lintine disc with an exposed area of .40 inch in diameter.

c. Other Methods. Other comparable methods of equal or greater reliability approved by the commissioner, may be used for sediment testing of milk delivered in cans or handled in bulk farm tanks.

~~(cc)~~ d. ~~Sediment~~ Official Sediment Chart. The sediment test shall be made no less frequently than once each month of a producer's milk deliveries and shall be classified according to the following standards ~~and according-to-the-official-chart-adopted-by-the-commissioner~~:

Pad No. 1.....~~clean.....0.0mg.~~ Not to exceed 0.50 mg sediment...(Acceptable)

Pad No. 2.....~~0.5mg.~~ Not to exceed 1.50 mg sediment...(Acceptable)

Pad No. 3.....~~2.5mg.~~ Not to exceed 2.50 mg sediment...(Probational)

Pad No. 4.....~~5.0mg.~~ Excess of 2.50 mg sediment.....(Illegal)

~~Pad-No.-5.....10.0mg.~~

1. Acceptable milk shall be milk yielding a sediment pad not to exceed Pad No. 2 (1.50 mg sediment).

2. Probational milk shall be milk yielding a sediment Pad No. 3 (in excess of 1.50 mg sediment, but not to exceed 2.50 mg sediment) for a period not to exceed ten calendar days. After said period, such probational milk shall be classified as illegal milk.

3. Illegal milk shall be all milk which contains visible foreign materials, is abnormal in any respect, or yields a sediment in excess of Pad No. 3 (2.5 mg sediment). Such milk shall be dealt with in accordance with Agr 1191.

E. Abnormalities Detectable by Sight and Odor Test.

1. Each delivery or pick up of milk shall be examined by sight and odor to determine the acceptability of the milk. The milk shall look and smell fresh and sweet, and shall be free from objectionable odors that would adversely affect the finished product. It shall have no visible abnormal condition including, but not limited to, curdled, ropy, bloody, or mastitic condition, or visible foreign matter.

F. Antibiotics and/or Bacterial Growth Inhibitors Test.

1. At least four times during each six month period, a separate or co-mingled sample of each producer's milk shall be tested for antibiotic residues and/or bacterial growth inhibitors. The test to be used shall be approved by the commissioner. When a producer's milk shows a positive test, the milk shall be immediately rejected from all markets and shall not be accepted until a subsequent test is negative.

G. Abnormal Milk Test.

1. Examination shall be made of each producer's milk at least four times in each six month period for the presence of unwholesome mammary secretions, whether of an inflammatory, infectious, physiological, or environmental origin.

2. When a herd milk sample exceeds any one of the following screening test results, a somatic cell count using the Direct Microscopic Count Method or equivalent, or the Electronic Cell Count Method shall be made on that sample and the results of the confirmatory test shall be the official result.

a. California Mastitis Test -- Weak Positive (CMT 1+)

b. Modified Whiteside Test -- Positive (1+)

c. Wisconsin Mastitis Test -- WMT value of 21 mm

3. Whenever any of the above confirmatory tests indicate the presence of more than 1,500,000 somatic cells per ml, the dairy plant shall send a notice to the producer informing him of the excessive somatic cell count. The producer's milk may continue to be accepted. However, effective July 1, 1980, whenever two of the last four consecutive somatic cell counts exceed 1,500,000 cells per ml, the dairy plant shall notify in writing both the commissioner and the producer that this has occurred and should the next test also exceed 1,500,000 cells per ml, the producer's milk shall be rejected until abnormal milk tests indicate to the commissioner that satisfactory compliance has been obtained. This notice provision shall remain in effect as long as two of the last four consecutive samples exceed 1,500,000 cells per ml. The next milk sample shall be taken no less than three days and no more than 14 days from the taking of the previous sample. Until July 1, 1980, this provision shall be used as an educational instrument.

H. Records.

1. A record of all tests shall be retained by the person taking the tests for a period of at least one (1) year thereafter.

I. Quality Testing of Milk from New Producer.

1. Every purchaser of milk for manufacturing purposes or for resale to another for manufacturing purposes shall demand and receive with the first milk delivery received from a producer a copy of the record of quality tests of the producer's milk made by a former purchaser during three months immediately preceding such delivery, unless the producer has not delivered such products to any other purchaser during that period. If the previous purchaser, after receiving a written request for such record from the producers or from the new

purchaser, refuses or is unable to comply with such request, the new purchaser shall immediately report such failure or refusal to the commissioner.

2. An examination shall be made on the first shipment of milk from all producers shipping milk to a plant for the first time or following an extended period of nonshipment. The milk shall meet all applicable standards for acceptable milk as defined in this rule. Thereafter, the milk shall be tested in accordance with procedures designated for regular producers.

~~(3)--Other-Examination-Procedures.~~

~~In-addition-to-the-tests-described-above,-each-producer's-milk-shall-be-examined for-visible-foreign-matter,-abnormalities-and-for-undesirable-odors-and-flavors.~~

Agr 1189 Grading of Milk. Deleted.

Agr 1190 Rejected Milk.

A. Whenever ~~four-consecutive-tests-required~~ a sample of a producer's milk is classified as undergrade under ~~Regulation-Agr-1189-(b)-disclose-the-milk-to be-Undergrade,-it-becomes~~ Agr 1188, milk from that producer may be accepted for a period not to exceed four weeks. The producer shall be notified immediately that his milk is classified "undergrade milk".

B. Additional samples shall be tested and classified at least weekly and the producer shall be notified of these test results. If, at the end of the four week period, the producer's milk does not meet the bacterial standards provided for in Agr 1188, the milk shall be rejected for sale and no milk from such producer's premises shall be offered for sale thereafter for human consumption nor shall it be accepted by a dairy plant, until such sale or acceptance is authorized by the commissioner.

C. The commissioner may authorize such sale or acceptance of milk by a dairy plant only after the producer demonstrates that the conditions causing unsanitary milk have been corrected.

Agr 1191 Illegal Milk.

~~Illegal milk is milk which has visible foreign material, which is abnormal in any respect or which has a sediment test in excess of 2.5 mg. as indicated by Pad No. 3.~~

~~(a)~~ A. ~~Illegal Milk;~~ Rejection. Purchases of milk for manufacturing purchasers shall reject all illegal milk immediately. They shall denature it by the addition of a harmless blue coal tar dye approved by the commissioner, shall affix to all cans or containers containing illegal milk a rejection tag provided by the commissioner and shall indicate on the tag the reason for rejection. Under no circumstances shall such tags be removed from the cans or containers by the trucker, handler or any other person while such illegal milk is contained therein. Such illegal milk shall not be sold for human consumption.

~~(b)~~ B. ~~Illegal Milk;~~ Sediment. If ~~the~~ a randomly selected can of milk yields sediment in excess of 2.5 mg., the remaining cans of that delivery of the producer's milk shall be tested and all cans yielding pads in excess of Pad No. 3 shall be declared illegal and shall be rejected, denatured, tagged and returned to the producer.

~~(c)~~ C. ~~Illegal Milk;~~ Sediment; Subsequent Deliveries. Thereafter, sediment tests shall be made of all the cans included in each subsequent delivery of said producer's milk until each can of milk in a delivery shows a sediment of 2.5 mg. or less, but such testing shall not be continued for more than ~~seven (7) such consecutive deliveries~~ ten (10) calendar days. If, ~~on the seventh such consecutive delivery~~ after ten days, any can of the producer's milk yields sediment in excess of 2.5 mg., the producer becomes a rejected patron and no milk from such producer's premises shall be offered for sale thereafter for human consumption nor shall it be accepted by a dairy plant, until sale or acceptance is authorized by the commissioner.

APPROVED AS TO FORM AND LEGALITY
APR 27 1977 19

WARREN SPANNAUS, ATTORNEY GENERAL

BY /s/ Michael B. Miller

SPECIAL ASSISTANT ATTORNEY GENERAL

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED
APR 27 1977 - 10:00 am

Joan Anderson Growe
Secretary of State

307

Paul Strandberg
Special Assistant
Attorney General

April 28, 1977

-AGR 1188 through AGR 1191 governing standards, grades and price differentials for milk and cream for manufacturing purposes.

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING STANDARDS, GRADES AND PRICE DIFFERENTIALS FOR MILK AND CREAM FOR MANUFACTURING PURPOSES---AGR 1188 THROUGH AGR 1191

ORDER ADOPTING RULES

The above-entitled matter came on for hearing before Robert W. Herr, Office of Hearing Examiners of the State of Minnesota on the 18th day of January, 1977, at 10:00 a.m. in Conference Room D of the Veteran's Service Building in the City of St. Paul, Minnesota after proper notice required by M.S. 1974, Section 15.0412 was served upon all persons, associations, and other interested groups registered with the Secretary of State for that purpose.

After affording interested persons an opportunity to present written and oral data, statements and arguments, having heard all of the testimony, having considered all of the evidence adduced and upon the records, files and proceedings herein, and applicable statutory standards or criteria, and having confirmed the need for the above captioned rules and the reasonableness thereof,

NOW, THEREFORE, IT IS ORDERED that these amendments to rules identified as AGR 1188, AGR 1190, and AGR 1191, and the deletion of AGR 1189 are adopted this 4th day of March, 1977, pursuant to authority vested in me by Minn. Stat. 1974, Sec. 15.0412 and Sec. 32.401, Subd. 1.

STATE OF MINNESOTA

Jon Wefald

Jon Wefald

Commissioner of Agriculture

STATE OF MINNESOTA
DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING GRADING PROCEDURES FOR MILK FOR MANUFACTURING PURPOSES	))))	NOTICE OF HEARING

NOTICE IS HEREBY GIVEN that a public hearing on the above-entitled matter will be held in Conference Room D, Veterans Services Building, 20 W. 12th Street and Columbus Avenue, Saint Paul, Minnesota on January 18, 1977, commencing at 10:00 a.m., or as soon thereafter as possible and continuing until all persons have had an opportunity to be heard.

All interested or affected persons will have an opportunity to participate. Statements may be made orally and written materials may be submitted at the hearing. In addition, written materials may be submitted by mail to Myron Greenberg, Esq., Office of Hearing Examiners, 1745 University Avenue, Room 300, Saint Paul, Minnesota 55104, phone (612) 296-6910 either before the hearing or within 20 days after the close of the hearing.

The proposed rules, if adopted, would revise rules Agr. 1188 through Agr. 1191 regarding standards for milk for manufacturing purposes for milk quality testing, milk sediment testing, and new screening testing for abnormal milk, so as to be in uniformity with U.S.D.A. regulations. Copies of the proposed rules are now available and one free copy may be obtained by writing to the Minnesota Department of Agriculture, 420 State Office Building, Saint Paul, Minnesota 55155. Additional copies will be available at the door on the date of the hearing. The department's authority to promulgate the proposed rules is contained in M.S. 1974, Sec. 32.401, Subd. 1. A "statement of need" explaining why the department feels the proposed rules are necessary and a "statement of evidence" outlining the testimony they will be introducing will be filed with the Hearing Examiners Office at least 25 days prior to the hearing and will be available there for public inspection.

Please be advised that pursuant to M.S. 1974, Sec. 10A.01, Subd. 11, any individual engaged for pay or other consideration for the purpose of representing persons or associations attempting to influence administrative action, such as the promulation of these rules, must register with the Minnesota State Ethical Practices Board, 410 State Office Building, Saint Paul, Minnesota 55155, as a lobbyist within five days of the commencement of such activity by the individual.

STATE OF MINNESOTA

Jon Wefald
Commissioner of Agriculture

Date: December 13, 1976

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING GRADING PROCEDURES FOR MILK FOR MANUFACTURING PURPOSES	))))	ORDER FOR HEARING

IT IS HEREBY ORDERED that a public hearing on the above-captioned rules be held in Conference Room D, Veterans Services building, 20 W. 12th Street and Columbus Avenue, Saint Paul, Minnesota on January 18, 1977, commencing at 10:00 a.m. or as soon thereafter as possible and continuing until all persons have had an opportunity to be heard.

IT IS FURTHER ORDERED that a Notice of Hearing be mailed to all persons, representatives of associations, and other interested groups who have registered their names with the Secretary of State for that purpose.

IT IS FURTHER ORDERED that the Notice of Hearing be published in the State Register.

STATE OF MINNESOTA

Jon Wefald

Commissioner of Agriculture

Date: November 23, 1976

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING STANDARDS, GRADES AND PRICE DIFFERENTIALS FOR MILK AND CREAM FOR MANUFACTURING PURPOSES---AGR 1188 THROUGH AGR 1191.	STATEMENT OF NEED AND EVIDENCE

The above captioned rules are amendments to existing rules of the Department of Agriculture.

The last time the above captioned rules were amended was March 26, 1959.

The department will call no expert witnesses.

The department will be represented by the following staff: Orlowe Osten, Director of the Division of Dairy Industries, Harold Johnson, Dairy Inspection Supervisor, and Paul Strandberg, Special Assistant Attorney General.

The department intends to introduce no manuals, books, scientific treatises, or other documentary evidence.

The need to amend these rules arises from changes in the recommended requirements for testing and grading of manufacturing milk promulgated by the United States Department of Agriculture (USDA) and changes in the standards set by neighboring states in conformance with those changes by the USDA. It is important to conform with the standards set by the USDA in that the USDA buys products and provides grading services at Minnesota dairy plants. USDA has authority to refuse to accept milk from an unapproved plant for commodity programs or for government price support programs and to refuse grading services to plants not in conformance with USDA standards. In addition, it is important that standards for the purchase of milk be consistent between states to discourage "creamery shopping" by dairy farmers who are near state borders. If a Minnesota plant has stricter standards than an Iowa or a Wisconsin plant (both of which states have adopted the USDA's standards) the normal competitive market for patrons will be disrupted, and Minnesota processors will lose patrons.

Likewise, if Minnesota has less stringent standards, out of state producers will be unfairly influenced to sell their milk to Minnesota processors. In addition, several milk processors, which are located near state borders, have plants on both sides of the border. Differing standards would place an unnecessary burden on such plants who would be forced to comply with two different sets of requirements. Associations of both producers and processors have requested that Minnesota's rules be made to conform with the USDA's standards and neighboring states in order to avoid the above difficulties.

Agr 1188, Grading Procedure for Milk.

Agr 1188 B., clauses 1 through 5 list the tests which are to be used in determining grades of manufacturing milk. The first three tests set forth were all performed under the existing rules, but the methods have been changed to some degree as will be discussed later. Tests 4 and 5 are new procedures which will also be discussed.

Agr 1188 C., establishes the permissible means for testing for the bacterial content of milk. The bacteria count is used as the primary factor in grading and as a factor in pricing since the presence of bacteria makes a difference in the flavor of milk and can cause protein breakdown within milk. Also, various types of bacteria are difficult to pasteurize and, therefore, the presence of bacteria in the final product is related to the bacteria count in the raw product. Thus, the bacteria count directly reflects the wholesomeness and value of the product. In the past, Agr 1188 C. provided that bacteria testing should be done by the methylene blue reduction test or other comparable methods. "Other comparable methods" have, in practice, included the direct microscopic count test and the other actual count methods now explicitly set forth in the proposed rule. The Resazurin reduction test, recommended by the USDA, has replaced the methylene blue reduction test for several reasons. Both the methylene and Resazurin tests involve the addition of a dye to a sample of milk. The dye reacts with the bacteria present in the milk sample, with a reaction speed proportional to the amount of bacteria present in the sample. That is, the more bacteria in the sample, the quicker the dye color will change.

In the methylene blue test, the color of the sample eventually reverts to the natural milk color and, in the Resazurin test, the sample reverts to a color known as "Munsell color standard 5 P 7/5" which is evidenced on a demonstration card that each tester possesses. The Resazurin test is preferred because it can be performed in exactly half the time; it is fully as accurate; and the procedures are no more difficult than the methylene blue test. The direct microscopic count test, the standard plate count test and the plate loop count test are all methods of actually counting the number of bacteria present in a sample, and are all equally accurate.

Bacterial standards for Grades One, Two and Undergrade milk are set forth in Agr 1188 C. 2. The predecessor to this section, Agr 1189, established that by the methylene blue reduction test, Grade One milk should not lose its color in five and one-half hours; Grade Two should decolorize in more than two and one-half hours, but in less than five and one-half hours. Undergrade milk was defined as any milk which decolorized in less than two and one-half hours or was of the same quality as indicated by comparable tests. Under the prior rules, the commissioner determined that direct bacteria count methods, equivalent to the methylene blue reduction times, indicated count figures of less than 200,000 per milliliter for Grade One, less than 2,000,000 for Grade Two, and more than 2,000,000 for Undergrade. The department proposes to change these standards. Whereas, a straight conversion of methylene blue to Resazurin reduction times would provide for reduction times of at least two and three-fourths hours for Grade One, one and one-fourth to two and three-fourths hours for Grade Two and less than one and one-fourth hours for Undergrade milk, the proposed rules set different standards for each grade and makes a distinction within each grade between milk bought in cans and that delivered in bulk for purposes of the Resazurin reduction time.

The permissible bacteria count for Grade One has been increased to 500,000 per milliliter from 200,000 per milliliter, and the reduction time has been decreased to two and one-fourth hours for can milk and increased to three and one-fourth hours for bulk milk. The revised figures, while

superficially reflecting a lowering of standards, primarily constitute an adjustment to improved knowledge in conformance with the USDA standards. The relationship between the direct count and the reduction methods has been altered to become more closely equivalent. The experience of the Department and research performed since the standards were first established indicate that the old direct count standard was, in fact, more stringent than the supposedly comparable reduction test measure. That is, milk which would be Grade One according to the reduction test would often grade as Grade Two under the direct count methods. According to the best information available to the department, the reduction test standards as proposed accurately reflect the bacteria count, and tests by each method reach similar results.

In addition, a differential is established in the reduction test for each grade between milk sold in cans and that sold in bulk. This different treatment is proposed since bulk milk is, as a rule, picked up every 48 hours after having been stored in a cooler at less than 40 degrees. Can milk, on the other hand, is generally picked up every day and is not stored at such low temperatures. Because of this difference in storage, bacteria in bulk milk do not respond as quickly to the reduction test, and additional reduction time is required in order to reflect an accurate bacteria count. The standards for Grade Two and, as a result, Undergrade milk, also reflect the increased knowledge now available and, in addition, are substantively changed. The permissible bacteria count for Grade Two is raised from 2,000,000 to 3,000,000 and the reduction time is raised from the equivalent of one and one-fourth hours to one and one-half hours for can milk and two and one-half hours for bulk. These somewhat loosened standards conform to the USDA recommendations and the difference will not significantly be reflected in the quality of Grade Two milk. As stated before, the cut-off line for Undergrade milk has been changed as a result of the changed Grade Two standards. The consequences of a determination that milk is Undergrade are discussed in Agr 1190, below.

Agr 1188 D. sets forth various methods for testing the sediment content of milk. Sediment tests measure the amount of any sinking foreign substance

in milk. Sediment is an important factor in the grading of milk since it takes expense to clean the milk to the necessary level of cleanliness for sale, and some of the dirt remains absorbed in the milk which reflects upon the wholesomeness of the milk. Although some language is changed and clarified, the new version of the "off the bottom" method sediment test remains basically the same. However, the pad from which the determination of sediment is made is explicitly stated to be "a disc with an exposed area of one and one-eighth inch in diameter," whereas, the prior regulation left the disc size unstated. The mixed sample method, which was left unexplained in the old rules, is now explicitly set forth. In this method, a disc with a .40-inch diameter, smaller than that for the "off the bottom" test, is used, since the milk sample when mixed is always cleaner than that scraped off the bottom of cans where sediment normally accumulates. By using a smaller disc, the dirt in the cleaner milk is more concentrated than it would be on the larger disc used in the "off the bottom" method. In case of unforeseen changes in dairy technology or the invention of better sediment measures, discretion is left to the commissioner to adopt procedures to implement such changes.

The official sediment chart set forth in Agr 1188 D. 1. d. has been revised and simplified. The standard for illegal milk, that with in excess of 2.50 milligrams sediment, has not changed from that set forth before in Agr 1191. However, a new category of probational milk is established for milk with a sediment content in excess of 1.50 milligrams, but less than 2.50 milligrams. If a producer's milk continues to be in a probational status for more than ten consecutive days, it then becomes illegal. Increasing the strictness of the sediment standards in compliance with the USDA recommendations is considered desirable since it reflects the increased cleanliness and efficiency of modern dairy operations. However, the hazard from probational milk is not deemed to be great enough to warrant immediate rejection of the milk, but the department believes that the producer should be given a chance to clean up his operation, once probational status is attained, before the producer's milk will be rejected.

Agr 1188 D. 1. d. 3., defines the additional categories of illegal milk, other milk which is initially probational, and refers to Agr 1191 which states the method in which illegal milk must be treated. This proposed section adopts language previously contained in Agr 1191.

Agr 1188 E., combines the provisions set forth in the earlier version of Agr 1188 b. 3. and Agr 1191, and makes no substantive changes.

Agr 1188 F., sets forth a requirement that milk be tested periodically to detect the presence of antibiotics or bacterial growth inhibitors. This is important because antibiotics and inhibitors contained in the raw milk are transmitted to the finished product. The presence of such substances can be a great hazard because many people are hypersensitive to the presence of such antibiotics, and, therefore, grave reactions can occur from exposure to them in milk products. These tests were not required in the prior versions of the rule since the awareness of the hazards from antibiotics in milk has developed only recently, and now both the USDA and the Federal Food and Drug Administration say that there can be no tolerance for antibiotics in manufactured milk products. The inspection rate of four times during each six-month period is designed to provide a reasonable chance to randomly monitor each producer's milk in order to prevent improper use of antibiotics.

Agr 1188 G., as proposed, sets forth another new test, the abnormal milk test, to check for the presence of somatic cells. It is important to check for evidence of infection, as indicated by the somatic cell count, since somatic cells, otherwise known as leucocytes or white blood cells, at a level in excess of 1,500,000 somatic cells per milliliter could lead to potentially unwholesome milk. Currently, the 1,500,000 figure is set as the permissible level for Grade A milk, that milk which is primarily sold for consumption in liquid form.

This section provides for examination four times semi-annually of milk in order to check for somatic cells. The primary cause of somatic cells is infections of the udder, in particular, mastitis. For this reason, three well known mastitis tests are permitted as screening aids. The most commonly used method is the Wisconsin mastitis test. The Wisconsin test is the most accurate,

and the most widely used of the screening tests for detecting infection in milk samples, but it is a laboratory test and cannot be simply performed on the farm, although, like the other tests, it is a simple mechanical procedure that anyone in the industry can easily perform. The California mastitis test is primarily used at cow side in order to check individual animals for the presence of mastitis. The modified Whiteside test is somewhat more complicated than the California mastitis test and is, perhaps, not quite as accurate as the Wisconsin mastitis test so, therefore, it is not widely used. However, it is accurate enough for the purposes of detecting the presence of somatic cells, and it is permitted by the USDA standards. Therefore, the Whiteside test is set forth as a permissible test under the proposed rules.

The results set forth after each testing method, i.e., "Weak Positive (CMT 1+)", "Positive (1+)", and "WMT value of 21 mm" are the level of reaction to infection which roughly indicate the presence of somatic cells at a rate of 1,500,000 per milliliter. When one of these results is obtained, Agr 1188 G. 2. provides that more direct cell count measures shall be used to confirm the test results in order to be sure that infection is present before alerting the producer.

The 1,500,000 count standard for rejection of milk is not immediately effective, but will take effect on July 1, 1980. This date was set by the USDA in order to give the industry time to clean up and time to become accustomed to a new method of grading in order that undue hardship will not be suffered by producers. For this reason, the tests will be performed as of the effective date of the rule changes. The initial test and confirmatory tests of direct microscopic count method or electronic cell count method will be made, and producers will be informed of the results in order to educate producers as to methods of contamination control and the causes of such infections which affect the milk.

Agr 1188 H., provides that all test records shall be retained for at least one year after tests were made. This requirement is identical to that set forth in the current rules in Agr 1188 a. 2. and Agr 1194.

Agr 1188 I., provides for the quality testing of milk received for the first time from producers who have not previously sold to that processor. Current practice and policy is for each purchaser of milk to receive a copy of a producer's quality test records from any former purchaser for the prior three months upon the first milk delivery from a new producer. This requirement is codified in the proposed rules, and, in addition, an examination of the first milk shipment in order to check compliance with applicable milk standards is provided for. These requirements hopefully ensure that a new producer's milk, with which the new purchaser has no experience, will meet wholesomeness and quality standards.

Agr 1189 has been deleted since the grading standards therein are set forth in Agr 1188 as proposed.

Agr 1190 establishes the procedure as to the handling of milk that is classified as Undergrade pursuant to section C of Agr 1188. The changes to the language are meant to clarify when samples are to be taken of milk in order to determine whether the producer can bring his milk into compliance with the bacterial standards of Agr 1188. In addition, a requirement is added that once a producer's milk has been rejected from sale, the producer's milk can be accepted only after a producer demonstrates to the commissioner that the conditions causing unsanitary milk have been corrected. The provisions outlining the producer's duty to demonstrate improvement are proposed in order that the commissioner shall have some guidance in his determination as to whether to allow a producer to resume the sale of milk after having had milk rejected.

Agr 1191 sets forth the procedures for the disposition of illegal milk. The definition of illegal milk originally contained in the first paragraph is stricken since this definition is set forth in Agr 1188 D. 3. of the proposed rules. Other changes are made for the sake of clarification. In addition, the time in which a patron can deliver illegal milk before becoming a rejected patron is increased from seven to ten days. This change brings the rule into conformance with the USDA guidelines and, in addition, allows the producer slightly more time in order to clean up his operation before his milk is automatically rejected. The public health is still protected since illegal milk will be rejected.

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING GRADING PROCEDURES FOR MILK FOR MANUFACTURING PURPOSES	CERTIFICATE OF DELIVERY SECRETARY OF STATE LIST

I hereby certify that the attached 502 labels & 5 sheets constitute the complete list of persons, associations, and other interested groups who as of 10:15 o'clock A M., this 14th day of Dec., 1976 have requested pursuant to M.S. 1974, Sec. 15.0412, that their names be placed on file with the Secretary of State for the purpose of receiving notice of public hearing on proposed rules on the subject captioned above.

SECRETARY OF STATE

Joan Anderson Growe

By Ceil Dixon

Mr. E. A. Juntunen & Sons
Meadowbrook Dairy
Esko, MN 55733

Mr. Rance Slater, Mgr.
Aitkin Co-op. Creamery Assn.
Aitkin, MN 56431

Mr. Roy Peterson, Mgr.
Twin Ports Co-op. Dairy Assn.
Moose Lake, MN 55767

Mr. C. E. Halgrimson, Mgr.
Palisade Co-op. Creamery Assn.
Palisade, MN 56469

Mr. B. E. Budahn, Mgr.
Bongards' Creameries
Bongards, MN 55311

Mr. George Morris, Mgr.
Blackduck Co-op. Creamery
Blackduck, MN 56630

Mr. Douglas J. Fenske, Mgr.
Fenske and Associates, Inc.
Waconia, MN 55387

Mr. Edwin T. Aschenbrenner, Mgr.
Gilman Co-op. Creamery
Gilman, MN 56333

Mr. Calvin I. May, Mgr.
Farmers Co-op. Creamery Assn.
Pillager, MN 56473

Mr. Donald Salzer, Mgr.
Oak Park Co-op. Creamery Assn.
Oak Park, MN 56357

Mr. Bernard Baumann, Mgr.
Farmers Co-op. Creamery Assn.
Division of First District Assn.
Montevideo, MN 56265

Mr. Warren Reese, Mgr.
Rice Farmers Co-op. Creamery
Co., Inc.
Rice, MN 56367

Mr. Roy Wenell, Mgr.
Almelund Creamery Company
Almelund, MN 55002

Mr. Glen B. Anderson, Mgr.
Anderson Custom Processing
Sleepy Eye, MN 56085

Mr. Curtis Klund, Mgr.
North Branch Dairy & Produce
North Branch, MN 55056

Mr. Marvin Schutt, Mgr.
Associated Milk Producers, Inc.
New Ulm, MN 56073

Mr. Ralph Carlson, Mgr.
Shafer Creamery Company
Shafer, MN 55074

Mr. O. G. Mogen, Mgr.
Kraftco Corporation
Kraft Foods Co.
New Ulm, MN 56073

Mr. Thomas R. Larson, Mgr.
Associated Milk Producers, Inc.
Bagley, MN 56621

Mr. Gerald Marquardt, Mgr.
Mid-America Dairymen, Inc.
Essig, MN 56030

Mr. Theodore Lundmark, Mgr.
Leonard Co-op. Creamery Assn.
Leonard, MN 56652

Mr. James Kohnen, Mgr.
Springfield Co-op. Creamery
Assn.
Springfield, MN 56087

Mr. Warren Anderson, Mgr.
Land O'Lakes, Inc.
Mountain Lake, MN 56159

Mr. Clyde Homstad, Mgr.
Cromwell Co-op. Creamery Assn.
Cromwell, MN 55726

Mr. Daniel Oftedahl, Mgr.
Rose Co-op. Creamery Assn.
Eagle Bend, MN 56446

Mr. Norris Stowell, Mgr.
The Blue Ox Co-operative
Brainerd, MN 56401

Mr. Michael E. Hausmann
Valley Creamery Assn.
Garfield, MN 56332

Mr. John Goerss, Mgr.
Mid-America Dairymen, Inc.
Farmington, MN 55024

Mr. Clinton Ewalt, Mgr.
Granger Farmers Co-op. Creamer:
Granger, MN 55937

Mr. David Digre, Mgr.
SKB Products
Claremont, MN 55024

Mr. Arlie Larson, Mgr.
Land O'Lakes, Inc.
Spring Valley, MN 55975

Mr. Elmer Enstad, Mgr.
Vernon Co-op. Creamery Assn.
Hayfield, MN 55940

Mr. Eldon Smith, Mgr.
Meadow Land Dairy Assn.
Mabel, MN 55954

Mr. Bernard Scherger, Mgr.
West Concord Butter & Cheese
Assn.
West Concord, MN 55985

Mr. Wendell Watts, Mgr.
Meadow Land Dairy Assn.
Preston, MN 55965

Mr. Marvin Shequin, Jr., Mgr.
Garfield Co-op. Creamery Assn.
Garfield, MN 56332

Mr. Charles Ebner, Mgr.
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Preston, MN 55965

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Wykoff Co-op. Creamery Co.
Wykoff, MN 55990

Mr. Bernard Danelke, Mgr.
Millerville Co-op. Creamery Assn.
Brandon, MN 56315

Mr. Richard J. Haug, Mgr.
Clarks Grove Co-op. Cry. Assn.
Clarks Grove, MN 56016

Mr. Ernest Salvog, Mgr.
Miltona Creamery Assn.
Miltona, MN 56354

Mr. Kenneth L. Heine, Mgr.
Conger Co-op. Creamery Co.
Conger, MN 56020

Mr. Hy Chouanard, Mgr.
Nelson Creamery Assn.
Nelson, MN 56355

Mr. R. J. Furman, Mgr.
Freeborn Foods Company
Albert Lea, MN 56007

Mr. James Eveslage, Mgr.
Osakis Creamery Assn.
Osakis, MN 56360

Mr. Franklin Pierce, Mgr.
Geneva Co-op. Creamery
Geneva, MN 56035

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Land O'Lakes, Inc.
Dalbo, MN 55017

Mr. Rex Stout, Mgr.
Mid-America Dairymen, Inc.
Twin Lakes, MN 56089

Mr. Eldon Evans, Mgr.
Sioux Valley Co-op. Cry. Co.
Lake Park, IA 51347

Mr. Gordon Anderson, Mgr.
Land O'Lakes, Inc.
Pine Island, MN 55963

Mr. Kenneth Scheriel, Mgr.
Associated Milk Producers, Inc.
Mora, MN 55051

Mr. Jerome O'Connor, Mgr.
Maple Island, Inc.
Wanamingo, MN 55983

Mr. Robert Dahlof, Mgr.
Land O'Lakes, Inc.
Mora, MN 55051

Mr. Milo Swenke, Mgr.
Mid-America Dairymen, Inc.
Zumbrota, MN 55992

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Atwater Creamery Co.
Atwater, MN 56209

Mr. Victor Luebke, Mgr.
North Star Creamery Co.
Kenyon, MN 55946

Mr. Howard Swenson, Mgr.
Lake Lillian Co-op. Cry. Assn.
Lake Lillian, MN 56253

Mr. Palmer Rugroden, Mgr.
Hoffman Co-op. Creamery Assn.
Hoffman, MN 56339

Mr. Stanley A. Olson, Mgr.
New London Creamery Assn.
New London, MN 56273

Mr. Gene Paul, Mgr.
National Farmers Organization
Plymouth, MN 55441

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First District Assn.
Sunburg Branch
Sunburg, MN 56289

Mr. Raymond Marks, Mgr.
Houston-Money Creek Co-op. Cry.
Houston, MN 55943

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Community Creamery
Lake Bronson, MN 56734

Mr. Merrill J. Burmeister, Mgr.
Land O'Lakes, Inc.
Caledonia, MN 55921

Mr. R. B. Anderson, Mgr.
Lancaster Creamery
Lancaster, MN 56735

Mr. W. B. Potter, Mgr.
Potter Cheese Factories, Inc.
Hokah, MN 55941

Mr. Douglas Atherton, Mgr.
Elysian Co-op. Creamery Assn.
Elysian, MN 56028

Mr. Matt Schiltz, Mgr.
Schiltz Farms, Inc.
Caledonia, MN 55921

Mr. Jean-Claude Bruneau, Mgr.
Fromagerie Bongrain U.S.A., Inc.
Le Sueur, MN 56058

Mr. John Holm, Mgr.
Braham Co-op. Creamery Assn.
Braham, MN 55006

Mr. Ervin Diedrich, Mgr.
Winsted Farmers Co-op. Creamery Assn.
Winsted, MN 55395

Mr. Lloyd Benson, Mgr.
Cass-Clay Creamery, Inc.
Waubun, MN 56589

Mr. Amos L. Thompson, Mgr.
Grygla Co-op. Creamery Assn.
Grygla, MN 56727

Mr. Freland Barlau, Mgr.
Cedar Mills Co-op. Creamery Assn.
Cedar Mills, MN 55351

Mr. Ivan Payne, Mgr.
Corvuso Creamery Co.
Cosmos, MN 56228

Mr. Waldon Newstrom, Mgr.
Dassel Co-op. Dairy Assn.
Dassel, MN 55325

Mr. Ronald Leaf, Mgr.
First District Assn.
Litchfield, MN 55355

Mr. Glenn M. Bulau, Mgr.
Forest City Co-op. Creamery Assn.
Litchfield, MN 55355

Mr. Harold Allen, Mgr.
Land O'Lakes, Inc.
Litchfield, MN 55355

Mr. Carl Arveson, Mgr.
Modern Craftsmen's Milk Assn.
Watkins, MN 55389

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Bock Co-op. Creamery
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Mr. David Lindell, Mgr.
Farmers Co-op. Creamery Co.
Foreston, MN 56330

Mr. Herbert Zelmer, Mgr.
Kilkenny Creamery Assn.
Kilkenny, MN 56052

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Le Sueur Creamery, Inc.
Le Sueur, MN 56058

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Associated Milk Producers, Inc.
Lake Benton, MN 56149

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Farmers Co-op. Creamery Assn.
Hendricks, MN 56136

Mr. Daryl Swan, Mgr.
Farmers Co-op. Creamery Assn.
Balaton, MN 56115

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Schwan's Sales Enterprises, Inc.
Marshall, MN 56258

Mr. J. D. Holt, Mgr.
Southwestern Minnesota Dairy Assn.
Russell, MN 56169

Mr. Harlan Fischer, Mgr.
Brownton Co-op. Creamery Assn.
Brownton, MN 55312

Mr. Leonard Pavlish, Mgr.
Glencoe Butter & Produce Assn.
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Winsted, MN 55395

Robert W. Thunstrom, Mgr.
Round Grove Co-op. Creamery Assn.
Stewart, MN 55385

Mr. David Werner, Mgr.
West Lynn Co-op. Creamery Assn.
Hutchinson, MN 55350

Mr. Henry Boros, Mgr.
Sobieski Co-op. Creamery Assn.
Little Falls, MN 56345

Mr. Elmer Schmidt, Mgr.
Swanville Co-op. Creamery Assn.
Swanville, MN 56382

Mr. H. Holmgren, Mgr.
Upsala Co-op. Creamery Assn.
Upsala, MN 56384

Corliss Jacobson, Mgr.
LeRoy Co-op. Creamery Assn.
LeRoy, MN 55951

Joyce Johnson, Mgr.
Racine Creamery Assn.
Racine, MN 55967

Mr. S. M. Davis, Mgr.
Nicollet Food Products, Inc.
Nicollet, MN 56074

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St. Peter Creamery, Inc.
St. Peter, MN 56082

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Worthmore Ice Cream Co.
Worthington, MN 56187

Mr. Robert Anderson, Mgr.
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Rock Dell Co-op. Creamery Co.
Byron, MN 55920

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Princeton Co-op. Creamery Assn.
Princeton, MN 55371

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Anderson Custom Processing
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Buckman Farmers Co-op. Creamery Assn.
Buckman, MN 56317

Mr. Ronald Dingmann, Mgr.
Elmdale Creamery Assn.
Bowlus, MN 56314

Mr. LeRoy Schlumpberger, Mgr.
Flensburg Co-op. Creamery Assn.
Flensburg, MN 56328

Mr. Gerald Wagner, Mgr.
Lastrup Co-op. Creamery
Lastrup, MN 56344

Mr. Charles Watercott, Mgr.
Little Rock Co-op. Creamery Co.
Royalton, MN 56373

Mr. Louis Waltman, Mgr.
Mid-America Dairymen, Inc.
Little Falls, MN 56345

Mr. Richard Lucking, Mgr.
Pierz Co-op. Assn.
Pierz, MN 56364

Mr. Norman Zabloski, Mgr.
Ramey Farmers Co-op. Creamery
Foley, MN 56329

Mr. Terry Freese, Mgr.
Royalton Co-op. Creamery Assn.
Royalton, MN 56373

Mr. Klemens Gigstad, Mgr.
Thief River Falls Co-op.
Creamery Assn.
Thief River Falls, MN 56701

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Hinckley Co-op. Creamery Assn.
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Pine City, MN 55063

Mr. Harold Bolt, Mgr.
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Edgerton, MN 56128

Mr. Michael Foley, Mgr.
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Erskine Creamery Assn.
Erskine, MN 56535

Mr. Arlin Rice, Mgr.
Fertile Creamery Assn.
Fertile, MN 56540

Mr. Don Niemala, Mgr.
Land O'Lakes, Inc.
Fosston, MN 56542

Mr. Russell Johnson, Mgr.
McIntosh Co-op. Creamery Assn.
McIntosh, MN 56556

Ms. Janice Helgeson, Mgr.
Rindal Co-op. Dairy Assn.
Fertile,MN 56540

Mr. Clayton Rawhauser, Mgr.
Winger Milk
Winger, MN 56592

Mr. Curtis Gunvalson, Mgr.
Farmers Creamery
Cyrus, MN 56323

Mr. Norman Warwick, Mgr.
Associated Milk Producers, Inc.
Pelican Rapids, MN 56572

Mr. Irvin Wallgren, Mgr.
Bluffton Co-op. Creamery Assn.
Bluffton, MN 56518

Mr. Stanley Nelson, Mgr.
Dalton Co-op. Creamery Assn.
Dalton, MN 56324

Mr. Donald Kowalski, Mgr.
Elizabeth Creamery Assn.
Elizabeth, MN 56533

Mr. Ervin Vorgert, Mgr.
Land O'Lakes, Inc.
Perham, MN 56573

Mr. John Groff, Mgr.
Mid-America Dairymen, Inc.
Fergus Falls, MN 56537

Mr. Lester Miller, Mgr.
Perham Co-op. Creamery Assn.
Perham, MN 56573

Mr. Darrel Hesse, Mgr.
Underwood Co-op. Creamery Assn.
Underwood, MN 56586

Mr. Richard Lorsung, Mgr.
Urbank Co-op. Creamery Assn.
Parkers Prairie, MN 56361

Mr. Thomas Cullen, Mgr.
Farmers Co-op. Creamery Assn.
Goodridge, MN 56725

Mr. Lawrence Wold, Mgr.
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Bridgeman Division
Thief River Falls, MN 56701

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Lakeside Co-op. Creamery Assn.
Buffalo Lake, MN 55314

Mr. Art Mahagnoul, Mgr.
Land O'Lakes, Inc.
Faribault, MN 55021

Mr. Glen Hasse, Jr., Mgr.
Ryt-Way Packaging Corporation
Northfield, MN 55057

Mr. Martin Beneke, Mgr.
Treasure Cave
Div. of Swift & Co.
Faribault, MN 55021

Mr. Harvey Wandersee, Mgr.
Land O'Lakes, Inc.
Luverne, MN 56156

Mr. Clarence Benson, Mgr.
Terrace Park Dairy
Luverne, MN 56156

Mr. Clifford Skime, Mgr.
Land O'Lakes, Inc.
Roseau, MN 56751

Mr. Duane Edberg, Mgr.
Wannaska Creamery Assn.
Wannaska, MN 56761

Mr. Melvin Aysta, Mgr.
Aysta Dairy
Virginia, MN 55792

Mr. Vern Willert, Mgr.
Land O'Lakes, Inc.
Bridgeman Division
Duluth, MN 55805

Mr. Eugene Anderson, Mgr.
Lester River Dairy, Inc.
Duluth, MN 55804

Mr. Arlen Anderson, Mgr.
Farwell Co-op. Creamery Assn.
Farwell, MN 56327

Mr. Ray Schweiters, Mgr.
Glenwood Creamery
Glenwood, MN 56334

Mr. Gene Watnaas, Mgr.
Starbuck Creamery Co.
Starbuck, MN 56381

Mr. Frank Gerrish, Mgr.
Breakstone-Sugar Creek Foods
St. Paul, MN 55114

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Brooks Cheese Factory, Inc.
Brooks, MN 56715

Mr. Delton Sebenaler, Mgr.
Oklee Creamery Assn., Inc.
Oklee, MN 56742

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Plummer Co-op. Creamery Assn.
Plummer, MN 56748

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Assn.
Red Lake Falls, MN 56750

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Plum Creek Cheese Co.
Walnut Grove, MN 56180

Mr. Don P. Hirschman, Mgr.
Bird Island Co-op. Creamery
Bird Island, MN 55310

Mr. Robert T. Case, Mgr.
Fairfax Co-op. Creamery Co.
Fairfax, MN 55332

Mr. Orin Schiro, Mgr.
Hector Farmers Co-op. Creamery
Hector, MN 55342

Mr. George Erickson, Mgr.
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Paynesville, MN 56362

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Richmond, MN 56368

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Mid-America Dairymen, Inc.
Winthrop, MN 55396

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Sauk Centre, MN 56378

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New Auburn, MN 55366

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Bixby, MN 55916

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Hope, MN 56046

Mr. Clifford Baalson, Mgr.
Brooten Co-op. Creamery Assn.
Brooten, MN 56316

Mr. Everett Mielke, Mgr.
Medford Creamery Assn.
Medford, MN 55049

Mr. Gerald Huberty, Mgr.
Cold Spring Co-op. Creamery Assn.
Cold Spring, MN 56320

Mr. Paul D. Folie, Mgr.
Union Creamery Assn.
Blooming Prairie, MN 55917

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National Farmers Organization
Appleton, MN 56208

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Kraft Incorporated/West Plant
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Arnzen's Transfer Station
Grey Eagle, MN 56336

Mr. Charles Lyons, Mgr.
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Mr. Willis Amundson, Mgr.
F & A Cheese Co. of Bertha
Bertha, MN 56437

Mr. Mike Barten, Mgr.
Meire Grove Co-op. Dairy
Melrose, MN 56352

Mr. Al Stommes, Mgr.
Land O'Lakes, Inc.
Browerville, MN 56438

Mr. Lawrence Sand, Mgr.
Freeport Co-op. Creamery Assn.
Freeport, MN 56331

Mr. Joe Blashack, Mgr.
Plum Valley Creamery Assn.
Waldorf, MN 56091

Mr. Lloyd Burger, Mgr.
Long Prairie Creamery Assn.
Long Prairie, MN 56347

Mr. Herb Hennagir, Mgr.
Mid-America Dairymen, Inc.
Bertha, MN 56437

Mr. Larry Glover, Mgr.
Elba Co-op. Creamery Assn.
Altura, MN 55911

Mr. Marvin Eisenbraun, Mgr.
Reynolds Co-op. Creamery Assn.
Long Prairie, MN 56347

Mr. Martin H. Johnson, Mgr.
Fremont Co-op. Creamery Assn.
Utica, MN 55979

Mr. Matt Wilm, Mgr.
Inter-Lake Co-op. Assn.
Browns Valley, MN 56219

Mr. Clarence Cummings, Mgr.
Hart Creamery Assn.
Rushford, MN 55971

Mr. Carl H. Wellner, Mgr.
Elgin Co-op. Creamery Assn.
Elgin, MN 55932

Mr. Maxine Speltz, Mgr.
Land O'Lakes, Inc.
Rollingstone, MN 55969

Mr. Robert Irish, Mgr.
Kellogg Co-op. Creamery Assn.
Kellogg, MN 55945

Mr. Marvin Benike, Mgr.
Meadow Land Dairy Assn.
Lewiston, MN 55952

Mr. William Heise, Mgr.
Land O'lakes, Inc.
Lake City, MN 55041

Mrs. Carol Stennes, Mgr.
National Farmers Organization
St. Charles, MN 55972

Mr. Glenn G. Hasse, Mgr.
Plainview Milk Products Assn.
Plainview, MN 55964

Mr. Charles Southworth, Mgr.
Nodine Co-op. Creamery Assn.
Dakota, MN 55925

Mr. Willis Amundson, Mgr.
F & A Cheese Co.
Aldrich, MN 56434

Mr. Arlan Henderson, Mgr.
Ridgeway Creamery Company
Houston, MN 55943

Mr. Dave Kaseno, Mgr.
National Farmers Organization
Sebeka, MN 56477

Mr. Ervin Erdmann, Mgr.
Ridgeway Foods, Inc.
Houston, MN 55943

Mr. Roger Swenby, Mgr.
Sebeka Milk Products
Div. of Tolibia Cheese Co.
Sebeka, MN 56477

Mr. Donald Johns, Mgr.
Wilson Co-op. Creamery Assn.
Winona, MN 55987

Mr. John Graff, Mgr.
Janesville Creamery Assn.
Janesville, MN 56048

Mr. Ralph Rueckert, Mgr.
Annandale Co-op. Creamery Assn.
Annandale, MN 55302

Mr. Floyd M. Brown, Mgr.
Brown's Velvet Ice Cream Co.
Annandale, MN 55302

Mr. Kenneth Hough, Mgr.
National Farmers Organization
Albertville, MN 55301

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Mr. Donald Christie, Mgr.
Big Stone Cheese Factory, Inc.
Canby, MN 56220

Mr. Leo R. Sebring, Mgr.
Sebring Dairy
Granite Falls, MN 56241

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Blaine, Minnesota 55434

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ST PAUL MN
55101

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220 GRAIN EX 400 S 4TH
MPLS MN
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ANDERSON JAMES
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MPLS MN
55435

ANDERSON MARY
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EDINA MN
55436

ANDERSON STANFORD P
14600 MINNETONKA BLVD
MINNETONKA MN
55343

ANDREW MARK STATE SENATE
235 STATE CAPITOL
ST PAUL MN
55155

ANTHONY DICK WDSM RADIO
230 E SUPR ST
DULUTH MN
55102

ANTI-TRUST DIV.ATTY GEN.
160 STATE OFF BLDG
ST PAUL MN
55155

ARNOLD ROBERT MESPA
41 SHERBURNE
ST PAUL MN
55103

ARROWHEAD REG. DEV COMM.
211 W 2ND ST
DULUTH MN
55802

ARROWHEAD REGIONAL DEV COMM
200 ARROWHEAD PLACE
DULUTH MN
55802

ARVER JOHN A
2467 COHANCY
ST PAUL MN
55113

ASMUSSEN,DENNIS,MPIRG
3036 UNIV AVE SE
MPLS MN
55414

ASSOCIATED GEN CONTROF MN
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ST PAUL MN
55101

ASSN OF MINN COUNTIES
55 SHERBURNE AVE #203
ST PAUL MN
55103

ASSN RESIDENCES FOR RETARDED
459 RICE SUITE 301
ST PAUL MN
55103

AUTOMOBILE MFRS ASSN INC
55 SHERBURNE AVE
ST PAUL MN
55103

BABCOCK LOCHER NELSON ET AL
118 E MAIN ST
ANOKA MN
55303

BADALICH JOHN P
2025 THOMPSON AVE
SO ST PAUL MN
55075

BARRETT FRED
ST LOUIS CO COURT HOUSE
DULUTH MN

BARTHOLOW HAROLD E FIRE CHF
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55433

BATES DENNIS
446 STATE OFF BLDG
ST PAUL MN
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BECK PAT
953 HYACINTH AVE
ST PAUL MN
55106

BEECHER EVERETT
10 10 1ST ST SO
HOPKINS MN

BEGALKA D REV
212 N ELK ST
BELLE PLAINE MN
56011

BEMIDJI STATE COLLEGE
PLACEMENT BUR. J.C. BRADY
BEMIDJI MN
56601

BENSONI PETER USW OF AM.
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DULUTH MN

BERGERUD ALF
300 ROANOKE BLDG
MPLS MN
55402

BERGSETH THOMAS
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MPLS MN
55403

BERGUSON & LOFGREN
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NEW BRIGHTON MN
55112

BLADIN PAPER CO W J LICKE
115 1ST ST SW
GRAND RAPIDS MN
[redacted]44

BLOMQUIST BARRY L

NORTH BRANCH MN
55056

BLOOMINGTON CITY CLERK
2215 W OLD SHAKOPEE RD
BLOOMINGTON MN
55431

BOLTON MALCOLM
422 ALDRICH AVE NO
MPLS MN
55405

BOWMAN & BRUNS ATTN P MASON
1616 PIONEER BLDG
ST PAUL MN
55101

BREHL JAMES W
332 HAMM BLDG
ST PAUL MN
55102

BRICK PHILIP D
807 SELLWOOD BLDG
DULUTH MN
55802

BRIGGS & MORGAN - B F FRI
2200 W 1ST NATL BK BLDG
ST PAUL MN
55101

BRIGHAM E M III
RR4
RED WING MN
55066

BROEKER JOHN
2850METRO DR. SUITE 504
BLOOMINGTON MN
55420

BROOKS WILLIAM F JR
854 MIDLAND BK BLDG
MPLS MN
55401

BROWN D M GOODRIDGE PUB S
IND DIST #561
GOODRIDGE MN
56725

BROWN H D
[redacted]1 KINGSBERRY LANE
MINNETONKA MN
55343

BRUBACHER RICHARD COMM ADM
208 ADM BLDG
ST PAUL MN
55101

BRUNING C.R.DEPT.CLINIC.EXP.
BURTON HALL
MPLS. MN
55455

BUSCH NOEL
SUITE 705 510 MARQUETTE
MPLS MN
55402

BUCHHOLTZ CHARLES
5044 BRENT AVE E
INV GRV HTS MN
55075

BURGER ALBERT
600 DEGREE OF HONOR BLD
ST PAUL MN
55101

BUR.ENGR.IND.DIV. MR.KIBIGER
219 N. 2ND ST.
MPLS. MN

BUR NATL AFFAIRS INC
1231 25TH ST NW
WASHINGTON DC
20037

CABLE COMM SYST-H SARRAZIN
BOX 777
HECTOR MN
55342

CAIN RUTH
730 E 38TH ST
MPLS MN
55407

CAIRNS JOHN A
47TH FLR IDS CENTER
MPLS MN
55402

FARRELL FRANK BUR NOR
RM 1180 176 E 5TH ST
ST PAUL MN
55101

FELHABER R S
W 1ST NATL BANK BLDG
ST PAUL MN
55101

FILTER LOREN
BOX 36
BRITT MN
55701

FINLEY JAMES F
920 MINN BLDG
ST PAUL MN
55101

FINNEGAN J.R.
55 E. 4TH
ST.PAUL MN
55101

FITZGERALD DR BOB
3007 LYNDALE AVE SO
MPLS MN
55408

FLEMING FREDERICK A
1860 HIGHLAND PARKWAY
ST PAUL MN
55116

FLADLAND CLINT MN L&P BUR
795 RAYMOND AVE
ST PAUL MN
55114

FORBES GORDON MINN RRS ASSN
203 HANOVER 480 CEDAR
ST PAUL MN
55101

FORSBERG AGR SERV
518 SUMMIT AVE
NEW ULM MN
56073

FOX W.E. LINDQUIST & VENNUM
4200 IDSCTR 80 S.8TH ST
MINNEAPOLIS MN
55402

FRANKLIN ROBERT B MPLS TR
426 PORTLAND
MPLS MN
55415

FREDIN CONRAD M
811 FIRST NATL BK BLDG
DULUTH MN
55802

FREDLUND MRS PHYLLIS
RR 4 BOX 37
CANBY MN
56220

FREDRIKSON BYRON ET AL
47TH FLR IDS CENTER M
PLS MN
55402

FRISON FRANK NECA
RM 305 200 SO ROBERT
ST PAUL MN
55107

GALVIN M J JR
W2162 1ST NATL BK BLDG
ST PAUL MN
55101

GARDNER HDW - R A JOHNSON
515 WASHINGTON AVE N
MPLS MN
55401

GEBERT K L
220 GRAIN EXCH
MPLS MN
55415

GEO A HORMEL & CO LAW DEPT
BOX 800
AUSTIN MN
55912

GIEL DAVID
RM B-28 STATE CAPITOL
ST PAUL MN
55155

GLEESON MICHAEL
909 SOC SC BLDG U OF M
MPLS MN
55455

GLEN. HILLS HOSP.R.VAN HA
3901 GOLDEN VALLEY RD.
MPLS. MN
55422

GODIN RALPH J
3824 47TH AVE SO
MPLS MN
55406

GOODMAN DF TEL CABLE TV
302 E SUPERIOR
DULUTH MN
55802

GRAHAM THOS H
854 MIDLAND BK BLDG
MPLS MN
55401

GRANATH MARVIN -HONEYWELL
2701 4TH AVE SO
MPLS MN
55408

GREATER MET AREA HOSPITALITY
5152 CEDAR AVE S
MPLS MN
55417

GREEN DEL CITY MGR
BLOOMINGTON CITY HALL
BLOOMINGTON MN
55431

GREEN GARY J
41 SHERBURNE AVE
ST PAUL MN
55102

GREEN JANET
9773 N SHORE DR
DULUTH MN
55804

CARLSON CARL L
7516 80TH ST S
COTTAGE GROVE MN
55016

CARLSON VERNE E
BOX 755 CITY HALL
WILLMAR MN
56201

CARRISON DALE K
MANKATO STATE COLLEGE
MANKATO MN
56001

CARTER LOCEY & ASSOC
2353 N RIDE ST
ST PAUL MN
55113

CENTRAL MN REG DEV COMM
1139 FRANKLIN AVE
SAUK RAPIDS MN
56379

CHAMBER OF COMMERCE
30 SO 1ST AVE EAST
ELY MN
55731

CHAMBERLAIN JOHN L
PO BOX 241
MPLS MN
55440

CHERCHES CHRIS CITY MGR
5005 MTKA BLVD
ST LOUIS PARK MN
55416

CHRISTIAN SCI COMM ON PUB
1821 UNIV AVE SUITE 271
ST PAUL MN
55104

CHRISTIANSEN FREDRIK
RM 505 CAPITOL SQ BLDG
ST PAUL MN
55155

CHRYSALIS CENTER FOR WOME
2104 STEVENS AVE S
MPLS MN
55404

CITY CLERK
386 CITY HALL
ST PAUL MN
55102

CITIZENS LEAGUE
530 SYNDICATE BLDG
MPLS MN
55402

CITY OF ROBBINSDALE
C LARSON 4221 LAKE RD
ROBBINSDALE MN
55422

CLARKSON J.B.
2350 I.D.S. CENTER
MINNEAPOLIS MN
55402

CLAUSEN PHILLIP
2307 STANDISH ST
ST PAUL MN
55108

CLAWSON CONNIE
HELP CT 317-17TH AV SE
MPLS MN

COLEMAN NICHOLAS
208 STATE CAPITOL
ST PAUL MN
55155

COLLIN LAURENCE
RT 2
ISANTI MN
55040

COMMUNITY DESIGN CENTER
2728 E 26TH ST
MPLS MN
55404

CONCORDIA COLLEGE
DEAN
MOORHEAD MN
56560

CONSUMER SERVICES DEPT COMM
5TH FLR METRO SQ BLDG
ST PAUL MN
55101

COUNTY ATTYS COUNCIL
95 SHERBURNE AVE S203
ST PAUL MN
55103

CRAVEN NORMAN
10637 THOMAS AVE S
BLOOMINGTON MN
55431

CROW WING CO PLANNING & ADV
COURT HOUSE
BRAINERD MN
56401

CUSHMAN J S DAYTON HUDSON
700 NICOLLET MALL
MPLS MN
55402

DAHLKE LOIS M
118 S EAGLE ST
BELLE PLAINE MN
56011

DAILEY THOMAS ECONOMICS LAB
370 WABASHA ST
ST PAUL MN
55102

DANKERS, KENNETH
1200 WEST FOURTH STREET
RED WING MN
55066

DANIELSON RODNEY L
418 AUDITORIUM
ST PAUL MN
55102

DAYTON CHAS SIERRA CLUB
800 MIDLAND BANK BLDG
MPLS MN
55401

DEVELOP DISABILITIES PROGRAM
STATE PLAN 101 CAP SQ
ST PAUL MN
55155

DICKINSON MRS JOANNE
BOX 1065
MARSHALL MN
56258

DIEHL JOHN
26 KENWOOD PKWY
ST PAUL MN
55105

DISPATCH PIONEER PRESS
PRESS RM STATE CAPITOL
ST PAUL MN
55101

DORSEY MARQUART
2400 1ST NATL BANK BLDG
MPLS MN
55402

DOUGLAS BELL ET AL
2212 AM.NATL BK BLDG
ST PAUL MN
55102

DOW CHEMICAL
47 BLDG
MIDLAND MI
48640

DUDLEY E H
RT 7 BOX 122
EXCELSIOR MN
55331

DUNN OLIVER PLUMBERS LOC 15
708 SO 10TH ST
MPLS MN
55404

DZUGAN KEN ST PAUL PLANNING
421 WABASHA ST
ST PAUL MN
55102

E CENTRAL REG. DEV. COMM
COURTHOUSE 18 N VINE ST
MORA MN
55051

EBELING EDWARD H.
161 W. MAIN
PERHAM MN
56573

EICHTEN DANIEL
3794 HAZEL
WHITE BEAR LK MN
55110

ELDER DR JAMES B
11140 WASHBURN AVE SO
BLOOMINGTON MN
55431

ELDRED R W ARMOUR & CO
UNION STOCK YARDS
SO ST PAUL MN
55075

ELMER EDWIN W
2901 PLEASANT AVE
MPLS MN
55408

EMERICK RICHARD A
1908 IDS CENTER
MPLS MN
55402

ENGELBRECHT DOUGLAS
809 RANGE ST
NO MANKATO MN
56001

ENNIS A F BOISE CASCADE
P O BOX 713
INTL FALLS MN
56649

ENV SERV-GEN RESOURCE CORP
6340 INDUSTRIAL DR
HOPKINS MN
55343

ERDMAN ROGER TENNANT CO
701 N LILAC DR
MPLS MN
55441

ERNEST K LEHMANN & ASSOC.
1409 WILLOW ST.
MPLS MN
55403

ESSE KENNETH
4801 W 50TH ST
EDINA MN
55424

ETHICS COMM
RM 410 STATE OFF BLDG
ST PAUL MN
55155

EVANS CHAS.L. PRENTICE-HALL
ENGELWOOD CLIFFS
NEW JERSEY

EWALD DOUGLAS MINN HOSP A
2333 UNIV AVE SE
MPLS MN
55414

EWING MRS WM
42 ASTAR RD
BABBITT MN
55706

FAEGRE & BENSON ATTN LIBR
1300 NW BANK BLDG
MPLS MN
55402

FARMERS ELEVATOR ASSN
852 GRAIN EXCH BLDG
MPLS MN
55415

GRUMMERT REV DONALD
1435 ADAMS ST
MPLS MN
55413

GUSTAFSON DAN-LABOR TEMPLE
312 CENTRAL
MPLS MN
55414

GUSTAFSON WALLACE
BOX 567
WILLMAR MN
56201

H B FULLER CO
2400 KASOTA AVE
ST PAUL MN
55108

HAFNER DR A J
BOX393 MAYO U OF M
MPLS MN
55455

HANFT PHILIP M
1200 ALWORTH BLDG
DULUTH MN
55802

HANSON ETHEL
2813 85TH AVE N
MPLS MN
55444

HAROLD J WESTIN CONSTRUCTORS
45 E 8TH ST
ST PAUL MN
55101

HALLBERG LEE & MCCABE
4927 34TH AVE S
MPLS MN
55417

HAUN DR J W GEN MILLS
PO BOX 1113
MPLS MN
55440

HAYES, THOMAS W
700 SELLWOOD BLG
DULUTH MN
55812

HEALTH MANPOWER C LARSON
717 DELAWARE ST SE
MPLS MN
55440

HART PATRICK V
112 E LIBERTY BOX 3271
MANKATO MN
56001

HARTFELDT WILL
434 HAMM BLDG
ST PAUL MN
55102

HAVEN ROBT TWIN TN TREATM
1706 UNIV AVE
ST PAUL MN
55104

HEAD & TRUHN
1007 SOO LINE BLDG
MPLS MN
55402

HEADWATERS REG DEV. COMM
BOX 584 MENTAL HEALTH
BEMIDJI MN
56601

HEANEY BILL
30 W SUPERIOR ST
DULUTH MN
55802

HEARING EX.OFF. M GREENBE
1745 UNIV AVE
ST PAUL MN
55104

HEIM PAUL M
3[illegible] IDS CENTER 80 S 8
MPLS MN
55402

HEINTZ MARY ELLEN
PO BOX 599
CINCINNATI OH
45201

HEISENFELT WM
BOX 516
BEMIDJI MN
56601

HELTZER JAMES DAYTON HUDS
777 NICOLLET MALL
MPLS MN
55402

HENDRICKSON A WM
100 FREEMAN DRIVE
ST PETER MN
56082

HENDRICKSON MRS VIRGINIA
3324 COUNTRY WOOD DR
BURNSVILLE MN
55337

HILL JIM ASSOC.MILK PROD.
7850 METRO PARKWAY
MINNEAPOLIS MN
55420

HINRICHSEN PATRICK
MANKATO FREE PRESS
MANKATO MN
56001

HOLDAHL SCOTT
380 N BLDG GRAIN EXCH
MPLS MN
55415

HOLEY GEO AERONAUTICS
DOWNTOWN AIRPORT
ST PAUL MN
55107

HOLMES EUSTIS ET AL
4610 IDS CENTER
MPLS MN
55402

HOPKINS WM.B. DIR.MISCCA
3915 GOLDEN VALLEY ROAD
GOLDEN VALLEY MN
55422

HORNER WALDORF - KAZIUKEWICZ
PO BOX 3260
ST PAUL MN
55165

HOULE MELVIN
881 W HWY 96
SHOREVIEW MN
55112

HOUSE APPROPRIATIONS COMM
RM 109 STATE CAPITOL
ST PAUL MN
55101

HULSTRAND ANDERSON & LARS
PO BOX 130
WILLMAR MN
56201

HUMAN RIGHTS
200 CAPITOL SQ BLDG
ST PAUL MN
55101

HUMAN SERVICES
414 LAFFAYETTE RD 5THFL
ST PAUL MN
55101

HUSEBYE, CRAIG J.
5036 FRANCE S.
EDINA MN
55410

HUTCHISON R.M. ANOKA CO.C
COURT HOUSE
ANOKA MN
55303

HYDROLOGIST
CHIPPEWA NATL FOREST
CASS LAKE MN
5[redacted]33

HYLAND DEAN
1501 W 50TH ST
MPLS MN
55419

ILLINGWORTH ROBERT C
6750 FRANCE AVE S RM290
MPLS MN

INGEBRIGTSEN DR K H
23 SE 4TH ST
MPLS MN
55414

INGVALSON VERN MN.FARM BUR.
3110 WOODDALE DR PO 337
OST PAUL MN
55165

INS FED OF MINN
902 SOO LINE BLDG
MPLS MN
55402

INTERSTATE POWER RW STEEL
1000 MAIN ST
DUBUQUE IA
52001

IUOE LOC 49 CHAS SWENSON
2580 UNIV AVE
ST PAUL MN
55101

IVERSON DR JOS DEPT ED
ST OLAF COLLEGE
NORTHFIELD MN
55057

IZAAK WALTON MN DIV
111 E FRANKLIN RM-210
MPLS MN
55404

JACKMAN DONALD G
4[redacted]3 E LAKE ST
MPLS MN
55406

JAIN NIRMAL ENIV PROCESS
1220 GLENWOOD AVE
MPLS MN
55405

JENOS INC
525 LAKE AVE SO
DULUTH MN
55801

JENSEN ARTHUR,CITY CLK
2215 W OLD SHAKOPEE RD
BLOOMINGTON MN
55431

JENSEN CARL A
127 E MAIN ST
SLEEPY EYE MN
56085

JENSEN MRS GAYNOLD
111 WEST 107TH ST
MPLS MN
55420

JOHANSEN BUS SERV INC
19 DAYTON RD
CHAMPLIN MN
55316

JOHNSON & SANDERSON
ST MARYS HOSPITAL
ROCHESTER MN
55901

JOHNSON CLARENCE IBEW LU 292
3615 37TH AVE S
MPLS MN
55406

JOHNSON G ROBERT
4344 IDS CENTER
MPLS MN
55402

JOHNSON LEROY
9939 BLUEBIRD ST NW
COON RAPIDS MN
55433

JOHNSON M.D. FRUNDT & FRU

BLUE EARTH MN
56013

JOHNSON LANCE J
265 S LAFAYETTE RD
ST PAUL MN
55107

KABLE RICHARD W
BETHEL MN
55006

KAVANEY RICHARD
1220 NORTHERN FED BLDG
ST PAUL MN
55102

KEABLE MIKE
909 6TH AVE N
ST CLOUD MN
56301

KEENAN RICHARD J
4444 IDS BLDG
MPLS MN
55402

KEILY DANILE
3549 V2 PLEASANT AVE
MPLS MN
55408

KIMBALL ROBERT
647 CAPITOL SQ BLDG
ST PAUL MN
55101

KJERVIK DIANE
4302 POWEL HALL U OF M
MPLS MN

KLOSTER MARION PEAVEY CO
730 2ND AVE S
MPLS MN
55402

KLUZ STEVEN J
1910 1ST NATL BK BLDG
MPLS MN
55402

KNAPP J A
RM 3 CAPITOL
ST PAUL MN
55155

KNOPP TIMOTHY
COLLEGE FORESTRY U OF M
ST PAUL MN
55108

KNUTSON DR KEITH,BIOLOGY DPT
ST CLOUD STATE
ST CLOUD MN
56301

KNUTSON R N GRANNIS ETAL
F J SCHULT BLDG
ST ST PAUL MN
55075

KNVDSON ROBT
4375 BROWNDALE AVE
MPLS MN
55424

KOLLER MR & MRS ERWIN A
1568 DULUTH ST
ST PAUL MN
55108

KOPP MRS VERNON
2050 65TH ST E
INVER GR HGHT MN
55075

KRAMER ERNEST W
717 DELAWARE ST SE
MPLS MN
55440

KROEGER CHARLES
122 NW 7TH STREET
FARIBAULT MN
55021

KRONLOKKEN J E
[redacted]48 NORD RD
BLOOMINGTON MN
55437

KROON H CLIFTON
210 E WALNUT
MANKATO MN
56001

KUHL CARL
4421 4TH ST NE
COL HEIGHTS MN
55421

KVB ENGINEERING INC
600 S CO RD 18
MPLS MN
55426

LABELLE JUANITA MRS
5816 AQUILA AVE NO
NEW HOPE MN
55428

LAKE SUPERIOR INDUSTRIAL BUR
828 FIRST AM. BK. BLDG.
DULUTH MN
55802

LANAHAN E F - SIBLEY CO
184 E 6TH ST
ST PAUL MN
55101

LANGVIN DAVID
7500 80TH ST S
COTTAGE GROVE MN
55016

LANSING & OAKES
400 SIBLEY ST
ST PAUL MN
55101

LAPP LAZAR LAURIE ET AL
1200 BUILDERS EXCHANGE
MINNEAPOLIS MN
55402

LARSON C L
3800 MINNEHAHA AVE SO
MPLS MN
55406

LARSON HANS P DIV HOSP SERV
717 DELAWARE ST SE
MPLS MN
55440

LEAGUE MN MUNIC
300 HANOVER 480 CEDAR
ST PAUL MN
55101

LEAGUE WOMEN VOTERS OF MINN
555 WABASHA
ST PAUL MN
55102

LEG.REF.LIB-Z. DEWITT
RM 111 STATE CAPITOL
ST PAUL MN
55155

LEWIS DR.G.M JR.
ABBOTT 110 E 18TH ST
MPLS MN
55403

LIBBEY LEONARD
BOX 17011 NOKOMIS STA
MPLS MN
55417

LINDALL & JONATHAN DEVELOP.
VILLAGE ONE CENTER
CHASKA MN
55318

LOCKNER GARY
R R 1 BOX 23
BAUDETTE MN
56623

LOOS CALVIN J
6809 LYNDALE AVE SO
MPLS MN
55[redacted]

LOWE DOUG
2701 N LEXINGTON AVE
ROSEVILLE MN
55113

LUTH SOC SERVICE OF MN
2414 PARK AVE
MPLS MN
55404

LYNCH DONALD SIBLEY CO
184 E 6TH ST
ST PAUL MN
55102

MALONE E I COMM LABOR & INDU
444 LAFAYETTE RD 5TH FL
ST PAUL MN
55101

MANKATO STAT STUDENT SENA
CENTENNIAL STUDENT UN
MANKATO MN
56001

MANKATO STATE STUDENT ASSN
BOX 58 MANKATO COLLEGE
MANKATO MN
56001

MANSFIELD LARRY HCARC
1800 CHICAGO AVE S
MPLS MN
55404

MANTHEY T J PICKANDS MATHER
1100 SUPERIOR AVE
CLEVELAND OH
44114

MARRINAN MARGARET M
1117 COMMERCE BLDG
ST PAUL MN
55101

MASTOR & MATTSON LTD
3[redacted] PEAVEY BLDG
MPLS MN
55402

MAUL WARREN E
320 S 4TH ST
MPLS MN
55415

MAYO FOUNDATION G ORWOLL
200 FIRST AVE NW
ROCHESTER MN
55901

MCDONALD PHILIP M
2077 SELBY AVE
ST PAUL MN
55104

MCFADDEN G H DISPATCH-PRESS
55 E 4TH ST
ST PAUL MN
55101

MCKIBBON MRS SHIRLEY
11 EVERGREEN LN
BABBITT MN
55706

MCLELLAN LARKIN
215 ADM BLDG ST CAPITOL
ST PAUL MN
55101

MECCA
867 GRAND AVE
ST PAUL MN
55105

MET. WASTE CONTOL COMM.
350 METRO SQ BLG
ST PAUL MN
55101

MEIEROTTO, JOAN
1794 SO LEXINGTON
ST PAUL MN
55118

MET TFR MEN ASSN A ROSENTHAL
1821 UNIV AVE
ST PAUL MN
55104

METROPOLITAN COUNCIL LIBR
300 METRO SQUARE
ST PAUL MN
55155

MEYER HERBERT
10824 ZENITH AVE S
BLOOMINGTON MN
55431

MEYERLE KATHLEEN
1528 GRAND AVE APT 4
ST PAUL MN
55105

MIDLAND GLASS-HD SPURLING
PO BOX 69
SHAKOPEE MN
55379

MILLER PAUL J PHARMACY SE
ST MARYS HOSP
ROCHESTER MN
55901

MILLER RICHARD A
1020 PLYMOUTH BLDG
MPLS MN
55402

MILLER TOM
2311 PILLSBURY AVE S
MPLS MN
55404

MINN APT ASSN
GRIGGS-MIDWAY BLDG
ST PAUL MN
55104

MINN ASPHALT PAVEMENT ASS
555 WABASHA RM 209
ST PAUL MN
55102

MINN ASSN COOPERATIVES
55 SHERBURNE AVE
ST PAUL MN
55[illegible]

MINN ASSN ELEC COOPERATIVES
4901 W 77TH ST
MPLS MN
55435

MINN. ASSN. PET RETAILERS
1115 2ND AVE. SO.
MINNEAPOLIS MN
55403

MINN ASSN VOL SOC SERVICE
1821 UNIV SUITE 389
ST PAUL MN
55114

MINN ASSN WATERSHED DIST'S

ADA MN
56510

MINN AUTOMOBILE DEALERS ASSN
GRIGGS MIDWAY BLDG
ST PAUL MN
55104

MINN CHAP ASSOC BLDRS-CONTRS
7204 W 27TH ST
MPLS MN
55426

MINN COMM FOR HANDICAPPED
METRO SQ 492 7TH & ROBT
ST PAUL MN
55101

MINN COMMUNITY DEVELOP SERV
512 ROSSMOR BLDG
ST PAUL MN
55101

MINN COUNCIL STATE EMP NO 6
475 RICE ST
ST PAUL MN
55103

MINN DEPT HEALTH J C MCKASY
717 DELAWARE S E
MPLS MN
55440

MINN FARMERS UNION PRES O
1275 UNIV AVE
ST PAUL MN
55104

MINN FOOD RETAILERS ASSN
55[illegible]ABASHA
ST PAUL MN
55101

MINN GOV ENG COUNCIL
2400 SHERWOOD HILL RD
MINNETONKA MN
55343

MINN HEREFORD-LJ SCHAFER

BUFFALO LAKE MN
55314

MINN. HOTEL & MTR. ASSN
2001 UNIVERSITY AVE
ST PAUL MN

MINN HOUSING INST N T CARTER
7801 METRO PKWY
MPLS MN
55420

MINN HWYS MANAGEMENT SERVICE
407 HWY BLDG
ST PAUL MN
55101

MINN LAND USE COMMITTEE
4344 IDS CENTER
MPLS MN
55402

MINN LP GAS ASSN
7515 WAYZATA BLVD 106
MPLS MN
55426

MINNE MINE CREDIT UNION
3000 HUDSON PK S 100
ST PAUL MN
55119

MINN.MTR.TRANSP. .J.N.DENN
1821 UNIV.
ST.PAUL MN
55104

MINN PETROLEUM COUNCIL
1020 NORTHERN FED BLDG
ST PAUL MN
55102

MINN POLLUTION CONTROL AG
1935 W CO RD B2
ROSEVILLE MN
55113

MINN POULTRY & HATCHERY ASSN
BOX 158
MADELIA MN
56062

MN REP STATE CENTRAL COMM
555 WABASHA AVE
ST PAUL MN
55102

MINN RESTAURANT ASSN
2001 UNIVERSITY AVE.
ST PAUL MN
55104

MINN RETAIL FED INS
131 METRO SP
ST PAUL MN
55101

MINN RETAIL HARDWARE ASSN
3033 EXCELSIOR BLVD 313
MPLS MN
55416

MINN SOCIETY ARCHITECTS AIA
NW NATL BK BLDG
ST PAUL MN
55101

MINN SOC CERTIFIED PUB ACCTS
1102 WESLEY TEMPLE BLDG
MPLS MN
55403

MINN STATE BAR ASSN
100 MINN FED BLDG
MPLS MN
55402

MINN STATE BD PHARMACY
717 DELAWARE ST SE #351
MPLS MN
5[redacted]14

MINN STATE MED ASSN
375 JACKSON ST
ST PAUL MN
55101

MINN STATE RETIREMENT SYSTEM
529 JACKSON ST
ST PAUL MN
55101

MINN TEAMSTERS CREDIT UNI
2021 HENN AVE E
MPLS MN
55413

MINN TBR PRODUCERS ASSN
200 CHRISTIE BLDG
DULUTH MN
55802

MINN.TURKEY GROWERS ASSN
2383 UNIV AVE
ST PAUL MN
55114

MINN VETERANS MED ASSN
2175 W HWY 36
ROSEVILLE MN
55113

MINN WATER RESOURCES BD
RM 206 555 WABASHA ST
ST PAUL MN
55102

MINN-WISC BOUNDARY AREA COMM
600 2ND ST
HUDSON WI
54016

MN. ASN.C&IND H.D.PETERSON
480 CEDAR ST.
ST.PAUL MN
55101

MN AFL-CIO L.O. LASHOMB
175 AURORA
ST PAUL MN
55103

MN.BD OF NURSING
717 DELAWARE ST SE
MPLS MN
55414

MN ELECTRICAL ASSN
3[redacted]0 HUMBOLT SO
M[redacted]S MN
55408

MN PUB INT RESEARCH GROUP
3036 UNIV AVE SE
MPLS MN
55414

MN SOC SERV ASS J HOOD
614 PORTLAND
ST PAUL MN
55102

MN STATE SER BLIND-K NATA
1745 UNIVERSITY AVE
ST PAUL MN
55104

MOFFITT R C
RM 301 M MPLS CITYHALL
MPLS MN
55415

MOOD R BLOOMINGTON HLTH DEPT
10200 PENN SO
BLOOMINGTON MN
55431

MORTON BUILDINGS INC
R #1
FOLEY MN
56329

MPIRG
BOX 45 ST MARYS COLLEGE
WINONA MN
55987

MPLS ASSN RETARDED CITIZENS
3100 W LAKE ST
MPLS MN
55416

MPLS CITY ATTORNEY
325M CITY HALL
MPLS MN
55415

MPLS STAR PRESS ROOM
STATE CAPITOL
ST PAUL MN
55101

MPLS TRIBUNE CITY DESK
425 PORTLAND AVE
MPLS MN
55415

MT OLIVET ROLLING ACRES
R 1 BOX 576
EXCELSIOR MN
55331

MURPHY DIANA E
4200 IDS-LINDQUIST VENN
MPLS MN
55402

NASS GEO V HENN CO GEN HO
5TH AND PORTLAND AVE
MPLS MN
55415

NATL CAR RENTAL ATT D MITZEL
5501 GREEN VALLEY DR
MPLS MN
55437

NATL COUNCIL JEWISH WOMEN
4330 CEDAR LK RD
MPLS MN
55416

NATL FAMILY INS CO
2147 UNIV AVE
ST PAUL MN
55114

NAT'L SOLID WASTES-R. GRA
1730 RHODE ISLAND AV.NW
WASHINGTON DC
20036

NCEC INC C/O DR DAHLBERG
CONCORDIA COLLEGE
MOORHEAD MN
56560

NEDELL HAROLD - MEINEKE
6300 W LOOP S SUITE 200
BELLAIRE TX
77401

NEREN MADONNA
376 NEAL AVE S
AFTON MN
55001

NEUMAN RALPH W
RT 2 BOX 125
EMBARRASS MN
55732

NIELSEN STOCK & BLACKBURN
415 730 BLDG
MPLS MN

NO SUB MONTESSORI-S SADDLER
2487 HELEN COURT
NO ST PAUL MN
55109

NORTH CENTRAL ELEC ASSN
PO BOX 202
BATTLE LAKE MN
56515

NUGENT, CYNTHIA L.
3581 OWASSO ST #209
ST PAUL MN
55112

NW COUNTRY ELEVATOR ASSN
802 GRAIN EXCH BLDG
MPLS MN
55415

NURSING HOME ADMRS BD EXAMRS
RM 340 717 DELAWARE SE
MPLS MN
55414

NURSING HOME RES ADV CO.
111 E FRANKLIN S210
MPLS MN
55404

NUTTER JULIA
743 W MONTANA
ST PAUL MN
55117

NW BELL TEL CO LEGAL DEPT
2246 5TH ST RM 2000
MPLS MN
55402

NW REG. DEV. COMM
425 WOODLAND AVE
CROOKSTON MN
56716

NYQUIST DEAN A
3707 53RD PL N
BROOKLYN CTR MN
55429

O'BRIEN J.DENNIS
1100 1ST NATL.BANK BLDG
MINNEAPOLIS MN
55402

OFFICE OF THE GOVERNOR
130 STATE CAPITOL
ST PAUL MN
55101

OLD COLONY GAS & OIL COMPANY
17TH AVE N AT 2ND ST
MPLS MN
55411

OLOFSON ARTHUR MBO & MAI
927 SOO LINE BLDG
MPLS MN
55402

OLSON KATHLEEN
192 SEYMOUR AVE SE
MPLS MN
55414

OSTRUM DONALD E
PO BOX 33163
COON RAPIDS MN
55433

OTTER TAIL POWER CO.
215 S. CASCADE ST.
FERGUS FALLS MN
56537

PATTISON ORVIS
BOX 645
WILLMAR MN
56201

PAYNE COL ALVIN

DEGRAFF MN
56233

PAYNE WM B
2400 FIRST NATL BK BLDG
MPLS MN
55402

PETERSON GARY
854 MIDLAND BK BLDG
MPLS MN
55401

PFEIFER AND SHULTZ, INC
1433 UTICA AVE S
MPLS MN
55416

PHAR MFGRS ASSN WM D PATTON
1155 15TH ST NW
WASHINGTON DC DC
20005

PHILLIPS LEGISLATIVE SERVICE
459 RICE ST
ST PAUL MN
55103

PINNETTI NICK M HALEY & A
40 CENTRAL PARK S
NEW YORK NY
10019

POPOVICH PETER S
314 MINN BLDG
[redacted] PAUL MN
55101

PORTER DAVID
5217 27TH AVE S
MPLS MN
55417

PORTER LYLE O

TRACY MN
56175

PORT AUTH CITY OF ST PAUL
330 MINNESOTA BLDG
ST PAUL MN
55101

POSS DONALD G
6301 SHINGLE CREEK PKWY
BROOKLYN CTR MN
55430

POYZER ROBT
BOX 675
FERGUS FALLS MN
56357

PRAUSE JOS.C.
2220 105TH AVE.N.W.
COON RAPIDS MN
55433

PROCTOR&GAMBLE L THEOHAR
IVORYDALE TECH CENTER
CINCINNATI OH
45217

PULSCHER RBT SPRINGSTED INC
813 OSBORN BLDG
ST PAUL MN
55102

RADMAN RICHARD-LABOR TEMP
418 AUDITORIUM
ST PAUL MN
55102

[redacted]LPH BURKE ASSOCIATES
[redacted]10 COMPUTER #S101
MPLS MN
55435

RANALLO CLARENCE
800 CENTRAL AVE N E
MPLS MN
55413

RAMSEY CO MEDICAL SOC
908 AM NATL BK BLDG
ST PAUL MN
55101

RAUENHORST CORP-C ANDERSO
7900 XERXES S. S-2200
MPLS MN
55431

REAGAN MICHAEL
% MINN LEARNING CTR
BRAINERD MN
56401

REARDON MRS HELEN
1125 S E 6TH ST
WILLMAR MN
56201

REID DAVID H
6469 N GRAHAM RD
INDIANAPOLIS IN
46220

RED OWL STORES INC
215 E EXCELSIOR AVE
HOPKINS MN
55343

REGION FIVE REG. DEV. COMM.
102 6TH ST N
STAPLES MN
56479

REGION NINE DEV. COMM.
709 N FRONT ST
MANKATO MN
56001

REIERSON G
1335 WHITE BEAR AVE
ST PAUL MN
55106

REINO O LAINE 3M COMPANY
3M CENTER
ST PAUL MN
55101

RENNER R.H. ST PAUL AREA CC
300 OSBORN BLDG.
ST PAUL MN
55102

RENQUIST ARTHUR NSP CO
414 NICOLLET MALL
MPLS MN
55401

RICHARDSON THOS
7851 METRO PKWY S 103
MPLS MN
55420

RICHARDS MONTGOMERY ET AL
1430 RAND TOWER
MPLS MN
55402

RIEKE DAVID R
P O BX 509
THIEF RIV FLS MN
56701

RIERSON G
1335 WHITE BEAR AVE
ST PAUL MN
55106

ROE DAVID
175 AURORA
ST PAUL MN
55103

ROBBIE JOSEPH
904 CARGILL BLDG NO CTR
MPLS MN
55402

ROBERTS DR ALAN
BOX 297 MAYO U OF M
[redacted]LS MN
55455

ROBERTS DAVID E
1260 NW NATL BK BLDG
ST PAUL MN
55101

ROSS ALFRED
6356 WARE RD
LINO LAKES MN
55014

ROSS ROY J
CLK TREAS
LITCHFIELD MN
55355

RUDY FLOYD
118 AVE C
CLOQUET MN
55720

SAN SIMEON DEVELOP CORP
OLD 1ST STATE BK BLDG
PAYNESVILLE MN

SANFORD S M
7000 PORTLAND AVE
RICHFIELD MN
55423

SATHRE, HARVEY
375 MARION STREET
ST PAUL MN
55103

SAX DOVE & STENSON
310 ENDICOTT BLDG
ST PAUL MN
55101

SE MN REG DEV COMM
301 MARQ BK BLDG
ROCHESTER MN
55901

ST PAUL BUR HLTH DR P COX
555 CEDAR ST
ST PAUL MN
55101

[redacted] PAUL FOOD RETAILERS ASSN
[redacted]220 ARCADE
ST PAUL MN
55106

SW REGIONAL DEV COMM
2811 BDWY
SLAYTON MN
56172

SCARBOROUGH WILLIAM
DIV.ED. U.M.
MORRIS MN
56267

SCHLICHT REV ROBT
611 W MAIN ST
BELLE PLAINE MN
56011

SCHMIDT D R MN ASSN REALTORS
6101 WAYZATA BLVD
MPLS MN
55416

SCHMIDT H W TCHRS RETIREMENT
302 CAPITOL SQ BLDG
ST PAUL MN
55101

SCHMIDT LARRY WCCO-TV NEWS
50 S 9TH ST
MPLS MN
55402

SCHMIDT WARREN WELLCOME M
GARDEN CITY
MN
56034

SCHNEIDER MAHLON
GREEN GIANT
LESUEUR MN
56058

SCHUTZ LINDA
RM 328 CAPITOL BLDG
ST PAUL MN
55155

SCHWARTAU NEAL METH HOSP
201 W CENTER ST
ROCHESTER MN
55901

SCHWERMAN EARL JR
1535 8TH AVE SE
ROCHESTER MN
55901

SCHWINN ROBT.P.
1400 SOO LINE BLDG.
MPLS. MN
55402

SCHNEIDER & NEESER
706 1ST ST SO PO BX 876
WILLMAR MN
56201

SCHROEDER ALFRED H
2172 CARROLL AVE
ST PAUL MN
55104

SELECTVISION INC FR VALEN
245 PARK AVE
NEW YORK NY
10017

SEMHSA R C MELIN
1903 S BDWY
ROCHESTER MN
55901

SENATE COUN OFF ROOM 24
STATE CAPITOL
ST PAUL MN
55101

SENATE FINANCE COMMITTEE
113 STATE CAPITOL
ST PAUL MN
55101

SENATE GOV OP COMM
RM 303 STATE CAPITOL
ST PAUL MN
55155

SHABATURA EUGENE H
2833 LAKE AVE SO
DULUTH MN
55811

SHARP BOB
4125 HIGHWOOD RD
ST LOUIS PK MN
55416

SHAW ROBERT M
616 MOBIL OIL BLDG
MPLS MN
55402

SILVERMAN JUDITH
8545 W 28TH ST
ST LOUIS PARK MN
55426

SITE ENGINEERS INC
900 REDWELL LANE
APPLE VALLEY MN
55124

SIX EAST REG. DEV. COMM.
311 W 6TH ST
WILLMAR MN
56201

SIX W REG. DEV. COMM
128 W SORENSON
APPLETON MN
56208

SMERIKA WN.
BOISE CASCADE PAPERS
INTL FALLS MN
56649

SNELL LYN
BOX 314
EDEN VALLEY MN
55329

SNYDER, R.W. U OF M
RM 248C CLASS OFF BLDG.
ST PAUL MN
55108

SODERBERG HAROLD J
1500 MIDWEST PLAZA BLDG
MPLS MN
55402

SODERMAN ANTHONY
1414 FOSHAY TOWER
MPLS MN
55402

STANSFIELD ARLENE LAND OLKS
PO BOX 116
MPLS MN
55440

STATE BD VETERINARY EXAMINER
C/O DR A C SPANNAUS DVM
WACONIA MN

STATE&FED ASSOC
1101 15TH ST NW_S.309
WASHINGTON DC
20005

STATE & FED ASSOCIATES
1101 15TH ST NW S 309
WASHINGTON DC
20005

STATE REGISTER
95 SHERBURNE, RM 208
ST PAUL MN
55103

STD AM LIFE & ANNUITY CO
3801 W 50TH ST
MPLS MN
55410

STEELWORKERS CREDIT UNION
BOX 250
BABBITT MN
55706

STOLPESTAD BROWN & SMITH
1550 NW BK BLDG
ST PAUL MN
55101

STUPKA & MOREM
MIDTOWN BLDG
AUSTIN MN
55912

SULLIVAN J KIRK
PO BOX 200
BOISE ID
83701

SULLIVAN JEANETTE
CDIC SW STATE UNIV
MARSHALL MN
56258

SUMMIT NATL BANK D L MORR
205 AURORA AVE
ST PAUL MN
55103

SUSSEL CO.ATTN:TED SCHWENKER
1850 COMO AVE.
ST PAUL MN
55108

SWANSON BURT E
W-2162 1ST NATL BK BLDG
ST PAUL MN
55101

SWANSON DALE
P O BOX 339
FOREST LAKE MN
55025

SWANSON GERALD H
212 CITY HALL
ROCHESTER MN
55901

SWANSON MORTIMER C
5824 FRANCE AVE S
EDINA MN
55410

TATE VERN 3M CO
3M CENTER 220/6W
ST PAUL MN
55101

THOMPSON CONRAD
1107 23RD ST NW
ROCHESTER MN
55901

THOMPSON HESSIAN ET AL
1500 MIDWEST PLAZA BLDG
MPLS MN
55402

TIMESAVERS INC ATT R S VOLD
5270 HANSON COURT
MPLS MN
55422

TOUCHE ROSS & CO K H STOCKE
780 NORTHSTAR CNTR
MPLS MN
55402

TWIN CITIES PIPING IND AS
5304 UNIV AVE SE
MPLS MN
55414

TWIN CITY RETAIL DRUGGIST AS
2388 UNIV AVE
ST PAUL MN
55104

UNION STOCK YARDS
ATTN PRES
SO ST PAUL MN
55075

VANDERVOORT T J MET WASTE
350 METRO SQUARE BLDG
ST PAUL MN
55101

VAN DRAKE STEPHEN R
BOX 353
PELICAN RAPID MN
56572

VAN EVERA MUNDT ET AL
700 TORREY BLDG
DULUTH MN
55802

VERRILL JOHN E
DEPT SECONDARY ED UOF M
DULUTH MN
55812

ITALA, W.C. HONEYWELL
HONEYWELL PLAZA
MPLS MN
55408

VILLAGE OF WOODBURY
2100 RADIO DRIVE
WOODBURY MN
55042

VOLDNESS PERRY
IDS 8TH & MARQUETTE
MPLS MN
55402

VOSS REV GORDON O
11120 NE 7TH ST
BLAINE MN
55434

VOS LEROY
2137 BURNS AVE
ST PAUL MN
55119

WALD JEAN
5746 SANDER DR
MPLS MN
55417

WALTERS THOS H
4510 W 77TH ST STE 235
MPLS MN
55435

WANQUIST ALLEN
RM 252 FEDERAL BLDG
ST PAUL MN
55101

WATERS, DONNA M.
110506 WINDMILL COURT
CHASKA MN
55318

WELK G V NORTHERN STATES
414 NICOLLET MALL
MPLS MN
55401

WELLINGTON R R SKELLY OIL
PO BOX 1650
TULSA OK
75102

WEST CENTRAL REG. DEV.
ADM BLDG,COMMUNITY COLL
FERGUS FALLS MN
56537

WESTIN CHAS W
220 MEDICAL ARTS BLDG
DULUTH MN
55802

WHITING RALPH
555 WABASHA SUITE 204
ST PAUL MN
55102

WHITLOCK A G
ECON LAB OSBORN BLDG
ST PAUL MN
55102

WILCOX J PATRICK
1220 NORTHERN FED BLDG
ST PAUL MN
55102

WM.MITCHEL COLLEGE LAW LIB.
2100 SUMMIT AVE.
ST.PAUL MN
55105

WILEY ENTERPRISES
101 5TH AVE SE
OSSEO MN
55369

WILLIAMS THOS W
4915 W 35TH ST
MPLS MN
55416

WILSON R GARY PPG INDUSTR
1 GATEWAY CENTER
PITTSBURGH PA
15222

WIS FEEDER PIG MARKET CO-OP

FRANCIS CREEK WI

WOLKERSTORTER THEODORE
676 17TH AVE NW
NEW BRIGHTON MN
55112

WOZNIAK D D
401 FIRST FED BLDG
ST PAUL MN
55101

WYANT CLINTON W ATTY

ATKIN MN
56431

ZIMMERMAN & OFFERMAN
CAMBRIDGE STATE HOSP
CAMBRIDGE MN
55008

AGRICULTURE

American Fish & Seafood, Inc., 107 N. 7th St., Mpls. 55403

American Meat Institute, Att: C. Adams., 59 E. Van Buren St., Chicago, Ill 60605

Anderson, B.G., Burlington Northern, Engineering Div., 176 E. 5th St., St. Paul 55101

Anderson, Lynn, Route #2, Moorhead

Anderson Produce Co., T.F. Anderson, Moose Lake (Eggs Only)

Beckstead, S.W., Am. Potash & Chemical Corp., P.O. Box 25861, Oklahoma City 73125

Bruner, Richard C., Sunkist Growers, Inc., 720 E. Sunkist St., Ontario, Calif.

Butchart, Ellis J., Bridgeman Creameries Div., 1401 Alworth Bldg., Duluth 55802

Carlson, Dr. Lauren, Chokio 56221

Claremont Creamery Ass's., J.R. Payne, Mgr., Claremont

Coca-Cola Company, Att: R.F. Atwood, P.O. Drawer 1734, Atlanta, Georgia 30301

Dairy Processors, Inc., 2239 Carter Ave., St. Paul 55108

Dawson, Robert, Bozell & Jacobs, Inc., 700 Kiewit Plaza, Omaha, Nebraska 68131

Day, Paul M., Senior High School, Fairbault

Dept. Health, Att: Dir. Cleon LeMont, 111 4th Ave. S., St. Cloud 56301

Epley, Dr. Richard J., 129 Peters Hall, UM, St. Paul 55101

Everfresh Food Corp., 501 Huron St. SE, Mpls. 55414

Garrity, Cahill, Gunhus et al, 1st Nat'l Bank Bldg., Moorhead 56560 (Grading Only

Guy, D.L. Parkers ,Prairie

Harrington, J.K., P.O. Box 33221, St. Paul 55133

International Dairy Queen Inc., 5701 Green Valley Drive, Mpls. 55437

Krengel, Alex A., Peavey Co., 11 Peavey Rd., Chaska 55318

Koppers, Mgr., Prod. Reg. & Labeling, Koppers Bldg., Pittsburgh, PA 15219

Land O'Lakes Creameries Inc., Att: H.H. Ebert, 2215 NE Kennedy, Mpls. 55413

Mallinckrodt Chemical Works, 2nd & Mallinckrodt Sts., St. Louis MO 63160

Mandeville Company, Inc., 605 N. 4th St., Mpls. 55401 (Meat & Food Only)

Minn. Farm Bur. Federation, Legislative Div., 3100 Wooddale Dr., P.O. Box 3370
St. Paul 55165

Minn. State Pharmaceutical Assn., 2388 Univ. Ave., St. Paul 55104

O.M. Scott & Sons, Marysville, Ohio 43040

Olson Fish Company, Att: R.N. Juhl, 813-821 N. 5th St., Mpls. 55401

Package Labeling and Design Assoc., Inc., 8990 West Dodge Rd., Suite #334
Omaha, Neb. 68114

Patrick, Peter, 2772 Egandale Blvd., St. Paul 55121

Peterson - Biddick Co., Wadena

Roberts, John O., 631 Leffingwell Ave., Kickwood, MO 63122

Sartell, Charles J., Totino's, 7350 Commerce Lane, Mpls. 55432

Schulze, Karl F., c/o Bridgemen Creameries Div., Land O'Lakes, P.O. Box 177
Duluth, 55801

Shannon, Mattew A., Gen. Foods Corp., 250 N. St., White Plains, N.Y. 10602

Sheridan, Fred F., 400 Ardmore Drive, Mpls. 55422

Steven, W.R., Box 26, Sartell

Twin City Exterminating Co., 1953 Univ. Ave. W., St. Paul

Waconia Sorghum Co., P.O. Box 1227, Cedar Rapids, Iowa 52406, Att: L.S. Wessale

Watkins, Products, Inc., Att: N.A. Barth, Legal Dept., Winona 55987

Wheeler, Edwin M., 1015 18th St. NW, Washington, D.C. 20036 (Fertilizers Only)

SLAUGHTER HOUSE LICENSE ONLY

Betlach, Edward, Blooming Prairie

Jenkins, LeRoy, Staples

Mehring, M.J., Paynesville

Nelson, Howard, Lindstrom

South St. Paul Chamber of Commerce, South St. Paul

Stacker, Ralph, 938 Minnesota Building, St. Paul

Mr. Timothy J. Penny
Senator-Elect
Route 2, Apt. 102
New Richland, MN 56072

Mr. Robert M. Benedict
Senator-Elect
10215 Humboldt Circle
Bloomington, MN 55431

Mr. Collin C. Peterson
Senator-Elect
Box 68, Route 4
Detroit Lakes, MN 56501

Mr. Steven Engler
Senator-Elect
Rural Route 1
Randolph, MN 55065

Mr. Robert J. Schmitz
Senator-Elect
Rural Route 1
Jordan, MN 55352

Mr. Jerome O. Gunderson
Senator-Elect
Rural Route 2, Box 308
Mabel, MN 55954

Mr. Ronald B. Sieloff
Senator-Elect
1934 Rome Avenue
St. Paul, MN 55116

Mr. Marvin Hanson
Senator-Elect
Rural Route
Hallock, MN 56728

Mr. Gerry Sikorski
Senator-Elect
9367 Otchipwe Avenue N.
Stillwater, MN 55082

Mr. Douglas J. Johnson
Senator-Elect
Box 14
Cook, MN 55723

Mr. Roger Strand
Senator-Elect
Rural Route
Cyrus, MN 56323

Mr. Frank Knoll
Senator-Elect
5316-1st Avenue South
Minneapolis, MN 55419

Mr. Conrad M. Vega
Senator-Elect
407-11th Avenue S.
So. St. Paul, MN 55075

Mr. Robert B. Lessard
Senator-Elect
Box 432, Island View Rt.
Internat'l. Falls, MN 56649

Mr. William P. Luther
Senator-Elect
6925 Dallas Road
Brooklyn Center, MN 55430

Mr. Marion Menning
Senator-Elect
100 E. Central
Edgerton, MN 56128

Mr. Tom Nelson
Senator-Elect
1206-5th Avenue NW
Austin, MN 55912

Mr. Jim Nichols
Senator-Elect
Box 163
Lake Benton, MN 56149

Taxes, (297 SO)
Chairman, *Representative William N. Kelly* 296-4260
Vice-Chairman, *Representative John Tomlinson* 296-4259
Administrative Assistant, *Dale Busacker* 296-4861
Secretary, *Cheryl Howe* 296-5068

Transportation, (272 SO)
Chairman, *Representative Stanley Fudro* 296-4377
Vice-Chairman, *Representative Richard Lemke* 296-4233
Administrative Assistant, *Daniel E. Sexton* 296-5066
Secretary, *Maxine J. Wiech* 296-4371

HOUSE

Name	Location	Party District	Centrex Number	Home Telephone
Abeln, Lyle	254 SO	(D) 38B	4366	(612) 881-5683
10930 Thomas Avenue South, Minneapolis, 55431				
Adams, Leo	353 SO	(D) 44B	4345	(612) 533-5185
3675 Maryland Avenue North, New Hope, 55427				
Adams, Salisbury	391 SO	(R) 42B	4342	(612) 473-9763
60 Myrtlewood Road, Wayzata, 55391				
Albrecht, Raymond	322 SO	(R) 23A	4318	(612) 328-5375
RFD 2, Brownton, 55312				
Anderson, Glen	333 SO	(D) 15B	4228	(612) 568-2573
Bellingham, 56212				
Anderson, Irvin N.	273 SO	(D) 3A	6251	(218) 283-2416
909 13th Street, International Falls, 56649				
Arlandson, John	347 SO	(D) 41A	4312	(612) 374-1144
1304 Tyrol Trail, Golden Valley, 55416				
Beauchamp, David	352 SO	(D) 9A	4321	(218) 233-0277
1211 25th Avenue South, Moorhead, 56560				
Begich, Joseph	299 SO	(D) 6A	5063	(218) 741-3873
1001 West Second Street, Eveleth, 55735				
Berg, Tom K.	370 SO	(D) 56B	4266	(612) 377-4776
2112 Newton Avenue South, Minneapolis, 55404				
Berglin, Linda	217 SO	(D) 59A	4261	(612) 874-0085
2309 Clinton Avenue South, Minneapolis, 55404				
Biersdorf, John S.	399C SO	(R) 32A	4332	(507) 451-9077
409 East Broadway, Owatonna, 55060				
Birnstihl, Orville	224	(D) 24B	4217	(507) 334-7871
Route 5, Western Avenue, Faribault, 55021				
Braun, Arthur	262 SO	(D) 1A	4258	(218) 782-4495
Box 10, Greenbush, 56726				
Brinkman, Bernard J.	296 SO	(D) 16B	4373	(612) 597-2328
Richmond, 56368				
Byrne, Margaret M. (Peggy)	214 SO	(D) 64B	4245	(612) 489-5910
524 Van Buren Avenue, St. Paul, 55103				
Carlson, Arne	319 SO	(R) 58B	4328	(612) 827-6495
4301 Fremont Avenue South, Minneapolis, 55409				
Carlson, Lyndon	288 SO	(D) 44A	4255	(612) 553-0026
5819 Halifax Avenue North, Brooklyn Center, 55429				

Name	Location	Party District	Centrex Number	Home Telephone
Carlson, Roy	342 SO	(D) 14A	4333	(612) 629-3151
350 Eighth Street, Pine City, 55063				
Casserly, James	238 SO	(D) 56A	4221	(612) 560-6870
6441 University Northeast, Minneapolis, 55432				
Clark, Janet	344 SO	(D) 60A	4354	(612) 724-8318
3025 Cedar Avenue South, Minneapolis, 55407				
Clawson, John	349 SO	(D) 19A	4358	(612) 257-7184
Box 336, Center City, 55012				
Corbid, John	376 SO	(D) 1B	4329	(218) 796-3323
Rural Route 2, Oklee, 56742				
Dahl, Harold	227 SO	(D) 22B	4218	(612) 543-3411
Box 337, Howard Lake, 55349				
Dean, William D.	378 SO	(R) 58A	4337	(612) 927-4988
5225 York Avenue South, Minneapolis, 55410				
DeGroat, Frank H.	317 SO	(R) 10A	4308	(218) 238-6680
Lake Park, 56554				
Dieterich, Neil B.	385 SO	(D) 62A	4253	(612) 644-6815
2171 Knapp Street, St. Paul, 55108				
Doty, Gary	360 SO	(D) 8A	4347	(218) 724-2683
116 Parkland Avenue, Duluth, 55805				
Eckstein, A. J. (Tony)	244 SO	(D) 28B	4265	(507) 354-4949
411 South State, New Ulm, 56073				
Eken, Willis	299C SO	(D) 2B	4236	(218) 584-8109
Twin Valley, 56584				
Enebo, Stanley	222 SO	(D) 60B	4274	(612) 729-5445
3304 East 25th Street, Minneapolis, 55406				
Erickson, Wendell O.	388 SO	(R) 26B	4336	(507) 962-4385
Hills, 56138				
Esau, Gilbert	318 SO	(R) 28A	4348	(507) 427-3156
Mountain Lake, 56159				
Evans, R. G. (Ron)	310 SO	(R) 29A	4309	(507) 388-1797
1104 Woodland, Mankato, 56001				
Ewald, Douglas R.	399A SO	(R) 40A	4311	(612) 935-5708
15025 Highland Trail, Minnetonka, 55343				
Faricy, Ray	242 SO	(D) 63A	4267	(612) 699-4278
2240 Goodrich Avenue, St. Paul, 55105				
Fjoslien, David O.	399 SO	(R) 11B	4317	(612) 524-2415
Route 2, Brandon, 56315				
Forsythe, Mary M.	377 SO	(R) 39A	4363	(612) 927-6613
4605 Edina Boulevard, Edina, 55424				
Friedrich, Donald L.	397 SO	(R) 32B	4378	(507) 282-0853
Route 3, Rochester, 55901				
Fudro, Stanley	372 SO	(D) 55A	4377	(612) 789-9111
2322 Second Street NE, Minneapolis, 55418				
Fugina, Peter	336 SO	(D) 5A	4374	(218) 741-7194
5 Merrit Drive, Virginia, 55792				
George, Michael	215 SO	(D) 50A	4238	(612) 429-5729
1140 Park Avenue, Mahtomedi, 55155				

Name	Location	Party District	Centrex Number	Home Telephone
Graba, Joseph . . . . . .335 SO Route #1, Box 94, Wadena, 56482		(D) 10B	4256	(218) 631-1239
Hanson, Walter . . . . . .228 SO 1136 Hague Ave., St. Paul, 55104		(D) 62B	4232	(612) 225-5418
Haugerud, Neil . . . . . .235 SO Preston, 55965		(D) 35A	4278	(507) 765-2494
Heinitz, O. J. (Lon) . . . . . .389 SO 2555 Queensland Lane, Wayzata, 55391		(R) 43A	4320	(612) 473-4763
Hokanson, Shirley . . . . . :234 SO 7345 Russell Ave. So., Minneapolis, 55423		(D) 37A	4239	(612) 869-1875
Jacobs, Joel . . . . . .229 SO 11932 Zion St., Coon Rapids, 55433		(D) 47A	4231	(612) 755-5740
Jaros, Michael . . . . . .230 SO 122 Park Avenue, Duluth, 55806		(D) 7B	4246	(218) 727-4077
Jensen, Robert . . . . . .215 SO 17837 Flagstaff Ave. W., Farmington 55024		(D) 53B	4862	(612) 463-8010
Johnson, Carl . . . . . .340 SO Route 3, Box 124, St. Peter, 56082		(D) 23B	4270	(507) 246-5336
Johnson, Douglas . . . . . .291 SO P.O. Box 14, Cook, 55723		(D) 6B	4234	(218) 666-2209
Jopp, Ralph . . . . . .387 SO Mayer, 55360		(R) 36A	3908	(612) 353-2484
Jude, Thaddeus (Tad) . . . .218 SO Mound, 55364		(D) 42A	4248	(612) 472-2790
Kahn, Phyllis . . . . . .237 SO 100 Malcolm Ave. SE, Minneapolis, 55414		(D) 57A	4257	(612) 332-4893
Kaley, J. R. (Dick) . . . . . .321 SO 1409 29th St. NW, Rochester, 55901		(R) 33A	4359	(507) 282-7187
Kalis, Henry . . . . . .239 SO Walters, 56092		(D) 30A	4240	(507) 294-3147
Kelly, Randall C. . . . . . .328 SO 1879 E. 7th St., St. Paul, 55119		(D) 66B	4277	(612) 739-5274
Kelly, William . . . . . .297 SO East Grand Forks, 56721		(D) 2A	4260	(218) 773-9593
Kempe, Arnold . . . . . .355 SO 28 Amelia Ave., West St. Paul, 55107		(D) 67A	3806	(612) 224-1284
Kempe, Raymond . . . . . .354 SO 1 Signal Hills, West St. Paul, 55118		(D) 53A	4220	(612) 224-2785
Ketola, Marvin . . . . . .263 SO 616 14th St., Cloquet, 55720		(D) 14B	4235	(612) 879-3331
Knickerbocker, Gerald . . .379 SO 10100 Minnetonka Blvd., Hopkins, 55343		(R) 40B	4315	(612) 938-8649
Knoll, Frank . . . . . .289 SO 5316 First Ave. So., Minneapolis, 55414		(D) 61A	4897	(612) 827-4889
Kostohryz, Richard . . . . . .345 SO 2478 E. Indian Way, N. St. Paul, 55109		(D) 50B	4936	(612) 777-6171
Kroening, Carl . . . . . .231 SO 3539 Vincent Ave. No., Minneapolis, 55412		(D) 54A	4302	(612) 522-4914

Name	Location	Party District	Centrex Number	Home Telephone
Kvam, Adolph L. . . . . .393 SO 25 W. Lockerbie, Litchfield, 55355		(R) 22A	4344	(612) 693-8275
Laidig, Gary W. . . . . .325 SO 114 North 4th St., Bayport, 55003		(R) 51A	4351	(612) 439-2808
Langseth, Keith . . . . . .330 SO R.R. #2, Glyndon, 56547		(D) 9B	4335	(218) 498-3951
Lemke, Richard . . . . . .381 SO Route 1, Lake City, 55041		(D) 34A	4233	(507) 345-4152
Lindstrom, John . . . . . .282 SO Box 913, Willmar, 56201		(D) 21A	4222	(612) 235-5339
Luther, William . . . . . .290 SO 6925 Dallas Rd., Brooklyn Center, 55430		(D) 45B	4367	(612) 340-2811
McCarron, Paul . . . . . .248 SO 732 82nd Ave. NE, Spring Lake Park, 55432		(D) 46A	4242	(612) 784-9773
McCauley, M. J. (Mac). . . . .398 SO 404 East Howard St., Winona, 55987		(R) 34B	4341	(507) 452-2485
McCollar, M. D. (Mac) . . .332 SO 3563 White Bear Ave., White Bear Lake, 55110		(D) 49B	4319	(612) 777-1863
McEachern, Robert . . . . .329 SO 601 North Walnut St., St. Michael, 55376		(D) 18B	4237	(612) 497-2572
Mangan, Thomas . . . . . 346 SO 533 Bean St., Anoka, 55303		(D) 19B	4356	(612) 421-1768
Mann, George . . . . . .299 SO Route 1, Windom, 56101		(D) 27A	4292	(507) 831-1730
Meier, Claudia . . . . . 331 SO R.R. #2, Rice, 56367		(D) 18A	4400	(612) 251-9054
Menning, Marion (Mike) . . 362 SO Box 464, Edgerton 56128		(D) 26A	4364	(507) 442-6191
Metzen, James P. . . . . 219 SO 401 Orchard Lane, S. St. Paul, 55075		(D) 52A	4370	(612) 451-2193
Moe, Donald . . . . . .232 SO Box 3524, St. Paul, 55165		(D) 65B	4264	(612) 226-4522
Munger, Willard . . . . . 226 SO 1121 70th Ave. W., Duluth, 55807		(D) 7A	4282	(218) 624-4050
Neisen, Howard . . . . . .350 SO 5150 Irondale Rd., Moundsview, 55112		(D) 49A	4322	(612) 784-4821
Nelson, Bruce . . . . . .327 SO R.R., Staples, 56479		(R) 12A	4352	(612) 893-1373
Nelson, Kenneth . . . . . .339 SO 3816 Nicollet, Minneapolis, 55409		(D) 59B	4244	(612) 825-6667
Niehaus, Joseph T. . . . . .312 SO Route 3, Sauk Centre, 56378		(R) 16A	4379	(612) 352-3241
Norton, Fred . . . . . .245 SO 1230 Commerce Bldg., St. Paul, 55101		(D) 65A	2080	(612) 227-5031
Novak, Steven G. . . . . .356 SO 2110 14th St. NW, St. Paul, 55112		(D) 48A	4334	(612) 636-7564
Osthoff, Thomas . . . . . .267 SO 766 Maryland Ave. W., St. Paul, 55117		(D) 64A	4224	(612) 489-9596

Name	Location	Party District	Centrex Number	Home Telephone
Parish, Richard	.368 SO	(D) 43B	4300	(612) 545-2189
3826 W. Broadway, Robbinsdale, 55422				
Patton, Al	.384 SO	(D) 17A	4216	(612) 252-6271
Box 163, Sartell, 56377				
Pehler, James	.261 SO	(D) 17B	4241	(612) 251-0350
734 14th Ave. So., St. Cloud, 56301				
Peterson, Darrell	.311 SO	(R) 27B	3729	(507) 238-1091
Route 3, Fairmont, 56031				
Petrafeso, Paul (Pete)	.284 SO	(D) 41B	4863	(612) 938-1829
3200 Virginia Ave. So., St. Louis Park, 55426				
Philbrook, B. J. (Bud)	.382 SO	(D) 48B	4326	(612) 484-2328
2755 Rice Street, St. Paul, 55113				
Pleasant, Ray O.	.313 SO	(R) 39B	4316	(612) 888-1671
9841 Xerxes Curve, Bloomington, 55431				
Prahl, Norman	.293 SO	(D) 3B	4225	(218) 778-6388
Keewatin, 55753				
Reding, Leo	.351 SO	(D) 31B	4324	(507) 437-3846
709 12th Ave. NW, Austin, 55912				
Rice, James	.383 SO	(D) 54B	4262	(612) 529-1983
2220 Vincent Ave. No., Minneapolis, 55411				
Sabo, Martin	.276 SO	(D) 57B	6610	(612) 729-8573
3129 E. 22nd St., Minneapolis, 55406				
St. Onge, Douglas	.223 SO	(D) 4A	4263	(218) 751-2229
Box 387, Bemidji, 56601				
Samuelson, Donald B.	.249 SO	(D) 13A	4875	(218) 829-4898
1018 Portland Ave., Brainerd, 56401				
Sarna, John	.270 SO	(D) 55B	4219	(612) 781-2482
2837 Ulysses, Minneapolis, 55418				
Savelkoul, Henry J.	.390 SO	(R) 31A	4365	(507) 373-4033
1100 Cedar, Albert Lea, 56007				
Schreiber, William H.	.380 SO	(R) 45A	4343	(612) 425-4317
10001 Zane Ave. N., Brooklyn Park, 55443				
Schumacher, Wayne	.343 SO	(D) 15A	4325	(612) 283-5626
R. R. 1, Glenwood, 56334				
Schulz, Victor	.375 SO	(D) 25B	4223	(507) 732-5409
RR 1, Goodhue, 55027				
Searle, Rodney N.	.395 SO	(R) 30B	4339	(507) 835-4085
Route 1, Waseca, 56093				
Setzepfandt, A. O. H. (Setz) .	386 SO	(D) 21B	4346	(612) 365-3333
Box 356, Bird Island, 55310				
Sherwood, Glen	.250 SO	(D) 4B	4252	(218) 587-4185
Star Route #60, Pine River, 56374				
Sieben, Harry	.371 SO	(D) 52B	4227	(612) 437-7388
4940 Viking Drive, Minneapolis, 55435				
Sieben, Michael	.292 SO	(D) 51B	4250	(612) 459-5292
1652 Cedar Lake, Newport, 55055				
Sieloff, Ronald B.	.323 SO	(R) 63B	4310	(612) 690-1986
1934 Rome Ave., St. Paul, 55116				

Name	Location	Party District	Centrex Number	Home Telephone
Simoneau, Wayne . . . . . .357 SO 465 57th Pl. N.E., Fridley, 55432		(D) 46B	4331	(612) 560-5268
Skoglund, Wesley . . . . . .365 SO 5701 19th Ave. So., Minneapolis, 55417		(D) 61B	4330	(612) 721-1515
Smith, Howard . . . . . .243 SO 116 West Main, Crosby, 55441		(D) 13B	4874	(218) 546-5632
Smogard, Ellsworth . . . . .359 SO R.R. 2, Madison, 56256		(D) 20A	4357	(507) 752-4232
Spanish, John . . . . . .334 SO P.O. Box 575, Hibbing, 55746		(D) 5B	4254	(218) 263-4879
Stanton, Russell P. . . . . . .337 SO Route 1, Arco, 56113		(D) 20B	4249	(507) 487-2317
Suss, Ted L. . . . . . .348 SO Box 319, Prior Lake, 55372		(D) 36B	4313	(612) 447-5759
Swanson, James . . . . . .369 SO 6827 Fifth Ave. S., Richfield, 55423		(D) 37B	4885	(612) 869-6805
Tomlinson, John . . . . . .294 SO 2176 Glenridge Ave., St. Paul, 55119		(D) 67B	4259	(612) 739-3096
Ulland, James . . . . . .315 SO Route 6, Box 181, Duluth, 55804		(R) 8B	4314	(218) 525-5430
Vanasek, Robert . . . . . .285 SO 807 3rd St. NE, New Prague, 56071		(D) 34A	4229	(612) 758-4757
Vento, Bruce . . . . . .271 SO 1534 Atlantic, St. Paul, 55106		(D) 66A	4230	(612) 771-9930
Voss, Gordon . . . . . .251 SO 11120 N.E. 7th St., Blaine, 55434		(D) 47B	4226	(612) 757-3359
Wenstrom, Gene R. . . . . .358 SO Box 44, Elbow Lake, 56531		(D) 11A	4323	(218) 685-4322
Wenzel, Stephen . . . . . .266 SO Little Falls, 56345		(D) 12A	4247	(612) 632-6485
White, James . . . . . .286 SO 512 Oak St., Farmington, 55024		(D) 25A	4286	(612) 463-7374
Wieser, Al, Jr. . . . . . .255 SO 704 S. 4th St., LaCrescent, 55947		(D) 35B	4251	(507) 895-2693
Wigley, Richard . . . . . .316 SO Route 2, Lake Crystal, 56055		(R) 29B	4355	(507) 726-2394
Williamson, Bruce . . . . . .236 SO 121 West 90th St., Minneapolis, 55420		(D) 38A	4303	(612) 881-3989
Zubay, Kenneth P. . . . . . .326 SO 1326 2nd St. NW, Rochester, 5590		(R) 33B	4340	(507) 282-8796

LEGISLATIVE COMMISSIONS

Retirement Study Commission
41 State Office Building

Executive Secretary, *John S. Mandeville* . . . . . 296-2750 - 296-6806
Assistant, *Lawrence A. Martin* . . . . . 296-2750 - 296-6806
Secretary, *Eleanor Diebel* . . . . . 296-2750 - 296-6806

Administrative Assistant, *Janet Lund* 296-4175
Committee Secretary, *Dagny H. Swanson* 296-4175

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Chairman, *Senator George R. Conzemius* 296-4144
Administrative Assistant, *Michael Ahern* 296-4144
Committee Secretary, *Constance Dabelow* 296-4144

Judiciary (27)
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Administrative Assistant, *Dale Ulrich* 296-4841
Committee Secretary, *Mary Mogush* 296-4841

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Committee Secretary, *Josephine Dario* 296-4158
Legislative Assistant, *Lucy Johnson* 296-4158

Local Government (205)
Chairman, *Senator Alec G. Olson* 296-4146
Administrative Assistant, *Rosemary Goff* 296-4150

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Chairman, *Senator John C. Chenoweth* 296-4172
Administrative Assistant, *Peter J. Kiedrowski* 296-4176
Committee Secretary, *LaVerne Swanson* 296-4176

Natural Resources and Agriculture (235)
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Administrative Assistant, *Mark Andrew* 296-4157
Committee Secretary, *Arnella Tischler* 296-4157

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Chairman, *Senator Nicholas D. Coleman* 296-4196
Administrative Assistant, *John Kaul* 296-4199
Committee Secretary, *Dorothy Abell* 296-4196
Secretary to Majority Leader, *Shirley Cardwell* 296-4196

Taxes and Tax Laws (G-29)
Chairman, *Senator A. J. (Tony) Perpich* 296-4839
Administrative Assistant, *Susan Chianelli* 296-4901
Committee Secretary, *Bettye J. Bates* 296-4839

Transportation and General Legislation (328)
Chairman, *Senator Roger A. Laufenburger* 296-4181
Administrative Assistant, *Linda Schutz* 296-4186
Committee Secretary, *Mary Turk* 296-4186

SENATE

NAME	Location	Party District	Centrex Number	Home Telephone
Anderson, Jerald C. . . . . 328 Cap Box 503, North Branch, 55056		(D)19	4184	(612) 674-7187
Arnold, Norbert . . . . . 235 Cap Route #1, Box 93, Pengilly, 55775		(D)3	4155	(218) 885-2386
Ashbach, Robert O. . . . . 124 SO 1585 Lake Johanna Boulevard, St. Paul, 55112		(R)48	4111	(612) 633-1100
Bang, Otto T. Jr. . . . . . 136 SO 5200 Duggan Place, Edina, 55435		(R)39)	4122	(612) 941-4754

NAME	Location	Party District	Centrex Number	Home Telephone
Berg, Charles . . . . . Chokio, 56221	113 SO	(R)15	4102	(612) 324-2506
Bernhagen, John J. . . . . Route #1, Hutchinson, 55350	145 SO	(R)22	4131	(612) 879-4002
Blatz, Jerome V. . . . . 11044 Glen Wilding Lane, Bloomington, 55431	121 SO	(R)38	4108	(612) 881-4272
Borden, Winston W. . . . . 514 Grove Street, Brainerd, 56401	208 Cap	(D)13	2607	(218) 829-2578
Brataas, Nancy . . . . . 839 South West 10½ Street, Rochester, 55901	113 SO	(R)33	4848	(507) 288-4020
Brown, Robert J. . . . . 106 W. Wilkin Street, Stillwater, 55082	49 SO	(R)51	4133	(612) 439-1605
Chenoweth, John C. . . . . 1378 Searle Street, St. Paul, 55101	303 Cap	(D)66	4172	(612) 771-0279
Chmielewski, Florian . . . Sturgeon Lake, 55783	328 Cap	(D)14	4182	(218) 372-3616
Coleman, Nicholas D. . . . 79 Western Avenue North, St. Paul, 55102	208 Cap	(D)65	4196	(612) 226-1061
Conzemius, George R. . . . 800 West Hoffman, Cannon Falls, 55009	205 Cap	(D)25	4144	(507) 263-3127
Davies, Jack . . . . . 3424 Edmund Boulevard, Minneapolis, 55406	G27 Cap	(D)60	4841	(612) 721-2347
Doty, Ralph R. . . . . 4107 Dodge Street, Duluth, 55804	303 Cap	(D)8	4171	(218) 525-5076
Dunn, Robert . . . . . 708 4th Street South, Princeton, 55371	131 SO	(R)18	4117	(612) 389-1593
Fitzsimons, Richard W. . . 192 6th Street South, Warren, 56762	138 SO	(R)1	4124	(218) 748-4651
Frederick, Mel . . . . . 414 Clyde Street, West Concord, 55985	137 So	(R)32	4123	(507) 527-2463
Gearty, Edward J. . . . . 3810 Xerxes Avenue North, Minneapolis, 55412	303 Cap	(D)54	4174	(612) 529-4197
Hansen, C. R. (Baldy) . . . 100 Southeast First Street, Austin, 55912	235 Cap	(D)31	4153	(507) 433-8823
Hansen, Mel . . . . . 4505 28th Avenue South, Minneapolis, 55406	126 SO	(R)61	4113	(612) 722-2182
Hanson, Roger . . . . . Vergas, 56587	144 SO	(R)10	4130	(218) 342-2901
Hughes, Jerome M. . . . . 1978 Payne Avenue, Maplewood, 55117	328A Cap	(D)50	4183	(612) 771-1551
Humphrey, Hubert H. III . . 8116 40th Avenue North, New Hope, 55427	330 Cap	(D)44	4180	(612) 545-4159
Jensen, Carl A. . . . . 209 First Avenue South, Sleepy Eye, 56085	125 SO	(R)28	4112	(507) 794-4851
Josefson, J. A. . . . . 310 North Grant, Minneota, 56264	140 SO	(R)20	4126	(507) 872-6250
Keefe, John . . . . . 201 Oakwood Road, Hopkins, 55343	110 SO	(R)40	4118	(612) 935-6049
Keefe, Stephen . . . . . 4217 Garfield Avenue South, Minneapolis, 55409	323 Cap	(D)59	4190	(612) 824-7533
Kirchner, William G. . . . 6830 Newton Avenue South, Richfield, 55423	129 SO	(R)37	4115	(612) 869-6830

NAME	Location	Party District	Centrex Number	Home Telephone
Kleinbaum, Jack I. . . . . . 1100 23rd Avenue North, St. Cloud, 56301	302 Cap	(D)17	4173	(612) 251-2461
Knutson, Howard A. . . . . 1907 Woods Lane, Burnsville, 55337	134 SO	(R)53	4120	(612) 890-1218
Kowalczyk, Al . . . . . 6016 70th Avenue North, Brooklyn Park, 55429	112 SO	(R)45	4100	(612) 561-9326
Larson, Lew W. . . . . . Mabel, 55954	141 SO	(R)35	4127	(507) 493-5580
Laufenburger, Roger A. . . . Box 6, Lewiston, 55952	328 Cap	(D)34	4181	4881
	(Dial Operator to place call)			
Lewis, B. Robert . . . . . 1601 Hillsboro Avenue South, St. Louis Park, 55426	306 Cap	(D)41	4166	(612) 544-8101
McCutcheon, William . . . 2238 Edgebrook Avenue, St. Paul, 55119	301 Cap	(D)67	4129	(612) 735-2922
Merriam, Eugene . . . . . 2924 - 116th Ave. NW, Coon Rapids, Mn. 55433	323 Cap	(D)47	4154	(612) 427-2845
Milton, John . . . . . 4101 County Line Road, White Bear Lake, 55110	306 Cap	(D)49	4168	(612) 426-4731
Moe, Roger D. . . . . . 706 3rd Avenue East, Ada, 56510	121 Cap	(D)2	2577	(218) 784-4583
Nelson, Rolf T. . . . . . 3820 Bassett Creek Drive, Golden Valley, 55422	130 SO	(R)43	4116	(612) 588-3102
North, Robert D. . . . . . 1642 Blair Avenue, St. Paul, 55104	306 Cap	(D)62	4165	(612) 645-1492
Ogdahl, Harmon T. . . . . 5026 Morgan Avenue South, Minneapolis, 55419	122 SO	(R)58	4109	(612) 926-8119
Olhoft, Wayne . . . . . Herman, 56248	309 Cap	(D)11	4178	(612) 677-3151
Olson, Alec G. . . . . . Route #1, Spicer, 56288	205 Cap	(D)21	4146	(612) 796-5302
Olson, Howard D. . . . . . Route #3, St. James, 56081	325 Cap	(D)27	4187	(507) 375-5439
Olson, John L. . . . . . 612 Lake Street, Worthington, 56187	142 SO	(R)26	4128	(507) 376-3702
O'Neill, Joseph T. . . . . . 1381 Summit Avenue, St. Paul, 55105	128 SO	(R)63	4114	(612) 644-4470
Patton, John . . . . . 1007 South Moore, Blue Earth, 56013	115 SO	(R)30	4103	(507) 526-2214
Perpich, A. J. (Tony) . . . . 4 Lakeside Drive South, Ely Lake, Eveleth, 55734	G29 Cap	(D)6	4839	(218) 749-2948
Perpich, George F. . . . . . 104½ Lake Street West, Chisholm, 55719	205 Cap	(D)5	4145	(218) 254-4210
Pillsbury, George S. . . . . 1320 Bracketts Point Road, Wayzata, 55391	143 SO	(R)42	4121	(612) 473-9634
Purfeerst, Clarence M. . . . Route #2, Faribault, 55021	306 Cap	(D)24	4167	(507) 334-6688
Renneke, Earl W. . . . . . Route #2, LeSueur, 56038	139 SO	(R)23	4125	(612) 665-2930
Schaaf, David D. . . . . . 6550 East River Road, Fridley, 55432	309 Cap	(D)46	4179	(612) 560-8893
Schrom, Ed . . . . . Route #2, Albany, 56307	G29 Cap	(D)16	4840	(612) 845-2323

NAME	Location	Party District	Centrex Number	Home Telephone
Sillers, Douglas H.	143 SO	(R)9	4119	(218) 233-4373
Route #2, Moorhead, 56560				
Solon, Sam George	325 Cap	(D)7	4188	(218) 727-3997
616 West Third Street, Duluth, 55806				
Spear, Allan H.	323 Cap	(D)57	4191	(612) 333-5949
2024 Seabury Avenue South, Minneapolis, 55406				
Stassen, J. Robert	135 SO	(R)52	4132	(612) 451-2596
2320 Kraft Street, South St. Paul, 55075				
Stokowski, Eugene	323 Cap	(D)55	4192	(612) 789-7790
2231 Stinson Boulevard, Minneapolis, 55418				
Stumpf, Peter	G2 Cap	(D)64	4193	(612) 488-1136
1283 Danforth, St. Paul, Mn. 55117				
Tennessen, Robert J.	G27 Cap	(D)56	4841	(612) 374-2835
2564 Upton Avenue, South Minneapolis, 55405				
Ueland, Arnulf Jr.	117 SO	(R)29	4105	(507) 388-3667
2013 Roe Crest Drive, North Mankato, 56001				
Wegener, Myrton O.	235 Cap	(D)12	4156	(218) 924-5565
Bertha, 56437				
Willet, Gerald L.	205 Cap	(D)4	4147	(218) 732-3520
207 Mill Road, Park Rapids, 56470				

LIEUTENANT GOVERNOR

Room 122 Capitol

LIEUTENANT GOVERNOR, *Rudy Perpich* 296-2374
- Administrative Aide, *Reed Carpenter* 296-2374
- Administrative Assistant, *Robert Aronson* 296-2374
- Research Assistant, *Lynne Olson* 296-2374

LIQUOR CONTROL

(See Public Safety)

LIVESTOCK SANITARY BOARD

Room 300, 555 Wabasha Street, St. Paul 55102

INFORMATION 296-2942

SECRETARY AND EXECUTIVE OFFICER, *Jack G. Flint, D.V.M.* . . 296-5000
- Assistant Secretary, *Alan Morrow, D.V.M.* 296-3592
- Accounting, *Judith D. Kretzmann* 296-5001
- Brucellosis and Tuberculosis Division
  - Veterinarian in Charge, *George E. Keller, D.V.M.* 296-4138
  - Supervisor, *Bernice L. Jasorka* 296-4139
  - Division Aides
    - *Grace M. Brown* 296-2462
    - *Lawrence R. Zimmerman* 296-2554
  - Brucellosis Testing Laboratory, St. Paul Campus
    - *LeRoy T. Christensen, D.V.M.* 373-1491
- Exports, *Marian S. Comford* 296-3593
- Imports and Markets, *Robert G. Pyle, D.V.M.* 296-2941
- Permits 296-2967

NEW MEMBERS ELECTED TO THE HOUSE OF REPRESENTATIVES 1977-78

Representative David Battaglia
1803 7th Ave.
Two Harbors, MN 55616

Arlene Lehto, Representative
901 East 7th Street
Duluth, MN 55805

Tom Berkelman, Representative
1830 Melrose Ave.
Duluth, MN 55803

Jim Evans, Representative
1424 Lori Ave.
Detroit Lakes, MN 56501

Robert Anderson, Representative
Box 28
Battle Lake, MN 56515

M. B. Nelsen,(Doc), Representative
Fleming Route
Aitkin, MN 56431

Mary Murphy, Representative
6794 Arrowhead Rd.
Duluth, MN 55811

Dick Welch, Representative
RR 1
Cambridge, MN 55008

Buzz Anderson, Representative
RR 3
Slayton, MN 56172

David Cummiskey, Representative
112 Bradley
Mankato, MN 56001

Tom Stoa, Representative
763 East Front St.
Winona, MN 55987

Kenneth McDonald, Representative
200 Carter St., Box 471
Watertown, MN 55388

Bob Searles, Representative
575 No. Ferndale Rd.
Wayzata, MN 55391

Dwayne King, Representative
4025 Wasatch Lane
Golden Valley, MN 55422

Linda Scheid, Representative
5316 81st Ave. No.
Brooklyn Park, MN 55443

Robert Ellingson, Representative
7015 Brooklyn Blvd.
Brooklyn Center, MN 55430

John Rose, Representative
1211 Brooks Ave. W.
Roseville, MN 55113

John Brandl, Representative
310 West Elmwood Place
Mpls., MN 55419

Ann Wynia, Representative
1550 Branston
St. Paul, MN 55108

Richard Cohen, Representative
2043 Montreal Ave.
St. Paul, MN 55116

Eugene Waldorf, Representative
1176 East Orange
St. Paul, MN 55106

****

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING GRADING PROCEDURES FOR MILK FOR MANUFACTURING PURPOSES	AFFIDAVIT OF RECEIPT OF THE SECRETARY OF STATE'S LIST

Victoria Fowler being duly sworn on oath deposes and says:

1) That she is an employee of the Department of Agriculture of the State of Minnesota.

2) That on the 14th day of December, 1976, she went to the Secretary of State's Office for the State of Minnesota and requested a current list of all representatives of associations or other interested groups or persons who had registered their names with the Secretary of State for the purpose of obtaining notices of public hearing relating to the promulgation of rules pursuant to M.S. 15.0412.

3) That on the 14th day of December, 1976, in response to the above request, the Secretary of State provided her with such a list, a copy of which is attached hereto and incorporated by reference.

Further affiant sayeth not. Victoria Fowler

Subscribed and sworn to before me this

15th day of Dec, 1976

Notary Public, Joan LeDuc

Ramsey County, Minnesota

My Commission expires _____.

JOAN LeDUC
NOTARY PUBLIC - MINNESOTA
RAMSEY COUNTY
MY COMMISSION EXPIRES
August 14, 1981

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION)
OF RULES OF THE DEPARTMENT OF AGRICULTURE) AFFIDAVIT OF MAILING
GOVERNING GRADING PROCEDURES FOR MILK FOR)
MILK FOR MANUFACTURING PURPOSES)

Victoria A. Fowler being first duly sworn, deposes and says:

That on the 15th day of December, 1976 the City of St. Paul, County of Ramsey, State of Minnesota, she served the attached Notice of Hearing by depositing in the United States mail at said City of St. Paul, a true and correct copy thereof, properly enveloped, with postage prepaid, to all persons and associations at the addresses listed on the attached Certificate of the Secretary of State.

Victoria A. Fowler

Subscribed and sworn to before me this

15th day of December 1976

Notary Public, Joan LeDuc

Ramsey County, Minnesota

My Commission expires

JOAN LeDUC
Notary Public, Ramsey County, Minn.
MY COMMISSION EXPIRES
August 14, 1981

Official Notices

ENVIRONMENTAL QUALITY COUNCIL

EQC MONITOR

Notice of Hearing
Annual Hearing

Notice is hereby given that a public hearing will be held in the matter of the annual hearing as required by the Power Plant Siting Act, pursuant to Minn. Stat. § 116C.58 (1974),commencing **in St. Paul, Minnesota, September 11, 1976 at 10:00 a.m., State Office Building Auditorium, Room 83.** All persons, representatives and organizations will have the opportunity to be heard by submitting oral or written data, statements, comments or arguments or by presenting witnesses. All testimony will be sworn and questions on the testimony will be permitted.

In particular, testimony will be accepted on the adequacy of the High Voltage Transmission Line Corridor and route designation process. Other testimony will be accepted on the Power Plant Siting regulations, Minn. Reg. MEQC 71.,and any other aspects of the Council's activities regarding power plant siting and transmission line routing.

Copies of the 1973 Power Plant Siting Act and the rules and regulations are available at MEQC designated distribution points for each region in Minnesota; at the Environmental Quality Council Office in St. Paul, 100 Capitol Square, 550 Cedar Street, and at libraries of all universities and colleges in Minnesota. Applications from utilities are available at MEQC designated distribution points.

Under Minn. Stat. § 10A-01, subd. 11 (1974), any individual representing persons or associations attempting to influence administrative action must register with the State Ethics Commission as a lobbyist within five days of the commencement of such activity by the individual. The State Ethics Commission is located at 410 State Office Building, St. Paul, Minnesota 55155.

For further information concerning this hearing, please contact Power Plant Siting Staff (212) 296-2399.

(End of EQC Monitor)

DEPARTMENT OF AGRICULTURE

Proposed Rules Governing Grading Procedures for Milk

Notice of Intention to Solicit Outside Opinion

Notice is hereby given that the Minnesota Department of Agriculture has begun consideration of proposed rules governing the Grading Procedures of Milk for Manufacturing. In order to adequately determine the nature and utility of such rules, the Department of Agriculture hereby requests information and comments from all interested individuals or groups concerning the subject matter of the proposed rules.

All interested or affected persons or groups are requested to participate. Statements of information and comment may be made orally or in writing. Written statements of information and comment may be addressed to:

Mr. Harold Johnson
Minnesota Department of Agriculture
530 State Office Building
Saint Paul, Minnesota 55155

Oral statements of information and comment will be received during regular business hours over the phone at (612) 296-3674, and in person at the above address.

All statements of information and comment must be received by September 30, 1976. Any written material received by the Department shall become part of the hearing record.

The proposed rules, if adopted, would establish rules revising standards for milk quality testing, milk sediment testing, and new screening testing for abnormal milk, so as to be in uniformity with USDA regulations.

Mr. Harold Johnson, Supervisor
Manufacturing Milk Program

Department of Agriculture Planning and Research Division

Standards, Grades and Price Differentials for Milk and Cream

Notice of Hearing

Notice is hereby given that a public hearing on the above-entitled matter will be held in Conference Room D, Veterans Services Building, 20 W. 12th Street and Columbus Avenue, Saint Paul, Minnesota on January 18, 1977, commencing at 10:00 a.m., or as soon thereafter as possible and continuing until all persons have had an opportunity to be heard.

All interested or affected persons will have an opportunity to participate. Statements may be made orally and written materials may be submitted at the hearing. In addition, written materials may be submitted by mail to Myron Greenberg, Esq., Office of Hearing Examiners, 1745 University Avenue, Room 300, Saint Paul, Minnesota 55104, phone (612) 296-6910 either before the hearing or within 20 days after the close of the hearing.

The proposed rules, if adopted, would revise rules Agr. 1188 through Agr. 1191 regarding standards for milk for manufacturing purposes for milk quality testing, milk sediment testing, and new screening testing for abnormal milk, so as to be in uniformity with U.S.D.A. regulations. Copies of the proposed rules are now available and one free copy may be obtained by writing to the Minnesota Department of Agriculture, 420 State Office Building, Saint Paul, Minnesota 55155. Additional copies will be available at the door on the date of the hearing. The department's authority to promulgate the proposed rules is contained in Minn. Stat. § 32.401, subd. 1 (1974). A "statement of need" explaining why the department feels the proposed rules are necessary and a "statement of evidence" outlining the testimony they will be introducing will be filed with the Hearing Examiners Office at least 25 days prior to the hearing and will be available there for public inspection.

Please be advised that pursuant to Minn. Stat. § 10A.01, subd. 11 (1974), any individual engaged for pay or other consideration for the purpose of representing persons or associations attempting to influence administrative action, such as the promulgation of these rules, must register with the Minnesota State Ethical Practices Board, 410 State Office Building, Saint Paul, Minnesota 55155, as a lobbyist within five days of the commencement of such activity by the individual.

Jon Wefald
Commissioner of Agriculture

Rules as Proposed

Chapter Forty-Nine:

Agr 1188 Grading procedure for milk.

A. All milk offered for sale and purchased for manufacturing purposes shall be purchased and paid for on the grades adopted herein.

B. Grading procedures. **All of** [T] the following tests shall be used in determining the grades for milk for manufacturing purposes **at the frequencies established by these rules**:

1. Bacterial Content Estimates Test;

2. Sediment Test;

3. Abnormalities Detectable by Sight and Odor Test;

4. Antibiotics and Bacterial Growth Inhibitors Test; and,

5. Abnormal Milk Test.

C. [Methylene blue reduction] **Bacterial content estimates** test.

1. [The methylene blue reduction] **Either the Resazurin reduction test, the direct microscopic count test, the standard plate count test, or the plate loop count** test, described in [the current edition of] "Standard Methods for the Examination of Dairy Products", published by the American Public Health Association and on file in the office of the commissioner, or other comparable tests approved by the commissioner, shall be used. **The tests shall be made at least once during each calendar month.**

2. The following grade classification, by bacterial content estimate, shall be used:

KEY: New rules and material proposed to be added to an existing rule are printed in **boldface.** Material proposed to be deleted from an existing rule is printed in [single brackets]. Underlining indicates additions to proposed rules, while [[double brackets]] indicate matter stricken from proposed rules. Existing material is printed in standard type face.

Grade classification	Direct microscopic count, standard plate count or plate loop count	Resazurin reduction time to Munsell color standard 5 P 7/4
Grade One (1)		
Can	Not over 500,000 per milliliter.	Not less than 2¼ hours.
Bulk	do	Not less than 3¼ hours.
Grade Two (2)		
Can	Not over 3,000,000 per milliliter.	Not less than 1½ hours.
Bulk	do	Not less than 2½ hours.
Undergrade		
Can	Over 3,000,000 per milliliter.	Less than 1½ hours.
Bulk	do	Less than 2½ hours.

D. Sediment test [;]. Methods [; Records].

1. Methods. The following shall be acceptable sediment test methods for the purpose of determining the grades of milk for manufacturing purposes:

a. Off-the-bottom method. The off-the-bottom sediment test, described in [the current edition of] "Standard Methods for the Examination of Dairy Products", published by the American Public Health Association and on file in the office of the commissioner [, or other comparable tests approved by the commissioner] shall be used for sediment testing milk delivered in cans. [Comparable tests approved by the commissioner shall be used for sediment testing milk handled in bulk farm tanks. A record of all sediment tests shall be retained by the person taking them for a period of at least one (1) year thereafter.]

[Sediment Test; Off-the-Bottom Method.] The sample of milk from which the sediment test is made [, using the off-the-bottom method,] shall consist of a pint of milk taken by drawing the sediment tester once across the bottom diameter of the original container of milk simultaneously with the upstroke of the plunger **and discharged through a disc with an exposed area of 1⅛ inch in diameter.**

b. [Sediment test;] Mixed sample method. [The commissioner shall approve a mixed sample method for sediment testing milk handled in bulk tanks. Such methods shall be devised so that the results may be classified according to the official chart adopted herein.] **The mixed sample sediment test of milk from bulk tanks shall be made by drawing one pint of milk from the thoroughly agitated tank of milk and filtering the milk through a lintine disc with an exposed area of .40 inch in diameter.**

c. Other methods. Other comparable methods of equal or greater reliability approved by the commissioner, may be used for sediment testing of milk delivered in cans and handled in bulk farm tanks.

d. [Sediment] Official **sediment** chart. The sediment test shall be **made no less frequently than once each month of a producer's milk deliveries and shall be** classified according to the following standards [and according to the official chart adopted by the commissioner]:

Pad No. 1 .....[clean .....0.0mg.]	Not to exceed 0.50 mg sediment .... (Acceptable)
Pad No. 2 ..... [0.5mg.]	Not to exceed 1.50 mg sediment .... (Acceptable)
Pad No. 3 ..... [2.5mg.]	Not to exceed 2.50 mg sediment ... (Probational)
Pad No. 4 ..... [5.0mg.]	Excess of 2.50 mg sediment ..... (Illegal)
[Pad No. 5 ..... 10.0mg.]	

(1) Acceptable milk shall be milk yielding a sediment pad not to exceed Pad No. 2 (1.50 mg sediment).

(2) Probational milk shall be milk yielding a sediment Pad No. 3 (in excess of 1.50 mg sediment, but not to exceed 2.50 mg sediment) for a period not to exceed ten calendar days. After said period, such probational milk shall be classified as illegal milk.

(3) Illegal milk shall be all milk which contains visible foreign materials, is abnormal in any respect, or yields a sediment in excess of Pad No. 3 (2.5 mg sediment). Such milk shall be dealt with in accordance with Agr 1191.

E. Abnormalities detectable by sight and odor test.

1. Each delivery or pick up of milk shall be examined by sight and odor to determine the acceptability of the milk. The milk shall look and smell fresh and sweet, and shall be free from objectionable odors that would adversely affect the finished product. It shall have no visible abnormal condition including, but not limited to, curdled, ropy, bloody, or mastitic condition, or visible foreign matter.

F. Antibiotics and/or bacterial growth inhibitors test.

1. At least four times during each six month period, a separate or co-mingled sample of each producer's milk shall be tested for antibiotic residues and/or bacterial growth inhibitors. The test to be used shall be approved by the commissioner. When a producer's milk shows a positive test, the milk shall be

immediately rejected from all markets and shall not be accepted until a subsequent test is negative.

G. Abnormal milk test.

1. Examination shall be made of each producer's milk at least four times in each six month period for the presence of unwholesome mammary secretions, whether of an inflammatory, infectious, physiological, or environmental origin.

2. When a herd milk sample exceeds any one of the following screening test results, a somatic cell count using the Direct Microscopic Count Method or equivalent, or the Electronic Cell Count Method shall be made on that sample and the results of the confirmatory test shall be the official result.

a. California Mastitis Test — Weak Positive (CMT 1+)

b. Modified Whiteside Test — Positive (1+)

c. Wisconsin Mastitis Test — WMT value of 21 mm

3. Whenever any of the above confirmatory tests indicate the presence of more than 1,500,000 somatic cells per ml, the dairy plant shall send a notice to the producer informing him of the excessive somatic cell count. The producer's milk may continue to be accepted. However, effective July 1, 1980, whenever two of the last four consecutive somatic cell counts exceed 1,500,000 cells per ml, the dairy plant shall notify in writing both the commissioner and the producer that this has occurred and should the next test also exceed 1,500,000 cells per ml, the producer's milk shall be rejected until abnormal milk tests indicate to the commissioner that satisfactory compliance has been obtained. This notice provision shall remain in effect as long as two of the last four consecutive samples exceed 1,500,000 cells per ml. The next milk sample shall be taken no less than three days and no more than 14 days from the taking of the previous sample. Until July 1, 1980, this provision shall be used as an educational instrument.

H. Records.

1. A record of all tests shall be retained by the person taking the tests for a period of at least one (1) year therafter.

I. Quality testing of milk from new producers.

1. Every purchaser of milk for manufacturing purposes or for resale to another for manufacturing purposes shall demand and receive with the first milk delivery received from a producer a copy of the record of quality tests of the producer's milk made by a former purchaser during three months immediately preceding such delivery, unless the producer has not delivered such products to any other purchaser during that period. If the previous purchaser, after receiving a written request for such record from the producers or from the new purchaser, refuses or is unable to comply with such request, the new purchaser shall immediately report such failure or refusal to the commissioner.

2. An examination shall be made on the first shipment of milk from all producers shipping milk to a plant for the first time or following an extended period of nonshipment. The milk shall meet all applicable standards for acceptable milk as defined in this rule. Thereafter, the milk shall be tested in accordance with procedures designated for regular producers.

[(3) Other examination procedures. In addition to the tests described above, each producer's milk shall be examined for visible foreign matter, abnormalities and for undesirable odors and flavors.]

Agr 1189 Grading of milk. **Deleted.**

[(a) All milk offered for sale and purchase for manufacturing purposes shall be purchased and paid for on the following grades which shall be determined at least semimonthly.]

[(1) Grade One (1) Milk. Grade One (1) milk shall not decolorize in 5½ hours by the methylene blue reduction test or shall be the same quality by comparable tests. It shall be clean and free from undesirable odors and flavors. The sediment of a can of milk selected at random shall not exceed 2.5 mg. as indicated by Pad No. 3.]

[(2) Grade Two (2) Milk. Grade Two (2) milk shall not decolorize in less than 2½ hours, but is decolorized in less than 5½ hours by the methylene blue reduction test or is the same quality by comparable tests. It shall be clean and may not contain undesirable odors or flavors beyond a moderate degree. The sediment of a can of milk selected at random shall not exceed 2.5 mg. as indicated by Pad No. 3.]

[(3) Undergrade Milk. Undergrade milk is milk which decolorizes in less than 2½ hours by the methylene blue

KEY: New rules and material proposed to be added to an existing rule are printed in **boldface.** Material proposed to be deleted from an existing rule is printed in [single brackets]. Underlining indicates additions to proposed rules, while [[double brackets]] indicate matter stricken from proposed rules. Existing material is printed in standard type face.

reduction test or is of the same quality by comparable tests. The sediment of a can of milk selected at random shall not exceed 2.5 mg. as indicated by Pad No. 3.]

[(b) Undergrade Milk; Additional Tests. Whenever a producer's milk is found to be Undergrade by either the methylene blue reduction test or comparable tests, the test shall be repeated not less than once weekly on subsequent deliveries until the milk is found to be Grade Two (2) or better or is rejected as provided for in Regulation Agr 1190.]

Agr 1190 Rejected milk.

A. Whenever [four consecutive tests required] **a sample of a producer's milk is classified as undergrade** under [Regulation Agr 1189 (b) disclose the milk to be Undergrade, it becomes] **Agr 1188, milk from that producer may be accepted for a period not to exceed four weeks. The producer shall be notified immediately that his milk is classified "undergrade milk".**

B. Additional samples shall be tested and classified at least weekly and the producer shall be notified of these test results. If, at the end of the four week period, the producer's milk does not meet the bacterial standards provided for in Agr 1188, the milk shall be rejected for sale and no milk from such producer's premises shall be offered for sale thereafter for human consumption nor shall it be accepted by a dairy plant, until such sale or acceptance is authorized by the commissioner.

C. The commissioner may authorize such sale or acceptance of milk by a dairy plant only after the producer demonstrates that the conditions causing unsanitary milk have been corrected.

Agr 1191 Illegal milk. [Illegal milk is milk which has visible foreign material, which is abnormal in any respect or which has a sediment test in excess of 2.5 mg. as indicated by Pad No. 3.]

A. [Illegal Milk;] Rejection. Purchases of milk for manufacturing purchasers shall reject all illegal milk immediately. They shall denature it by the addition of a harmless blue coal tar dye approved by the commissioner, shall affix to all cans or containers containing illegal milk a rejection tag provided by the commissioner and shall indicate on the tag the reason for rejection. Under no circumstances shall such tags be removed from the cans or containers by the trucker, handler or any other person while such illegal milk is contained therein. Such illegal milk shall not be sold for human consumption.

B. [Illegal Milk;] Sediment. If [the] **a** random**ly selected** can of milk yields sediment in excess of 2.5 mg., as indicated by Pad No. 3, the remaining cans of that delivery of the producer's milk shall be tested and all cans yielding pads in excess of Pad No. 3 shall be declared illegal and shall be rejected, denatured, tagged and returned to the producer.

C. [Illegal Milk;] Sediment; subsequent deliveries. Thereafter, sediment tests shall be made of all the cans included in each subsequent delivery of said producer's milk until each can of milk in a delivery shows a sediment of 2.5 mg. or less, but such testing shall not be continued for more than [seven (7) such consecutive deliveries] **ten (10) calendar days.** If, [on the seventh such consecutive delivery] **after ten days,** any can of the producer's milk yields sediment in excess of 2.5 mg., as indicated by Pad No. 3, the producer becomes a rejected patron and no milk from such producer's premises shall be offered for sale thereafter for human consumption nor shall it be accepted by a dairy plant, until sale or acceptance is authorized by the commissioner.

Environmental Quality Council

Environmental Permit Coordination

Notice of Hearing

Notice is hereby given that a public hearing ~~in the~~ above entitled matter will be held pursuant to Minn. Stat. § 15.0412 (1974) and Laws of Minnesota, Chapter 303, commencing at 9:00 a.m. in St. Paul in Conference Room A of the Capitol Square Building, 550 Cedar Street on January 20, 1977. The hearing will be continued to such time and place as the Hearing Officer may designate until all representatives of associations or other interested groups or persons have had an opportunity to participate and be heard concerning adoption of the proposed rules captioned above, by submitting either oral or written data, statements or arguments. In addition, written materials may be submitted by mail to the Office of Hearing Examiners, Howard Kaibel, Hearing Examiner, Room 300; 1745 University Avenue, St. Paul, Minnesota 55104, either before the hearing or within 20 calendar days after the close of the hearing.

The proposed Rules, if adopted, would provide an optional procedure to assist a person who, in the course of satisfying the requirements of state government, before undertaking a project which contemplates the use of the state's air, land, or water resources, must obtain more than one permit; assist in identifying all such permits needed for project implementation; provide for a single hearing on appropriate permit applications; provide time frames for agency decision making; provide the reasons for agency decisions in approving or denying permit applications; and

STATE OF MINNESOTA

OFFICE OF HEARING EXAMINERS

DEPARTMENT OF AGRICULTURE

In the Matter of the Proposed Adoption of Rules of the Department of Agriculture Governing Standards, Grades and Price Differentials for Milk and Cream for Manufacturing Purposes---AGR 1188 through AGR 1191	FINDINGS OF FACT, CONCLUSIONS AND RECOMMENDATION File No. AGR-77-005-RH

The above-entitled matter came on for hearing before Robert W. Herr, duly appointed as Hearing Examiner in this matter, on January 18, 1977, at 10:00 o'clock a.m. in Conference Room D of Veteran's Services Building in the City of St. Paul, County of Ramsey, State of Minnesota, pursuant to an Order for Hearing of the Commissioner of Agriculture (hereinafter "the Agency") dated November 23, 1976.

Members of the Agency panel included: Orlowe Oston, a Director of the Division of Dairy Industries, Department of Agriculture; Harold Johnson, Dairy Inspection Supervisor of the Department of Agriculture; and Paul Strandberg, Special Assistant Attorney General.

Witnesses at the hearing included: Edward Slettom, Executive Director of the Minnesota Association of Cooperatives; Wendell Watts, General Manager of Meadow Land Dairy Association; Don Berg, representing Land-O-Lakes Incorporated; Robert Isenberg, representing Gene Paul, Assistant Director of the National Farmers Organization; Hugh Munns, representing Mid-America Dairymen, Incorporated; and F. B. Daniel, representing the Minnesota Farmers Union and the Farmers Union Milk Marketing Cooperative.

Based upon all the testimony and exhibits, the Hearing Examiner makes the following:

FINDINGS OF FACT

1. That the following documents were submitted by the

Agency as exhibits in this matter:

(a) Order for Hearing (Ag. 1)

(b) Notice of Hearing (Ag. 2)

(c) Certificate of Delivery of Secretary of State's List (Ag. 3)

(d) Affidavit of Receipt of Secretary of State's List (Ag. 4)

(e) Affidavit of Mailing (Ag. 5)

(f) Statement of Need and Evidence (Ag. 6)

Each of the above documents was filed with the Office of Hearing Examiners at least 25 days prior to the date of hearing. The rules as proposed by the Agency were filed with the Office of Hearing Examiner on November 29, 1976.

2. That the record was left open for 20 days following the hearing for receipt of written comments or materials concerning the proposed adoption of rules in this matter.

3. No one appeared in opposition to the proposed rules and all witnesses appearing at the hearing in this matter supported the proposed rules in their entirety with one exception noted below in paragraph 17 hereof.

4. The proposed rules would revise rules AGR 1188 through AGR 1191 regarding standards for milk for manufacturing purposes as to quality tests, sediment tests and screening tests for abnormal milk. Adoption of the proposed changes would provide uniformity with United States Department of Agriculture (U.S.D.A.) recommended standards for manufactured milk. The proposed rules are based upon the results of several meetings between the Agency and dairy industry representatives over the past two and one-half years.

5. The proposed rules will accomplish the following results:

(a) make Minnesota testing and grading standards from manufactured milk uniform with U.S.D.A recommended standards;

(b) assist Minnesota dairy plants to conform with requirements for "approval" status under the U.S.D.A. grading and inspection program;

(c) provide greater uniformity among Minnesota dairy plants as to testing and grading methods; and

(d) provide greater uniformity for plants and producers who are located near state borders if adjoining states have comparable standards.

AGR 1188, Grading Procedure for Milk

6. AGR 1188 B. requires two new tests, the Antibiotics and Bacterial Growth Inhibitors Test and the Abnormal Milk Test. The presence of antibiotics and bacterial growth inhibitors can be a great hazard because many people are hypersensitive to the presence of such antibiotics. Both the U.S.D.A. and the Federal Food and Drug Administration allow no tolerance for antibiotics in manufactured milk products. At the present time nearly every milk processing plant in the state has a program for the detection of antibiotics or growth inhibitors in milk. The Abnormal Milk Test is used to check for the presence of Somatic Cells. Somatic Cells at certain levels indicate potentially unwholesome milk.

7. AGR 1188 C.1. establishes the permissible means for testing for the bacteria content of milk. The bacteria count is used as a primary factor in grading and as a factor in pricing since the presence of bacteria makes a difference in the flavor of milk and can cause protein breakdown within milk. In the past AGR 1188 C. provided that bacteria testing should be done by the Methylene Blue Reduction Test or other comparable tests. "Other comparable tests" have, in practice included the Direct Microscopic Count Test and the other actual count methods now explicitly set forth in proposed AGR 1188 C. The Resazurin Reduction Test has been recommended by the U.S.D.A. to replace the

Methylene Blue Reduction Test. The U.S.D.A. has concluded that the Methylene Blue Test is less reliable than the Resazurin Reduction Test under some circumstances.

8. AGR 1188 C.2. establishes bacterial standards for Grades 1, 2 and Undergrade milk. The permissible bacteria count for Grade 1 has been increased to 500,000 per milliliter from 200,000 per milliliter, and the reduction time has been decreased to 2¼ hours for can milk and increased to 3¼ hours for bulk milk. The revised figures primarily constitute an adjustment to improved knowledge in conformance with the U.S.D.A. standards. The standards established by the proposed rules for Grade 2 and Undergrade milk also reflect the increased knowledge now available. The permissible bacteria count for Grade 2 is raised from 2,000,000 to 3,000,000 and the reduction time is raised from the equivalent of 1¼ hours to 1½ hours for can milk and 2½ hours for bulk. A differential is established in the reduction test for each grade of milk between milk sold in cans and that sold in bulk. This different treatment is proposed since bulk milk is, as a rule, picked up every 48 hours after having been stored in a cooler at less than 40 degrees. Can milk, on the other hand, is generally picked up every day and is not stored at such low temperatures. Because of this difference in storage, bacteria in bulk milk do not respond as quickly to the reduction test, and additional reduction time is required in order to reflect an accurate bacteria count.

9. AGR 1188 D. sets forth various methods for testing the sediment content of milk. The new "off the bottom" method is basically the same as under the old rule. The proposed rule, however, sets forth the required size of the disc to be used in conducting the test whereas the current rule leaves the disc size undesignated. The proposed rule makes no change in the accepted method for making the mixed sample test. This test, however, was left unexplained in the existing rules and is now explicity set

forth in the proposed rule. The proposed rule allows "other comparable methods" of testing that are approved by the Commissioner of Agriculture to be used for sediment testing.

10. The proposed rule provides that sediment tests of a producer's milk deliveries shall be made no less frequently than once a month. The once-a-month frequency is a departure from the present standard which requires the test to be made no less than twice during the month. This change in frequency has been made following discussion between the Agency and the U.S.D.A. The sediment test standards have been changed in compliance with U.S.D.A. recommendations.

11. A "probational milk" status is also created by proposed rule 1188 D. At the present time milk that yields a sediment not to exceed 2½ milligrams may be accepted for an indefinite period of time. Under the proposed standards, milk with a sediment pad in excess of 1½ milligrams and not in excess of 2½ milligrams would be probational and could be accepted for a period not to exceed 10 days after which time the producers milk would be rejected. The standard for illegal milk, milk in excess of 2.50 milligrams sediment has not changed. The probational status has been created to allow a producer an opportunity to clean up his operation before his milk will be rejected.

12. Proposed rule 1188 D. defines additional categories of illegal milk, and refers to AGR 1191 which states the method in which illegal milk must be treated. This proposed section adopts language previously contained in AGR 1191. The standards established by the proposed rule are designed to achieve uniformity with the U.S.D.A. requirements.

13. AGR 1188 E. combines provisions set forth in the existing AGR 1188 b.3. and AGR 1191 and makes no substantive change.

14. AGR 1188 F. sets forth a requirement that milk be tested periodically to detect the presence of antibiotics or

or bacterial growth inhibitors. Such tests were not required under the current rules since the awareness of the hazards from the antibiotics in milk has developed only recently, and both the U.S.D.A. and the Federal Food and Drug Administration now allow no tolerance for antibiotics in manufactured products. The inspection rate of four times during each six-month period is designed to provide a reasonable chance to randomly monitor each producer's milk in order to prevent improper use of antibiotics.

15. AGR 1188 G. sets forth a new test, the abnormal milk test, to check for the presence of somatic cells. Three well known tests are permitted as screening aids. When a milk sample exceeds any one of the screening test results indicated in the proposed rule, more direct cell-count measures must be used to confirm the results in order to be sure that infection is present. The 1,5000,000 count standard for rejection of milk will become effective July 1, 1980. This date was set by the U.S.D.A. in order to give the industry time to clean up and time to become accustomed to a new method of grading in order that undue hardship will not be suffered by producers.

16. AGR 1188 H. provides that all test records must be retained for at least one year after tests are made. This requirement is identical to that set forth in the existing rules.

17. AGR 1188 I. codifies the current practice and policy of purchasers of milk receiving a copy of a producer's quality test records from any former purchaser during the previous three months upon the first delivery of milk to the purchaser from a new producer. In addition, the rule requires that examination be made on the first shipment of milk from all producers shipping milk to the plant for the first time or following an extended period of non-shipment. Applicable standards for acceptable milk must be met in such cases. The requirement that purchaser from a new producer receive a quality record is required by statute. One witness

voiced opposition to the requirement that a purchaser from a new producer require a quality record from a former purchaser. It was noted, however, by the Agency that this is a statutory requirement. The requirement that an examination be made of the first shipment of all producers shipping milk to a plant for the first time is consistent with U.S.D.A. requirements. This provision is a means of insuring that unwholesome milk from a new producer is not accepted by someone who is unfamiliar with that producer.

18. AGR 1190 establishes the procedure as to the handling of milk that is classified as "Undergrade" pursuant to proposed AGR 1188 C. The changes in language are designed to clarify when samples are to be taken of milk in order to determine whether the producer can bring his milk into compliance with the bacterial standards of AGR 1188. In addition, a requirement is added that once a producer's milk has been rejected from sale, the producer's milk can be accepted only after a producer demonstrates to the Commissioner that the conditions causing unsanitary milk have been corrected.

19. AGR 1191 sets forth the procedures for the disposition of illegal milk. The procedures are esentially the same as under the existing rule. However, the proposed rule provides that once a purchaser has determined that a producer's milk is "illegal", the purchaser must test all cans of the producer's milk received within 10 calendar days after initial discovery of illegal milk. The existing rule provides that such testing shall not be continued for more than seven consecutive deliveries. This change brings the rule into conformance with U.S.D.A. guidelines.

20. Subsequent to the hearing in this matter Harold Johnson acting on behalf of the Agency submitted a letter to the Hearing Examiner dated February 3, 1977, and received by the Hearing Examiner on February 4, 1977, indicating the need for a change in preposed rule AGR 1191. He indicated in his letter that

there is apparent confusion caused by the description of the sediment pads referred to in AGR 1199 B and C as "Pad No. 3". The deletion of the words "as indicated by Pad No. 3" would eliminate this confusion in his view, and would not detract from the clarity or intent of the rule as proposed.

21. The change in proposed rule AGR 1191 indicated in Finding No. 20 is not a substantial change.

22. The need and reasonableness of each proposed rule was supported by each of the witnesses testifying in this matter with the exception of the one adverse comment relating to AGR 1188 I. as noted above.

Based upon the foregoing Findings of Fact, the Hearing Examiner makes the following:

CONCLUSIONS

1. That the Agency gave proper notice of the promulgation of the proposed rules.

2. That the Agency has statutory authority to promulgate the proposed rules pursuant to Minnesota Statutes § 32.401, Subdivision 1, (1974).

3. That the Agency has fulfilled all relevent, substantive and procedural requirements of law and rule.

4. That the Agency has demonstrated the need for and the reasonableness of the proposed rules and the suggested amendment to proposed rule AGR 1191 with an affirmative presentation of facts.

Based upon the foregoing Findings of Fact and Conclusions, the Hearing Examiner makes the following:

RECOMMENDATION

It is recommended that the proposed rules and the amendment to proposed rule AGR 1191 be adopted.

Dated February 10, 1977

ROBERT W. HERR
Hearing Examiner

PLEASE TAKE NOTICE that pursuant to Minnesota Statutes § 15.0412, Subdivision 4, and Minnesota Statutes § 15.052, Subdivision 4 (Supp. 1975), the Department of Agriculture shall make this Report available to all affected individuals upon request for at least ten (10) days before the Department takes any final action on the proposed rules.

The Department shall, if it decides to adopt the rules as originally proposed or amended, submit the complete hearing record to the Chief Hearing Examiner no earlier than ten (10) days subsequent to the receipt of this Report. The Department must submit the rules as originally proposed and the rules as proposed for adoption in final form.

The submission to the Chief Hearing Examiner shall precede review by the Attorney General. The Chief Hearing Examiner shall complete his review and submit his Report to the Department on the issue of substantial changes in the rules within ten (10) calendar days. The Department is then responsible for filing the rules with the Attorney General.

STATE OF MINNESOTA)
(ss.
COUNTY OF RAMSEY)

AGR-77-005-RH

AFFIDAVIT OF SERVICE

SUSAN WOJCIK, being first duly sworn, deposes and says that on the 15th day of February 1977, at the City of St. Paul, County of Ramsey, State of Minnesota, she served the attached Report of Hearing Examiner, agency file, and original and one copy of the transcript of proceedings unstamped, by placing in the designated tray to be collected by messenger for delivery to the central mailing station as required by Minn. Stat., § 16.54 (1974), a true and correct copy thereof on all persons at the addresses shown on the attached mailing list.

Susan Wojcik

Subscribed and sworn to before me
this 15th day of February, 1977.

Sandra A. Haven

SANDRA A. HAVEN
NOTARY PUBLIC-MINNESOTA
RAMSEY COUNTY
My Comm. Expires July 29, 1983

Mr. Paul Strandberg
Special Assistant
Attorney General
Department of Agriculture
420 State Office Building
Saint Paul, Minnesota 55155

AGR-77-005-RH

STATE OF MINNESOTA
OFFICE OF HEARING EXAMINERS

FOR THE DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING STANDARDS, GRADES AND PRICE DIFFERENTIALS FOR MILK AND CREAM FOR MANUFACTURING PURPOSES---AGR 1188 THROUGH AGR 1191.

REPORT OF THE CHIEF HEARING EXAMINER

WHEREAS, a hearing was held on January 18, 1977, before Robert W. Herr, a Hearing Examiner of the State Office of Hearing Examiners, on the above-entitled matter in compliance with Minn. Stat. §15.0412, Subd. 4; and

WHEREAS, the Findings of Fact, Conclusions and Recommendation made pursuant to Minn. Stat. §15.052, Subd. 3, were issued to the Department of Agriculture on February 10, 1977; and

WHEREAS, the Department of Agriculture has now determined to adopt rules pursuant to Minn. Stat. §15.0412, Subd. 4; and

WHEREAS, the Department of Agriculture has submitted said rules to the Chief Hearing Examiner for review pursuant to Minn. Stat. §15.052, Subd. 4, and Rule HE 107; and

WHEREAS, the Chief Hearing Examiner finds that the final proposed rules are not substantially different from those proposed at the public hearing and that the Department of Agriculture has met all requirements of Minn. Stat. §15.0412, Subd. 4.

NOW, THEREFORE, upon receipt of this Report, the Department of Agriculture has the responsibility of submitting the complete hearing record and the rules as adopted by the Department to the Attorney General and to publish in the State Register, all pursuant to Minn. Stat. §15.0412, Subd. 4.

Dated this 21ST day
of March, 1977.

Duane R. Harves

DUANE R. HARVES
Chief Hearing Examiner

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION)
OF RULES OF THE DEPARTMENT OF AGRICULTURE) ORDER ADOPTING REPORT
GOVERNING STANDARDS, GRADES AND PRICE) OF HEARING EXAMINER
DIFFERENTIALS FOR MILK AND CREAM FOR)
MANUFACTURING PURPOSES---AGR 1188 THROUGH)
AGR 1191)

The above-entitled matter came on for hearing before Hearing Examiner Robert W. Herr of the Minnesota Office of Hearing Examiners in Conference Room D of the Veteran's Service Building, 20 W. 12 Street and Columbus Avenue, St. Paul, Minnesota on January 18, 1977, at 10:00 a.m.

The Report of Hearing Examiner in the above-entitled matter was issued by Robert W. Herr on February 19, 1977, recommending that the proposed rules be promulgated, approved, and adopted as proposed by the Minnesota Department of Agriculture except for a change in proposed rules AGR 1191 as recommended by the Department and indicated in Finding No. 20. Having reviewed these Findings of Fact and having concurred with the recommendation of the Hearing Examiner with the exception of the third sentence of Finding No. 19, which is hereby substituted by "however, the proposed rule provides that testing of milk deliveries which contain illegal amounts of sediment will be continued for no more than ten calendar days after which time the producer is declared a reject patron," and Finding No. 20 wherein, "ARG 1199 B and C" is hereby substituted by "AGR 1191 B and C."

NOW, THEREFORE, IT IS ORDERED: That the aforementioned Report of Hearing Examiner and the change contained therein, are adopted this 4th Day of March, 1977.

MINNESOTA DEPARTMENT OF AGRICULTURE

Jon Wefald

Jon Wefald, Commissioner

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING STANDARDS, GRADES AND PRICE DIFFERENTIALS FOR MILK AND CREAM FOR MANUFACTURING PURPOSES---AGR 1188 THROUGH AGR 1191	ORDER ADOPTING RULES

The above-entitled matter came on for hearing before Robert W. Herr, Office of Hearing Examiners of the State of Minnesota on the 18th day of January, 1977, at 10:00 a.m. in Conference Room D of the Veteran's Service Building in the City of St. Paul, Minnesota after proper notice required by M.S. 1974, Section 15.0412 was served upon all persons, associations, and other interested groups registered with the Secretary of State for that purpose.

After affording interested persons an opportunity to present written and oral data, statements and arguments, having heard all of the testimony, having considered all of the evidence adduced and upon the records, files and proceedings herein, and applicable statutory standards or criteria, and having confirmed the need for the above captioned rules and the reasonableness thereof,

NOW, THEREFORE, IT IS ORDERED that these amendments to rules identified as AGR 1188, AGR 1190, and AGR 1191, and the deletion of AGR 1189 are adopted this 4th day of March, 1977, pursuant to authority vested in me by Minn. Stat. 1974, Sec. 15.0412 and Sec. 32.401, Subd. 1.

STATE OF MINNESOTA

Jon Wefald

Jon Wefald

Commissioner of Agriculture

BEFORE THE OFFICE OF HEARING EXAMINERS

OF THE STATE OF MINNESOTA

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING STANDARDS, GRADES AND PRICE DIFFERENTIALS FOR MILK AND CREAM FOR MANUFACTURING PURPOSES -- AGR 1188 THROUGH AGR 1191.	HE. DOCKET NO. AGR-77-005-RH

Conference Room D
Veteran's Service Building
St. Paul, Minnesota
Tuseday, January 18, 1977

MET pursuant to notice at 10:00 a.m.

BEFORE:

ROBERT HERR, Hearing Examiner

APPEARANCES:

PAUL STRANDBERG: Special Assistant Attorney General, Department of Agriculture.

ORLOWE OSTEN: Director, Dairy Division, Department of Agriculture.

HAROLD JOHNSON: Supervisor, Manufactured Milk Section, Department of Agriculture.

I N D E X

AGENCY PANEL:

Paul Strandberg, Special Assistant Attorney General

Orlowe Osten, Director, Dairy Division

Harold Johnson, Supervisor, Manufactured Milk Section

PUBLIC SPEAKERS:

Edward Slettom....Minnesota Association of Cooperatives

Wendell Watts ....Meadow Land Dairy Association

Don Berg.....Land o Lakes Incorporated

Robert Isenberg...AMPI

Gene Paul.....National Farmers Organization

Hugh Munns.....Mid America Dairymen, Incorporated

F. B. Daniel.....Minnesota Farmers Union & Farmers Union Milk Marketing Cooperatives

STATE'S EXHIBITS:	MARKED	RECEIVED
AGR 1 through 6	--	8

P R O C E E D I N G S

EXAM. HERR: It's after 10 o'clock now and I'd like to begin the hearing. My name is Robert Herr, I'm a Hearing Examiner employed by the Minnesota State Office of Hearing Examiners. I'm not an employee of the agency proposing to adopt the rules in this matter. After the hearing I will prepare Findings of Fact, Conclusions and Recommendations which will be submitted to the agency. The agency will then make its decision as to whether to adopt, modify or reject the proposed rules. Before making that decision they must wait at least 10 days during which time the Findings of Fact, Conclusions and Recommendations which I will submit will be available to all persons. The agenda for this hearing will be as follows; The hearing will be convened as it has been with my brief introductory remark, the agency panel will be introduced by Mr. Strandberg, I will explain the procedure to be followed at this hearing which I'll commence to do shortly, the agency will make a presentation, after all persons who wish to make a presentation on behalf of the agency have completed their desired presentation, questions and statements from interested persons will be received and then the hearing will be closed by myself. Everyone attending the hearing is required to sign the register which is at the end of the table indicating name, address and

the interest or group the person represents. If you wish to be notified when the Hearing Examiner's Findings and Recommendations are submitted to the agency please indicate on the register. The purpose of this hearing is to consider whether the proposed rules should be adopted and given the force of law. The agency must, one; document a specific statutory authority to take the proposed action, two; show that it has fulfilled all relevant substantive and procedural requirements of law or rule, three; demonstrate the need and resonableness for its proposed rule with an affirmative presentation of facts. All persons wishing to express their views will have an opportunity to do so as I indicated earlier. When you have an opportunity to testify please step to the area designated for statements which is the table just in front of the tape recorder, spell your name for the benefit of the person who has to transcribe the tape, identify your interest or group and speak clearly. Any technical terms should be spelled out and that's for both the agency and the witnesses. I probably won't know the spelling and the person typing the transcript most likely won't either. All witnesses testifying this morning subject themselves to questioning by a representative of the agency, the Hearing Officer and others present. If a written statement or other matter has been reduce to writing and it's desired to have that statement received into evidence present it

to me and I will mark it for identification as an Exhibit, and you can offer it at that time. Written statements should be put forward at the time the individual offers an oral statement. The right of the agency or others to examine the individual presenting the written statement extends to the content of the written statement. This hearing will be recorded by tape as you can see, subsequently a transcript of the proceeding will be available, if you wish to have a copy of the transcript notify me and I'll make a record of that and we'll notify you when the transcript is available and advise you of what the charge is. In order to have a proper record made only one person should speak at one time and that should be from the table in front of the recorder. All answers should be verbalized, no nodding of the head, I might catch that but it would be lost on the machine and technical names and terms should be spelled out. Anyone who desires to submit a written brief or other written comments bearing on the proposed rules may do so for a period of 20 days after the close of this hearing. Such materials should be addressed to me, Robert Herr, at the Office of Hearing Examiners, Room 300, 1745 University Ave., St. Paul, Minnesota zip code 55104. The material must be received within the 20 day period to be considered. Finally you are advised that under Minn. Stat. Section 10(a).01 Subd. 11, any individual representing persons or associations attempting to influence

administrative action such as the promulgation of these rules must register with the State Ethics Commission as a lobbyist within five days of the commencement of such activity by the individual. You'll find sheets at the end of the table spelling out the registration requirements pertaining to the lobbying activity I've just mentioned. At this time I'd like to ask Mr. Strandberg who as I understand it is the Special Assistant Attorney General for the Department of Agriculture to introduct the agency panel for this matter.

MR. STRANDBERG: My name again is Paul Strandberg I'm the Special Assistant Attorney General representing the Department of Agriculture. At the head table seated to Mr. Herr's immediate left is Orlowe Osten, Director of the Division of Dairy Industries in the Department of Agriculture who will be making part of the agency presentation today. On his left is Mr. Harold Johnson, Supervisor within the Dairy Industries Division will be going through the rules and presenting testimony with regard to each of the changes made. Also present but not at the front table is Mr. Leonard Waldock who is seated in the audience, a member of the Dairy Industries Division.

EXAM. HERR: At this time Mr. Strandberg the Hearing Examiner will receive the State's Exhibits as you give them to me. Perhaps you'll just briefly indicate what

they are so that the persons present here know what we are talking about.

MR. STRANDBERG: I'd first like to offer what is marked AGR 1 for purposes of identification Order for Hearing which states that a public hearing on rules to -- on the adoption of rules governing grading procedures for milk for manufacturing purposes. It's signed by Commissioner J n Wefald of the Department of Agriculture and directs that a hearing be held on January 18th. Marked as AGR 2 is a Notice of Hearing governing the same rules stating that a public hearing on the adoption of grading procedures of milk for manufacturing purposes, the hearing would be held in Conference Room D of the Veteran's Service Building on January 18th at 10 a.m., also signed by Jon Wefald, Commissioner of Agriculture. Marked as AGR 3 is the certificate of delivery of the Secretary of State's list, signed by four -- Secretary of State, Joan Growe, by Cecel Dion certifying that 502 labels and five sheets constituted the complete list of persons registered with the Secretary of State for the purpose of receiving notice of public hearing. This was delivered at 10:15 a.m. on December 14th 1976. Marked as AGR 4 is the Affidavit of Receipt of the Secretary of State's list signed by Victoria Fowler an employee of the Department of Agriculture stating that on the 14th of December she obtained that Secretary

of State's list in order to provide notice of this hearing. Marked as AGR 5 is an Exhibit which is captioned Affidavit of Mailing, also in which Victoria A. Fowler, swears that on the 15th of December she served the notice of hearing to all the persons whose addresses she got from the Secretary of State. Marked as AGR 6 is the Statement of Need and Evidence submitted by the Department of Agriculture in the matter of the adoption of rules relating to standards, grades and price differentials for milk and cream for manufacturing purposes, AGR 1188 through 1191. Mr. Hearing Examiner I would like to offer Exhibits AGR 1 through AGR 6 for the purpose of establishing the foundation of this hearing.

EXAM. HERR: These being jurisdictional documents they're required to be files by the statute and the rules of the Office of Hearing Examiner, they are received.

(State's Exhibits AGR 1 through 6 received into evidence.)

EXAM. HERR: I'd like before proceeding further to see if there are any general questions regarding procedure this morning. The next item on the agenda would be presentation by the agency of the factual basis if you will the need for the rules, but, before we do that does anybody either on the -- who proposes to testify or anybody in the audience who is otherwise interested have any questions? I'd like to make sure that everybody understands the procedure and feels comfortable and feels that any of their concerns have been

answered before we get too much further into the hearing here. No, questions. OK. Then we'll proceed with the presentation of the case by the agency as each representative of the agency begins to make his statement I'd appreciate it if you would indicate his job title, spelling of name and mailing address for the record.

MR. OSTEN: My name is Orlowe Osten, that's spelled O R L O W E -- O S T E N. I'm Director of the Dairy Division of the Minnesota Department of Agriculture. My mailing address would be 530 State Office Building, Minnesota Department of Agriculture, St. Paul, Minnesota 55155. I would just briefly like to make a few opening remarks with respect to the need and the background of the proposed changes that are being considered today which involve the proposed changes to existing rules of the Department for grading procedures for manufacturing milk. The proposed rules if adopted would revise rules AGR 1188 through AGR 1191 regarding standards for milk for manufacturing purposes as to quality tests, sediment tests and screening tests for abnormal milk. Adoption of the proposed changes would provide uniformity with U.S. D.A. recommended standards for manufacturing milk. It should be noted that the last time the present rules, that is AGR 1188 through 1191 or the regulations as they're called, were amended was in 1959, about 17 years ago. Since that time as you well know many changes

have taken place in milk production methods and milk handling. In addition new and improved testing methods have been developed which more accurately reflect milk quality. The proposed amendments which will be considered today are based on the results of several meetings held with the dairy industry representatives and the Department over the past two and a half years. The proposed changes cover areas of concern and the consensus expressed during those meetings. Specifically the proposed changes will provide the following; One, make Minnesota manufactured milk standards, that is for testing and grading, uniform with USDA recommended standards concerning quality specifications for raw milk. Two, will assist Minnesota dairy plants to conform with requirements for "approval" status under the USDA grading and inspection program. Three, will provide greater uniformity among Minnesota dairy plants as to testing and grading methods. Four, will provide greater uniformity for plants and producers who are located near state borders if adjoining states have comparable standards. And this would help discourage some of the so called shopping around for a market where plants, different plants are using different testing and grading methods for manufactured milk. Five, should provide the producer with more accurate appraisal methods and more valid results of his milk quality regardless of where he sells his milk, or to what plant he may be selling his milk. And Six,

it should assist in providing the consumer with higher quality dairy products in that the testing methods would be more precise, that some of the tests with respect to periodic testing for let's say, antibiotics or abnormal milk tests would be included, which as you know directly affects the quality of the milk and would affect the ultimate quality of the final product. And with that I would turn the rest of the presentation by our agency over over to Mr. Harold Johnson for a review of the specific proposals in the changes, in the regulations.

MR. JOHNSON: My name is Harold Johnson, H A R O L D, J O H N S O N. I'm a dairy supervisor of the manufactured milk section. I would like to proceed through the proposed changes and as we go through them item by item I would like to point out the items that are new and the changes or the departure from the existing regulations. I will start with the grading procedures. Is all milk offered for sake and purchased for manufacturing purposes shall be purchased and paid for on the grades that are offered herein. Grading procedures; all of the following tests shall be used in determining the grades of milk for manufacturing purposes at the frequencies established by these rules. No. 1, the bacterial content estimate test, No. 2, the sediment test, No. 3, abnormalities detectable by sight and odor test, No. 4, antibiotics and bacterial growth inhibitor test, and

No. 5, an abnormal milk test. I would like to point out that No. 4 and No. 5 are new tests that would be required. At the present time nearly every dairy plant has a program for the detection of antibiotics or growth inhibitors in milk. The abnormal milk test would be new and we'll go into the detail of that a little further in the presentation. The bacterial content estimate test, either the Resazurin reduction tests, the direct microscopic count test, the standard plate count test or the plate loop count test described in standard methods for the examination of dairy products published by the American Public Health Association and on file in the office of the Commissioner or other comparable tests approved by the Commsssioner shall be used The test shall be made at least once during each calendar month. Now in this item there are two changes, the first change is the elimination of the methylene blue test as an acceptable test and the change of the required frequency from twice of month to a minimum of once a month. The following grade classification by bacterial content estimate the grade classification for grade 1 on the direct microscopic count, the standard plate count or the plate loop count would be not over 500,000 per milliliter. The existing standards state that the count shall not be over 200,000 per milliliter. The Resazurin reduction time would be two and one quarter hours for milk in cans and three and one

quarter hours for milk in bulk. At the present time the standard is two and three quarter hours for milk in both can and bulk. Grade 2 milk on the direct microscopic count the standard plate count or the plate loop count would not contain over 3,000,000 bacteria per milliliter. The present standard states that it shall not contain over 2,000,000 per milliliter. The Resazurin time would be not less than one and one half hours for can milk and not less than two and one half hours for bulk milk. This is a departure from the present standards of I believe it's one and one half hours Resazurin. On undergrade milk the bacteria count on the direct microscopic count, the standard plate count, or the plate loop count would not exceed 3,000,000 per milliliter. The present standard states that it shall not exceed 2,000,000 per milliliter. On the Resazurin reduction tests it would be less than one and one half hours for can milk and less than two and one half hours for bulk milk. The difference here is the total bacteria count that are allowed on grade 1 milk, and grade 2 milk and undergrade milk by your direct microscopic count and a slight change in the Resazurin reduction time where the reduction test is used. Sediment tests, the methods.

MR. STRANDBERG: Mr. Johnson, I'd like to perhaps ask a couple questions to clear for the Hearing Examiner why the changes are made. Has the U.S. Department of Agriculture

eliminated the methylene blue test in its proposes standards?

MR. JOHNSON: After extensive work and extensive research in different climatic conditions and different locations of the country it was determined that over a wide range of conditions the methylene blue test was the less reliable and had the most variations of any of the of the tests used in determining the milk quality.

MR. STRANDBERG: How does the Resazurin test compare with the methylene blue test?

MR. JOHNSON: Both the Resazurin test and the methylene blue tests are oxygen reduction tests, they're preformed very much in the same manner. The time required to run the Resazurin test is one half of the time required to run the methylene blue test. The Resazurin test over a wide range of conditions has proved to be a little more reliable and a little more consistent with the results obtained by the direct microscopic count method, the standard plate count method or the plate loop count method.

MR. STRANDBERG: So you're saying that the Resazurin test is a more accurate reflection of the actual bacteria count and that in the proposed rules tha direct microscopic count methods or the various count methods are comparable to the Resazurin proposed ones?

MR. JOHONSON: That is true. While we're covering the subject and I know this question will probably come up

The limits on bacterial content for grade 1 milk and grade 2 milk, on the direct microscopic count, the standard plate count, and plate loop count were raised from 200,000 to 500,000 and from 2,000,000 to 3,000,000 due to the fact that the research work on milk as we find it today with the different bacterial flaw and a better quality of milk was more consistent with the reduction times than the original counts of 200,000 and 2,000,000 that have been in use over a period of years. We found better -- we find better correlation between the Resazurin reduction time and the 500,000 and 3,000,000 figures than we did with the 2,000,000 -- the 200,000 and 2,000,000 figures.

MR. STRANDBERG: Why is there a differential between can milk and bulk milk?

MR. JOHNSON: Bulk milk is held at lower tempratures for a longer period of time before it -- before the sample is taken for a test. Bulk milk traditionally is held for 48 hours at tempratures of 40 degrees or less, as compared to can milk which is delivered daily and often time with the morning milk not cool at all so the bacteria that are held for longer periods of time at a lower temprature become less active and less responsive to the reduction test and the type of bacteria that grow at the colder tempratures are also less responsive to the reduction test than the bacteria that are found in can milk at lower tempratures a

and a shorter holding time prior to drawing the test sample. to continue on with sediment testing. The following shall be acceptable sediment test mothods for the purpose of determining the grades of milk for manufacturing purposes. Off the bottom method. The off the bottom sediment test describedin standard methods for the examination of dairy products shall be used for sediment testing milk delivered in cans. The sample of milk from which the sediment test is made shall consist of a pint of milk taken by drawing the sediment tester once across the bottom diameter of the original container of milk simultaneous with the upstroke of the plunger and discharging through a disc with an exposed area of one and one eighth inches in diameter. The mix sample method which is not describe in our present regulations shall be the mixed sample sediment test of milk from bulk tanks shall be made by drawing one pint of milk from a thoroughly agitated tank of milk and filtering the milk through a Lintine disc with an exposed area of 40/100 inch in diameter. Other methods. Other comparable methods of equal or greater reliability approved by the Commissioner may be used for sediment testing of milk delivered in cans or handled in bulk farm tanks. The sediment tests shall be made no less frequently than once each month of a producers milk deliveries and shall be classified according to the following standards. The once a month frequency is a departure

from our present standards which state that the test must be made no less than twice during each month. The sediment test standards are altered somewhat. The old standard stated that pad No. 1 contained zero milligrams of sediment or completely clean pad, the new standard says that a No. 1 pad will contain sediment not to exceed 50/100 milligrams, pad No. 2 which presently allow 5/10 milligrams of sediment now shall not exceed 1 5/10 milligrams of sediment. Pad No. 3 remains unchanged at 2 5/10 milligrams of sediment and pad No. 4 excess of 2 1/2 milligrams of sediment is illegal and the milk is to be rejected. I would like to comment that pad No. 3 not to exceed 2 1/2 milligrams of sediment becomes a probational sediment test. At the present time milk that yields a sediment not to exceed 2 1/2 milligrams may be accepted for an indefinite period of time. Under the proposed standards milk with a sediment pad in excess of 1 1/2 milligrams and not in excess of 2 1/2 milligrams would be probational and could be accepted for a period not to exceed ten days after which time the producers milk would become reject. This would be covered a little better along in the proposed rules. Acceptable milk shall be milk yielding a sediment pad not to exceed pad No. 2 or 1 1/2 milligrams of sediment. Probational milk shall be milk yielding a sediment pad No. 3 in excess of 1 1/2 milligrams of sediment but not to exce d 2 1/2 milligrams of sediment

for a period not to exceed 10 calendar days. After such period such probational milk shall be classified as illegal milk.

MR. STRANDBERG: Mr. Johnson, I'd again like to ask a couple questions to clarify some points. Is there any actual change in the off the bottom method or is it just putting into the rules what the size of the disc that has always been used? Is that an accurate statement?

MR. JOHNSON: That is correct. There is no change in the method for making the off the bottom test, there is no change in the accepted method for making the mixed sample test. The procedure for making the mixed sample test was not defined in our present regulations.

MR. STRANDBERG: And as far as the sediment chart the only real change in the handling or disposal of milk is the creation of the probational status, is that correct?

MR. JOHNSON: That together with a slight change in the allowable sediments in the various pads. Pad No. 1 and pad No. 2 allows a slight different sediment content.

MR. STRANDBERG: But milk will still be rejected in the case when it's got more than 2.50 milligram sediment and in addition milk which is between 1.5 and 2.5 milligrans will only be accepted until the producer is given 10 days to clean up, is that an accurate summary?

MR. JOHNSON: That is correct.

MR. STRANDBERG: Why is there a change in frequency of testing?

MR. JOHNSON: In a discussion with Mr. Joe Rubuss of the U.S. Department of Agriculture on this subject, he stated it was felt that at this point in time the quality of milk was such that more emphasis should be put on the two additional tests which are the test for antibiotics and the test for abnormal milk and less emphasis put in the baterial content of milk.

MR. STRANDBERG: Why is it important that the Minnesota Department of Agriculture's rules conform to the U. S. Department of Agriculture?

MR. JOHNSON: As Mr. Osten stated in his opening remarks to achieve a uniformity with USDA regulations and a uniformity with neighboring states. It establishes a set of ground rules with which we can all proceed to achieve a uniform status between other states and with the USDA. Illegal milk shall be all milk which contains visible foreign materials is abnormal in any respect or yields a sediment in excess of pad No. 3. Such milk will be dealt with in accordance with AGR 1191. Abnormalities detectable by sight and odor tests. Each delivery or pickup of milk shall be examined by sight and odor to determine the acceptability of the milk. The milk shall look and smell fresh and sweet and shall be free from objectionable odors that would adversely

affect the finished products. It shall have no visible abnormal condition including but not limited to curdled, ropy, bloody or mastitic condition or visible foreign matter. There's no change in this item from our present regulations. Antibiotics of bacterial growth inhibitors test. At least four times during each six month period a seperate or co-mingled sample of each producers milk shall be tested for antibiotic residues and or bacterial growth inhibitors. The test to be used shall be approved by the Commissioner. When a producers milk shows a positive test the milk shall be immediately rejected from all markets and shall not be accepted until the subsequent test is negative. Under our present regulations milk is considered to be adulterated if it contains antibiotics or growth inhibitors and it deemed illegal for sale however, the specified test procedure is not been included in our regulations. I would like to emphasize that -- in this particular paragraph it allows a separate or co-mingled sample of each producers milk which means in effect that if a truckload of milk were tested all the producers included in the load would be considered included in that test. Abnormal milk tests. The examination shall be made of each producers milk at least four times in each six month period for the presence of unwholesome mammary secretions or of an inflamatory, infectious, physiological or environmental origin. When a

herd milk sample exceeds any one of the following screening test results a somatic cell count using the direct microscopic count method or the equivalent or the electronic cell count method shall be made on the sample and the results of the confirmatory test shall be the official result. The screening test include the California mastitis tests, the modified Whiteside tests and the Wisconsin mastitis tests. Whenever any one of the above comfirmatory tests indicate the presence of more than 1,500,000 somatic cells per millliliter the dairy plant shall send a notice to the producer informing him of the excessive somatic cell count. The producers milk may continue to be accepted however effective July 1st, 1980 whenever two of the last four consecutive sematic cell counts exceed 1,500,000 sells per millliliter the dairy plant shall notify in writing both the Commissioner and the producer that this has occured and should the next test also exceed 1,500,000 cells per millliliter the producers milk shall be rejected until abnormal test tests indicate to the Commissioner that satisfactory compliance had been obtained. This notice provisions shall be remained in effect in long as two of the last four consecutive samples exceed 1,500,000 cells per millliliter. The next sample -- the next milk sample shall be taken no less than three days and no more that 14 days of the taking of the previous sample. Until July 1st, 1980 this provision shall be used as an educational

products to any other purchaser during that period. If the previous purchaser after receiving a written request for such records from the producer or from the new purchaser refuses or is unable to comply with such requests the new purchaser shall immediately report such failure or refusal to the Commissioner. An examination shall be made on the first shipment of milk from all producers shipping milk to a plant for the first time or following an extended period of nonshipment. The milk shall meet all applicable standards for acceptable milk as defined in this rule, thereafter, the milk shall be tested in accordance with procedures designated for regular producers. I would like to point out that this part of the proposed rules is new. The previous paragraph requiring a quality record from producers have been on the statute since -- this is not in the regulations it is in the dairy laws and has been in the dairy laws for a number of years. But, paragraph two that I just read regarding the examination of milk from the first shipment from a new producer is a new recommendation of the USDA and has not previously been included in our regulations.

MR. STRANDBERG: Mr. Johnson why is this things included?

MR. JOHNSON: The USDA feels that it is essential that we know the quality of milk from a new producer before accepting the first shipment of milk. In order to be consistent

and to provide uniformity with USDA requirements we have included this in the proposed rule changes. The previous paragraph regarding the bringing of the quality record with the first delivery of milk is a law and cannot be changed by a change of regulation. It is also deemed by industry to be a good law and it has been felt by industry committees that it should be retained.

MR. STRANDBERG: Is this also means of ensuring that unwholesome milk from a new producers is not accepted by someone who is unfamiliar with that milk? Would that be a fair statement?

MR. JOHNSON: That would be a part of it.

MR. STRANDBERG: OK, and Mr. Johnson the record-keeping provision in section H has not been changed has it?

MR. JOHNSON: No they haven't. The requirements for records remain the same. AGR 1190, rejected milk. Whenever a sample of a producers milk is classified as undergrade under AGR 1188 milk from that producer may be accepted for a period not to exceed four weeks. The producer shall be notified immediately that his milk is classified undergrade. This is a slight change from our existing regulation which states that a producers milk must be classified as undergrade on four consecutive tests. You will note that this states that it shall be accepted for a period not to exceed four weeks. Additional

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samples shall be tested and classified at least weekly and their producer shall be notified of the test results if at the end of the four week period the producers milk does not the bacterial standards provided for in AGR 1188 the milk shall be rejected for sale and no milk from such producers premises shall be offered for sale --

EXAM. HERR: I forgot we have to stop, we've run out of the tape, I'll just put a new tape in. We're back on the tape. I'll ask Mr. Johnson if he'd be kind enough to perhaps go back a couple sentences and begin his comment on this subject of undergrade milk, AGR 1190 I believe you were on.

MR. JOHNSON: AGR 1190 rejected milk. Whenever a sample of a producers milk is classified as undergrade under AGR 1188 milk from that producer may be accepted for a period not to exceed four weeks. The producer shall be notified immediately that his milk is classified undergrade milk. Additional samples shall be tested and classified at least weekly and the producer shall be notified of the test results. If at the end of the four week period the producers milk does not meet the bacterial standard provided for in AGR 1188 the milk shall be rejected for sale and no milk from said producers premises shall be offered for sale thereafter, for human consumption nor shall it be accepted by a dairy plant until said sale or acceptance is

authorized by the Commissioner. The Commissioner may authorize said sale or acceptance of milk by a dairy plant only after the producer demonstrates that the conditions causing the unsanitary milk have been corrected. I believe that the remainder of the rules as we have them are unchanged from our present standards and there's probably no need to go through them in any more detail.

MR. STRANDBERG: Mr. Johnson, I have one question on AGR 1190 regarding rejected milk. What actual change results from saying four consecutive tests and changing it to four weeks. What was the practice as far as frequency of testing was that uniform between plants? What difference is it to say, instead of four consecutive test to say four weeks?

MR. JOHNSON: Under our present regulations when milk was undergrade on four -- three consecutive counts a fourth test was required to be made within 14 days. Now, there was not restriction on the frequency of testing. Theoretically a producer could have been a reject patron an four days, four tests could have been made on four consecutive days.

MR.STRANDBERG: Then four test could also have been in four consecutive months is that, or Is this trying to standardize a period of time rather than just going by number of tests?

MR. JOHNSON: It spells it out a little bit clearer. I think it does standardize the time element a little better.

EXAM. HERR: Mr. Johnson I have a question in regard to undergrade milk. It's referred to at AGR 1188 and there's an apparent change in the standard regarding the two test that are referred to in AGR 1188 and I was following along in the Statement of Need and it seemed to indicate that the nature of the change and the basis would apppea at AGR 1190 if it has, I've missed it. Perhaps you could comment on the nature of the change if any, effected by AGR 1188 as it regards undergrade milk and the reason for the change? Have you followed the question?

MR. JOHNSON: No, not quite, I'm afraid I don't quite follow the question.

EXAM. HERR: Do you understand what the question is Mr. Strandberg?

MR. SRRANDBERG: I believe Mr. Hearing Examiner I believe the Hearing Examiner is inquiring why the standards for undergrade milk have changed, is that?

EXAM. HERR: That's right, the Statement of Need indicated we'd hear more of that at AGR 1190 but like I say perhaps it has escaped me. You did make a presentation as to the reason for changing grade 1 and grade 2 but I don't believe there was a presentation regarding the need for a change if any regarding undergrade milk.

MR. JOHNSON: The maximum bacteria what would be allowed in grade 2 milk was changed from 2 million to 3 million and of course anything in excess of 3 million would become undergrade milk. And to change the upper limit for grade 2 would necessarily also change the bacterial standard for undergrade.

EXAM. HERR: OK, then a determination that milk is undergrade is hand in hand with the determination that milk is not grade 2, if it's not grade 2 it's undergrade then? I mean if it's not grade 2 or grade 1 it's undergrade, is that what you're saying?

MR. JOHNSON: When the bacterial content of milk exceeds the standards for grade 2 it becomes undergrade.

EXAM. HERR: OK, that's essentially what I was looking for. Thank you. Is there any other or further presentation by the agency regarding the rule before us? No further presentation by the agency, then --

MR. STRANDBERG: Excuse me Mr. Hearing Examiner. AGR 1191 is primarily -- there are a few small changes in there but they are primarily intended to clarify the language however, in 1191 (c) there is a change testing for sediment tests of changing from seven delivers to 10 calander days. Perhaps Mr. Johnson could explain that more clearly than I.

MR. JOHNSON: That's about the only change where

our present regulations state that all the milk in each delivery must be acceptable for seven consecutive deliveries. The proposed changes in the rule would state that all the milk and the producers deliveries shall be acceptable for 10 calander days.

MR. STRANDBERG: And why is this change made?

MR. JOHNSON: I really can't answer that Mr. Strandberg it's just a standard that was arrived on by the U.S. Department of Agriculture.

MR. STRANDBERG: In addition would it be fair to say that by saying 10 calander days rather than seven deliveries, again, for variable rates of deliveries it's standardizing the time by making it the same for all producers no matter when their milk pickups are?

MR. JOHNSON: It would standardize the time element on the assumption that the frequency of delivery could vary from one producer to another.

EXAM. HERR: I'm going to stop the tape at this time to take a look at the register.

(Off the record.)

EXAM. HERR: Let the record show that the hearing in this matter was adjourned for the period of about 15 minutes for a coffee break. We're back on the record following the recess in this matter, The point at -- on the agenda at which we are at is the question and statement

that you may wish to have answered I would like to defer them to these representatives who have the technical background to answer them. First I wish to state that these proposed rules have been carefully considered by the Minnesota Association of Cooperatives dairy executive committee. And I have been instructed to indicate the full support of this committee for the adoption of the proposed rules. The committee supports these proposed changes for the following reasons: It is important that we have a uniform system of purchasing standards for milk between the various states this eliminates the border problems that often arise when one state uses a higher or lower standard than the adjacent state. The committee feels that the adoption of the recommended requirements as setforth by the United States Department of Agriculuure should apply uniformly throughout the United States and we would urge that Minnesota adopt these requirements. Concerning the various testing procedures, the committee sees no problem in meeting those requirements and urges the adoption of them. We support the Minnesota Department of Agriculture's contention that a producer who's milk is on a probational basis should be given an opportunity to clean up his operation before the milk is rejected. Often times a situation exists which can be readily corrected. The committee supports the need to test milk periodically to detect the presence of antibiotics.

This is not only important to the health of persons who consume milk and milk products but it also is important to the general welfare of the entire industry. The proposed rules provides for monitoring each producers milk to prevent the improper use of antibiotics. It is the opinion of the committee that the proposed rules are fair and reasonable and that the adoption of them will improve the overall quality of milk produced and processed in Minnesota. Their adoption will also bring our state into fuller compliance with the recommended standards setforth by the United States Department of Agriculture for the testing and grading of milk for manufacturing purposes. We urge your concurrence in the adoption of these rules and appreciate your consideration of this request.

EXAM. HERR: Thank you for your comments Mr. Slettom. Does anyone on the panel have any questions of Mr. Slettom? OK. Is there anyone else from your group anong the persons who have signed up to testify that -- from whom it would be appropriate to hear at this time?

MR. SLETTOM: Yes, Mr. Hearing Officer, I have Mr. Wendell Watts who is chairman of our committee and he's manager of the Meadow Land Dairy Association and Mr. Hugh Munns who is with Mid America Dairymen, also Donald Berg who is with Land o Lakes and Bob Isenberg from AMPI. All four would wish to make a statement for the record.

EXAM. HERR: OK, well I think it would be best to handle it in that fashion so we complete the testimony of the Minnesota Association of Cooperatives at this time. Mr. Watts? State and spell your name and your mailing -- state you mailing address for the record please.

MR. WATTS: OK, Mr. Hearing Examiner I am Wendell A. Watts. W E N D E L L, middle initial A, W A T T S. I'm general manager of Meadow Land Dairy Association. A dairy farmer cooperative operating in southeast Minnesota with corporate offices at Preston, Minnesota. My mailing address is Preston, Minnesota, 55965. I wish to speak in support of the proposed rules governing grading procedures for milk for manufacturing purposes. One of the reasons for the need to amend the current Minnesota grading standards is to conform more fully with the USDA recommended minimum standards for manufacturing milk. It is important to us that our state regulations conform to those of the USDA as we have marketed and are currently marketing substantial amounts of our nonfat dry milk and butter with the government under the price support program. If the USDA would withhold inspection and grading from dairy plants because of insufficient Minnesota grading standards Meadow Land Dairy Farmers as well as most dairy farmers in the state would suffer a devastating loss by not being able to market with the government through the price support program. In addition

most of the buyers in the domestic market who we in Meadow Land Dairy supply with manufactured dairy products require USDA approval of our dairy processing plants and the grading system under which our raw milk is purchased. Another area of concern to us is that uniformity in milk grading standards between states is essential. Meadow Land Dairy operates on both sides of the Minnesota - Iowa border in southeast Minnesota and northeast Iowa. The different standards that are in effect in Minnesota and Iowa cause us producer relations problems. The adoption of the proposed standards would help to alleviate this and we would then be able to treat all producers alike in the area of milk grading. Because of these reasons I urge the adoption by the Minnesota Department of Agriculture of the proposed rules governing grading procedures for milk for manufacturing purposes.

EXAM. HERR: Thank you Mr. Watts. Are there any questions from the agency or other persons present of Mr. Watts? Thank you. Mr. Don Berg. Mr. Berg would you spell your name and give your mailing address for the record please.

MR. BERG: My name is Don Berg, D O N B E R G. And I represent Land o Lakes, Incorporated. A farmer owned cooperative with headquarters at 614 McKinley Place Minneapolis Minnesota 55440. Land o Lakes supports the amendment of the Minnesota manufacuuring milk standards as

three other persons who'd like to testify. I have the name here of a Gene Paul. Mr. Paul would you please state and spell your name or indicate the organization that you represent and your mailing address?

MR. PAUL: My name is GenerPaul, G E N E, P A U L. I'm assistant director of the National Farmers Organization. Address, 3025 Harbor Lane, Plymouth, Minnesota, 55441. The NFO feels that the proposed changes are reasonable and sound. The changes would place Minnesota in a uniform position with the neighboring states and USDA standards and will not deteriorate the quality of milk produced in Minnesota. We need to have uniform standards with our neighboring states because of the large volume of manufacturing milk which moves across the states lines both into Minnesota and out of Minnesota. This milk moves in a large volume between Minnesota, Wisconsin, North Dakota, South Dakota and Iowa. The rules and the frequencies which are p oposed we feel are fair and workable and effective as controls and safeguards. However, we do not support the proposed requirement or existing law of requiring a producer to bring a quality record with his transfer to another plant or purchaser. This requirement perhaps had some usfull purpose at one time but under the current conditions and the required examination of the first shipment of milk from a new producer requiring a quality record from a former

MR. DANIEL: Thank you. I'm F. B. Daniel, the name is spelled D A N I E L. I'm here today -- my address I notice on the card you've got both, the home address or do you want the address of the office address -- I mean business address?

EXAM. HERR: Whatever you prefer, as a mailing address sir.

MR. DANIEL: OK, 1717 University Ave. I'm here today representing Minnesota Farmers Union and Farmers Union Milk Marketing Cooperative. I welcome this opportunity to comment on the proposed new dairy sanitation standards. These more strict regulations are proposed and I believe accepted by the dairy industry in our state knowing that our nation now has more stringent regulations than any other dairy producing country. American consumers have come to expect the best and I think we have taken pride in providing the best. We endorse the concept of making certain that American consumers are afforded wholesome safe dairy products. We can likewise support these changes if the proposes standards and the timetable for their implementation are at the same time make applicable to imported dairy products. The absence of any reasonable quality standards for imported dairy products does indeed pose a double standard of quality and at considerable expense to American dairymen. In fairness that double standard must be addressed at the same time

we seek to require new standards for our own dairymen. To do otherwise will pose problems for the members of both our organizations. Our present and the new quality standards come at considerable expense to our entire industry from producer to hauler, to manufacturer and bottler, to retailer and indeed to consumer. My constrast our dairy imports see only spot inspection, as they enter the same consumer market. Some imports have only 4 percent lot inspection requirement. Now this inspection is done by the federal food and Drug Administration at American taxpayer expense. The inadequacy of our import standards is readily seen in the fact that in 1974 13 percent of the 5 percent which was inspected was rejected as being unfit for human consumption. Most rejections of finished dairy products have been for actual presence of hair and filth and chemicals. So we feel compelled to raise the question of the double standard as we proceed to upgrade our own quality standards. In 1976 Farmers Union Milk Marketing Cooperative and National Farmers Union proposed and supported the Foreign Dairy Quality Act ~~to~~ the Congress only to have our own U.S. Department of Agriculture vigorously oppose the bill on the grounds that it would encumber free trade. The next Congress will have an opportunity to again consider this proposal. And this time we sincerely hope it will have the broad support from all -- have board support from all segments of our dairy industry.

Let me say again, we think the quality standards are good and proper but we cannot in good conscious now raise those standards again at the expense of our own dairymen, while subjecting American consumers to imports which have little or no quality control and thus do negate the purpose of our own efforts. Imported meat has long undergone inspections similar to that proposed for dairy in the Foreign Dairy Quality Act. In conclusion I would say we are complementary of the work done on these new proposals which have the qualified support of both our organiations. But, we reserve our support for the more strict provisions to go into effect in the future until the matter of imports inspection has been adequately met. Thank you.

EXAM. HERR: Thank you very much Mr. Daniel for your statement. Are there any questions from the agency of Mr. Daniel or anyone else present? Yes sir.

MR. OSTEN: I have one question for Mr. Daniels.

EXAM. HERR: Do you have the mike in front of you Mr. Osten?

MR. OSTEN: Mr. Daniels, your comment that your organization would support the proposed changes if -- do I understand this correctly that your organization would support the proposed changes if the importation program of dairy products indicated a comparable type of inspection program for those products. Or were you speaking about the

additional USDA requirements for let's say farm inspection and the total USDA progarm. You would not want to proceed in endorsing that total inspection program until such time as we had equivalent requirements for imported products?

MR. DANIEL: I think more realistically we would like to feel that having or requesting recognition of the double standard as I've requested, is sufficient and that we ought to go from there. Let's assume that the contradiction is sufficiently recognized that we go from here to see that something is done about that. I don't think we'd like to postpone or say let's hold on this. I'd like to assume that the other would be done. But I think, as I said, I think we feel called upon to fix attention on the double standard, on the discrepancy now at the time we're considering this. We'd like to see this go forward as planned. But, it seems to me that out of this and at the time we're considering something that has the impact that it has or that these that standards do have, and certainly the upgraded standards will have that then we would take it for granted that the other effort will be made and if it's not then as I say, by someplace along the line then I'd have to say we misjudged as of today. Do you want me to leave copies?

EXAM. HERR: If you have a question and would like to have it received I'd like to mark it and receive it at this time or you can mail it after the hearing. Are

there any other person who would like to make a statement at this time before the hearing is adjourned? Anybody else like to make a statement. OK, the record will show that the hearing was adjourned at approximately 11:55 a.m., as indicated earlier any interested persons may submit a written brief or other comment within 20 days after this date. There being nobody else who desires to testify at this time and no further business to conduct regarding this hearing the Hearing Examiner will declare the hearing adjourned. Thank you for your attendance this morning.

(Whereupon the hearing was adjourned.)

TRANSCRIBER'S CERTIFICATE

I, Nancy M. Thomas, do hereby certify that the proceedings had in the foregoing matter on the 18th day of January, 1977, at 10:00 a.m. before Robert Herr Hearing Examiner, were recorded by electronic device on magnetic recording tapes by the Hearing Examiner.

I further certify that I thereafter transcribed into typewriting the foregoing transcript from said recording tapes.

I further certify that said transcript of said hearing constitutes a full, true and correct transcript of the proceedings to the best of my ability.

Dated this 24th day of January, 1977.

Nancy M Thomas

CLERK TYPIST
OFFICE OF HEARING EXAMINERS

STATE OF MINNESOTA

DEPARTMENT OF AGRICULTURE

IN THE MATTER OF THE PROPOSED ADOPTION OF RULES OF THE DEPARTMENT OF AGRICULTURE GOVERNING GRADING PROCEDURES FOR MILK FOR MANUFACTURING PURPOSES	STATEMENT OF COMPLIANCE WITH MANUAL OF RULE MAKING PROCEDURES

I, Special Assistant Attorney General Paul Strandberg do hereby declare that I have examined the proposed rules and all related documents and that, based on them and my personal familiarity with the applicable procedures, the Manual of Rule Making Procedures has been followed. Any exceptions are noted below.

Paul Strandberg

Special Assistant Attorney General

Dated: 3-7-77