DIVISION OF EMERGENCY SERVICES
85 – STATE CAPITOL
(612) 296-2233

STATE OF MINNESOTA
DEPARTMENT OF PUBLIC SAFETY
SAINT PAUL 55155

May 31, 1984

Ms. Evelyn Matson
Materials Licensing Section Region III
Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Re: Renewal License No. 22-06714-02
Control No. 75799

Dear Ms. Matson:

Enclosed are resumes for the Isotope Committee and the 23 April 1984 revision of Bulletin #11, which is our standard operating procedure for use of sources. Due to a reduction in staff, the duties stated as performed by the Radiological Defense Officer and Radiological Equipment Officer have been assigned to the Radiological Protection Officer.

1. The following persons are members of the Isotope Committee

   John F. Deef - Protection Officer - Chairman
   Carl Edquist - Technician - Member
   John Hand - Technician - Member
   Randy Lanari - Radiological Officer - Member
   Edmund S. Jasinski - Training Director - Member

2. CDV 700 instruments will be used for required surveys. These instruments will be calibrated at least annually using the CDV 790 calibrator and current procedure. Procedure at this time is to check two or more points on the X10 and X100 ranges. Record is kept inside the case.

3. CDV 138 Dosimeters are checkeddin the CDV 792 calibrator annually for 10% of true radiation level.

4. The Ludlum 2200 scaler is calibrated each time the wipes are evaluated by counting .02uCi Cesium 137 standard. Decay is calculated and the average count is used to determine the efficiency of the Ludlum Scaler. Wipe average count/counter efficiency = DM. DM/2.22X10E6 = uCi. If this is more than .005 uCi, the backgournd must be subtracted for true count. When available a microcomputer is used to calculate the above.

5. a. Leak test analysis will be done by or under the supervision of the Radiation Protection Officer.

b. Survey meter calibration will be done by John F. Deef, Carl B. Edquist, John P. Hand.

c. Calibration of the Ludlum will be done by or under the supervision of the Radiation Protection Officer.

6. Sealed sources are inventoried each time they are wiped for leak test, which is every six months in September and March. Condition is noted on Leak Test Report.

7. Please add CDV 797 to our license. There is one CDV 797 for use in the five states of FEMA, Region V. It is permanently stored in Michigan, Lic #21-06962-04 Amendment 07.

a. When it is temporarily in Minnesota, it will be stored in Bldg # 644 in the source store room when not in use.

b. The CDV 797 will be kept locked when not in use. When in storage, the room will be locked. During transportation, the vehicle will be locked when not attended.

c. The CDV 797 will be used by or under the supervision of the Radiation Protection Officer in accordance with the instruction manual supplied by FEMA.

Sincerely,

Thomas Motherway
Director

John Deef
Technician

TM:JD:kb

enclosures

John F. Deef Electronic Technician and Radiation Protection Officer

4-7 April 1966 - Radiological Monitor Instructor Course taught in Arden Hills, Minnesota.

12, 19, 27 January & Feb. 2, 1967 - Radiological Defense Officer Course taught in Arden Hills, Minnesota

17-19 September 1968 - Orientation on CDV-792 at Springfield, Illinois. Course taught by Charles Ketcham.

3 October 1968 - Radiological Monitor Instructor Refresher Course at Arden Hills, Minnesota.

23-24 March 1970 - Radiological Defense Officer Refresher Course at Arden Hills, Minnesota

6-17 July 1970 - US Public Health Course #211 taught in Minneapolis, Minnesota

1967-1973 - On the job training with the CDV 794/2 under Mr. Feder's supervision.

2 March 1979 - NRC Radiological Emergency Response Operations Course.

Working as Electronic Technician since 1952

Working in the Radiological Instrument Program since 1965

Instructor in Radiological Monitoring

Instructor in source handling & wipe test procedure.

John P. Hand Electronic Technician

Training

Radiological Monitor Practium	1967
CD - USA/HS	1969
Radiological Monitoring/HS	1970
REP Response/Las Vegas	1979
Basic RDO	1980
Radiological Defense Instr. Wkshp	1980
Radiological Monitor Refresher	1980
Police Officer Training City of Bloomington	1981

Working in the Radiological Instrument Program since 1966

Working with the CDV 794/2 Calibrator since 1968

Instructor in Radiological Monitoring

Randy Lanari Radiological Officer

1. Education

   a. University of Minnesota, Minneapolis, Minnesota

      Bachelor of Science Degree
      Major - Biology
      Minors - Math and Chemistry
      Honors - Graduated cum laude

   b. Mankato State University, Mankato, Minnesota

      Bachelor of Science Degree
      Major - Professional Education
      Honors - Graduated cum laude

2. Science Work Experience

   a. Radiation Specialist
      Minnesota Department of Health
      Minneapolis, Minnesota

      (1) Member of the Radiological Emergency Response Team

      (2) Responsible for radiological safety surveys in hospitals, clinics, and dental offices.

      (3) Conducted radiation surveys of radioactive waste shipments.

   b. Life Science Teacher
      LeCenter High School
      LeCenter, Minnesota

      (1) Biology

      (2) Ecology

      (3) Life Science

3. Radiation Course Work

   a. Basic Radiological Health (40 hours)

   b. Environmental Radioactivity (30 hours)

   c. Introduction to Radiological Monitoring (Programmed Text)

   d. Radiological Monitoring Practicum (8 hours)

   e. Radiological Defense Instructor Workshop (24 hours)

   f. Radiological Emergency Response Course (69 hours)

   g. Basic Radiological Defense Officer Course (36 hours)

Edmund S. Jasinski - Training Director - Minnesota Department of Public Safety

1. Education:

Edison High School, Minneapolis - 1948
University of Minnesota - AA Degree - 1954
University of Minnesota - BA Degree - 1956
United States Army
Command and General Staff College - 1965
Civil Defense
Phase I, II and III of Professional Development Series - 1980

2. Work Experience:

Personnel - State of Minnesota - 1956-1962
Civil Defense - State of Minnesota - 1962-1970
Personnel - State Public Safety - 1970-1973
Training Director - State Public Safety - 1973-1984

3. Training Experience:

United States Army Command and General Staff College Instructor - 6 years.
United States Army Radiological Training Instructor - 3 years

STATE OF MINNESOTA
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF EMERGENCY SERVICES
B5 - State Capitol
St. Paul, Minnesota 55155

BULLETIN NO. 11
April 23, 1984
Superseding October 12, 1983

SUBJECT : State of Minnesota Nuclear Regulatory Commission (NRC) License (formerly AEC License)

OBJECT : Standard Operating Procedures Governing the use of Federal Emergency Management Agency (FEMA) Radioactive Training Source Sets CDV-782, CDV-784, and CDV-757 Barrier Shielding Demonstrator Set

FILE : U. S. Nuclear Regulatory Commission (NRC) License (formerly AEC)

DISTRIBUTION : All Minnesota Byproduct Materials User Permit License Holders, Division of Emergency Services Regional Coordinators, County Civil Defense Directors, and RADEF Shop Supervisor.

INDEX

Section I - General

1. Purpose - To inform all personnel of the procedures to be followed to control and supervise the use of FEMA Radioactive Training Source Sets CDV-782, CDV-784, and/or CDV-757 Barrier Shielding Demonstrator Set on loan to the State Division of Emergency Services by FEMA, for support of the radiological defense training programs conducted within the State of Minnesota.

2. Policy - The Nuclear Regulatory Commission has issued a Byproduct Material License to the Minnesota Division of Emergency Services (DES) of the Minnesota Department of Public Safety. This License authorizes the DES to receive, possess, acquire, use, or transfer byproduct materials within certain limitations. In this connection, DES will issue User Permits to all personnel who are qualified to receive, handle, and use such byproduct materials.

3. Isotopes Committee - This committee will consist of personnel from the Radiological Systems Maintenance Program (RSMP) and DES. It's Chairman will be the State Radiation Protection Officer. This Committee will review qualifications for User Permits on State License and act on any problems pertaining to radiological monitoring in the State.

Section II - Certification

1. Eligibility - The following criteria will be used as the basis for issuing a User Permit for use of Radioactive Source Sets.

   a. Each User must be a graduate of the FEMA-sponsored course for Radiological Monitor Instructors or have qualifications approved by the Isotopes Committee.

   b. Each User must have an understanding of the basic principles of nuclear radiation and radiation safety and shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation" and Title 10, Part 30, Code of Federal Regulations, Chapter 1, Licensing of Byproduct Material.

2. Issue - The State Radiation Protection Officer will issue numbered User Permits to qualified individuals.

   a. User Permits will be issued to individuals who successfully complete and graduate from the Radiological Monitoring Instructors Course and the Radiological Defense Officer Course, and submit request, or receive approval from the State Isotopes Committee.

   b. User Permits will remain in effect for three-year periods unless circumstances arise which would require revocation or cancellation, such as infringement of NRC Rules and Regulations, User leaving State, or requesting withdrawl. Renewals must be submitted more than 30 days prior to expiration date. If this is done, Permit will remain in effect past actual expiration date or until new one is received. Renewals submitted less than 30 days prior to expiration date will expire on expiration date and the User will not use or possess a source until new Permit is received from DES.

   c. It is the responsibility of the User to supply the State Radiation Protection Officer with a current address. Failure will result in cancellation of User Permit.

Section III - Custody

1. Custodians - Will be persons holding a valid User Permit who are officially designated as custodians by DES.

   a. Individuals will be assigned as custodians and will be responsible for the source and training instruments. This includes the wipes of the capsules as required.

   b. Temporary custody of not more than one (1) sealed source set (30 millicuries of Cobalt 60, 120 millicuries of Cesium 137, and/or 1 millicurie Cesium 137) shall be vested in the holder of a User Permit not named a custodian.

   c. Temporary custody of a source set shall not exceed the length of time needed to complete class.

Section IV - Location

1. Permanent Storage Locations - Are included in Attachment #1 to this bulletin.

   a. Permanent storage areas will not be changed without approval of DES.

   b. When a source set is borrowed from a permanent storage location by a User, it must be returned immediately after the training period has ended. Return date must be stated on the Record of Transfer Form. Any delay beyond Return Date must be approved by Source Custodian.

   c. Custodians are responsible for making sure each User desiring to borrow a source set has a valid User Permit. Source sets will be on loan only to holders of User Permits.

   d. The Record of Transfer Form, Attachment #2, must be completed in triplicate before a source set can be on loan and returned. Distribution of the copies is indicated on the form.

   e. Custodians, having a source set on hand, are obligated to issue on loan the source set, providing the User produces a valid User Permit and the set was not previously scheduled elsewhere.

   f. No persons, other than the custodians or the State Radiation Protection Officer, may lend the source set.

2. Temporary Storage Areas - Selected by Users, must be selected on the basis of source security and health protection and are subject to inspection by NRC, FEMA-Region Five, and DES.

Section V - Records

1. User Permit - Will be issued by DES. The State Radiation Protection Officer shall maintain a list of the names and addresses of all qualified Users.

2. Record of Transfer Form - This form must be completed in triplicate when the source set is transferred from the custodian to a User and after the User returns the source set. Distribution is stated on the form. Sample copy Attachment #2. The forms are available from DES or custodians.

3. Leak Test Form - This form must be completed in duplicate - original to DES and copy to custodian. Sample copy Attachment #4.

4. Permanent Storage Area Survey Record - Custodians shall make a sketch of the storage area indicating location of source set(s). Thereupon, a survey of the area using a CDV-700 should be made in duplicate and the radiation levels recorded on the sketch, the sketch then dated and a copy to be sent to the Radiation Protection Officer, and the custodian is to keep one copy at the storage site. Readings 36 inches from the CDV-792 shall not read in excess of 5 mr/hr and readings outside of the access doors or any wall exterior should not exceed 2 mr/hr. Any reading above those indicated must be reported at once to the State Radiation Protection Officer. New Surveys will be made if the storage area is altered.

5. Radiation Exposure Record - Forms will be available upon request from either DES or any custodian and will be maintained by each authorized User. No individual may receive more than 100 mr during any seven (7) consecutive days nor more than 5 r in any one-year period. Any exposure record exceeding any of these limitations will be reported to the State Radiation Protection Officer. Sample Exposure Record Attachment #3. Record will be maintained for five years.

Section VI - Handling and Use of Sources

1. Procedures

   a. Remote handling tongs, 18 inches long, will be used whenever the sealed capsules are handled. Sources will not, under any circumstances, be removed from sealed capsules.

   b. Source sets transferred will be handled and transported by either an authorized User or an authorized common carrier. When not in use or during transport, sources will be enclosed in padlocked, standard lead containers, CDV-791 and CDV-792. Private vehicle must be locked when not attended. During transportation, radiation in the driver position must be less than 2 mr/hr. Areas in which source sets are in use or in temporary storage will be restricted and will be posted with standard "Radiation Area" markers. Each training source set is equipped with markers which may be used to post a temporary storage area or training area.

   c. Whenever radioactive capsules are removed from the standard containers, surveys will be made, using low-range rate meters (CDV-700) and recorded. Outer edge of restricted area is where level of radiation is 2 mr/hr. After use, the capsules will be returned promptly to the containers and survey made to establish that no pellet from the set remains exposed in the area. Capsules will be counted when returned to the container and will be secured in the containers before classes are dismissed. If the final survey indicates that radioactive pellets remain outside of the container or if any capsule is unaccounted for, immediate notice will be given to the State Division of Emergency Services Duty Officer, Phone (612) 778-0800, who will place into effect the State Plan for a Radiological emergency.

d. Dosimeters (CDV-138) or film badges will be worn by instructors and students using the sources, and the total accumulated dosage will be recorded. Exposure to radiation will be kept to a minimum at all times.

e. The source set will be leak tested according to the following procedures: Every six months, in March and September, unless other arrangements are made with the Radiation Protection Officer. Note: The Radiation Protection Officer will leak test the CDV-757.

The CDV-782 and CDV-784 Leak Test Procedure is as follows:

Using the instruments supplied with the Source Set, zero the two (2) CDV-138 dosimeters and place on person. The shirt pocket is recommended. Install batteries in CDV-700 and do operational check. Set range switch to X100 and place away from source, but within your reach.

Prepare eight (8) wipes of high-strength filter paper or paper towel. Fold wipes in half so they may be picked up quickly. Dampen wipes with alcohol, separate, and place in line. Remove CDV-792 lead container cover and place on edge next to CDV-792 container to be used as shielding to reduce exposure. Remove CDV-791 and place behind CDV-792 cover. Using one of the prepared papers, wipe the inside of CDV-792. Remove the cover of CDV-791. With CDV-788 tongs (18" long), pick up each capsule, examine condition of tag, then place near CDV-700 probe to check for activity and drop in CDV-792 container. Count to make sure there are six (6) capsules and all are active. Now wipe the inside of CDV-791 container. Using the tongs, pick up a capsule and rest it on the edge of CDV-792. With the other hand using a pliers (6" long nose) pick up another prepared wipe and wipe the surfaces of the capsule while holding it with the CDV-788 tongs. Sufficient pressure should be used to transfer any contamination to the paper wipes. Complete the rest of the capsules in the same way.

If you do not have enough wipes, or too many, then a mistake has been made and must be checked. The wipes of the capsules should be done at arm's length and completed as soon as possible.

After the wipes have been completed and the source locked, using the CDV-700, move to an area of normal background reading. Open the probe window and set range switch to XI. Check background reading. Now check the wipes just taken. Any constant reading above background should be considered leakage. Should the activity check indicate no reading on the CDV-700, or if a constant reading above background be detected from the wipes, the Radiation Protection Officer must be notified. Now read the CDV-138 dosimeters and record the dose on the Leak Test Inspection Report.

Mark the date of Leak Test on the tag attached to the CDV-792 container.

Send wipes and Leak Test Inspection Report to Radiation Protection Officer.

f. Replacement of Tags and Rings will be replaced by Instrument Repair and Calibration personnel. Notify the State Radiation Protection Officer if tags or rings are needed.

g. Sealed sources will be attended by an authorized User when they are not in the standard containers and secured under lock and key.

h. Sealed sources will not be used unless they are properly tagged.

i. When source sets are stored, they shall be secured against unauthorized removal (under lock). The entrance of the storage room must be posted with appropriate caution signs and the custodian's name, address, and telephone number.

j. In the event that an empty capsule is discovered, the remaining capsules should be secured in the lead container and removed from the general area. The general area should then be surveyed very carefully with a CDV-700 until the radioactive pellet is located. The area should also be secured from personnel entry except for personnel surveying area to locate the radioactive pellet.

k. If the radioactive pellet is visible to the naked eye on a hard, smooth surface, the pellet should be picked up using a broom and a long-handled dust pan; the source handling tongs enable the individual to keep the pellet away from his person. The empty capsule and the other capsules should be secured in the lead containers and marked as unusable.

l. If the general area has an earth, sand, or gravel surface, the monitoring must be very carefully done as the pellet may be beneath the surface. If the pellet can be located within a small area (less than one square foot), a spade or shovel should be used to remove the surface layer of this small area. Each shovelful of earth, etc., removed should be monitored until it is determined the pellet is in a particular shovelful. When this is determined this shovelful of earth, etc., should be placed in the large CDV-792 container after removing the small CDV-791. After the earth, etc., is inside the CDV-792 lead container, it should be monitored to insure that the Cobalt-60 or Cesium 137 is still mixed in with the material. Then both lead containers should be secured and marked as unusable. The dose rates and date shall be marked on the outside surface. No attempt should be made to separate the pellet from the earth, sand, or gravel in which it is located.

m. Wipe test the outside of the CDV-792 in which the unsealed Cobalt or Cesium and dirt have been placed, and thoroughly monitor all personnel and equipment that have been involved. Carefully monitor the area to insure that radiation levels do not exceed normal background. If no contamination is indicated, the area may be returned to an unrestricted status.

n. If the missing Cobalt or Cesium cannot be located, or the presence of contamination is indicated, immediately restrict all access to the area by means available, such as locked and posted doors, roping-off, or barricading, with prominently displayed signs and markers plainly indicating the nature of the hazard. The User must notify the State Duty Officer immediately who shall place into operation the State Plan for a Radiation emergency.

o. IMMEDIATELY UPON THE DISCOVERY OF ANY EMPTY CAPSULE, and before recovery actions are commenced, the User shall contact the State Radiation Protection Officer for advice and guidance; and the User shall keep the Radiation Protection Officer informed of progress through the procedures detailed above.

p. Instructions for disposal and/or replacement of source sets must be obtained from FEMA Region Five through the State Division of Emergency Services Office.

Section VII - Radiation Protection Officer

1. The Radiation Protection Officer for the State will have the following responsibilities:

a. Shall have the overall responsibility for administering the program.

b. Shall be responsible for calling meeting of Isotopes Committee.

c. Shall maintain a file of names of personnel who have been issued a User Certificate.

d. Shall maintain a file of Leak Test Records and of Record of Transfer forms.

e. Shall maintain liaison with FEMA Region Five.

f. Shall make on-site inspections of source set storage areas.

g. Shall be responsible for reporting any condition that may jeopardize the health of any individual, due to radiation, to proper authorities.

h. Shall be responsible for redesignating a permanent storage position under the following conditions:

(1) Infringement of Minnesota Bulletin #11 or NRC Rules and Regulations.

(2) Geographical locations providing limited access to Users.

(3) Building renovated.

(4) Pre-empted space.

i. Shall be responsible for putting source sets that fall into a category in paragraph h. above into temporary storage at the State shop. If a custodian moves and another cannot be assigned, the source set will go into storage until the condition is remedied.

j. Shall be responsible for the Civil Defense Radiological Defense Program coordination and the Radiological Systems Maintenance Program, to assure accomplishment of Civil Defense operational objectives.

k. Shall be responsible that training source sets are returned to FEMA for disposal.

Section VIII - References

1. Code of Federal Regulations 10 CFR, 20, and 30.

2. Procedures and Regulations for Care and Use of the FEMA CDV-782, CDV-784 "Radiation Training Source Set."

Section IX - Mailing Address and Telephone Numbers

Minnesota Duty Officer (612) 778-0800

Radiation Protection Officer
Radiological Systems Maintenance Program
MN - ANG
Building #644 - Area "D"
Mpls./St. Paul International Airport
St. Paul, Minnesota 55111

(612) 725-5585

MINNESOTA DEPARTMENT OF PUBLIC SAFETY
DIVISION OF EMERGENCY SERVICES
B5 - State Capitol
St. Paul, Minnesota 55155

RECORD OF TRANSFER OF FEMA RADIOACTIVE SOURCE SET CDV-782, CDV-784, OR CDV-757

BARRIER SHIELDING DEMONSTRATOR SET

1. Complete this form in triplicate each time a Source Set is transferred. One copy is kept by the User as authorization to possess the Source Set and for proof of return. After return of the Source Set, and when the Returned Receipt Section is completed, the original copy will be sent to the Minnesota Radiation Protection Officer, and one copy will be retained by the Custodian.

2. If the Source Set is not returned within ten days of date stated, the Custodian will notify the State Radiation Protection Officer:
   Radiological Systems Maintenance Program
   MN - ANG - Building #644 - Area "D"
   Mpls./St. Paul International Airport
   St. Paul, Minnesota 55111
   In compliance with 10CFR 30.41 (c) and 30.41 (d) (2), NRC Rules and Regulations:

   This is to certify that the receiver is authorized by User Permit No. _____ issued by the State of Minnesota, expiration date of _____, to receive and possess thirty (30) mCi of Cobalt 60 as CDV-784, or one hundred-twenty (120) mCi Cesium 137 as CDV-782 sealed sources, or one (1) mCi of Cesium 137 Barrier Demonstrator Set and will use them only in accordance with existing rules and regulations.

   This is to record the / / Permanent / / Temporary transfer of radioactive Source Set

From: Name _____ User Permit No. _____

Address _____
Street City Zip

Telephone: Home _____ Business _____

TO: Name _____ _____
Signature

Address _____
Street City Zip

Telephone: Home _____ Business _____

Cobalt-60 CDV-784 Ser. #_____ Key #_____ Last Leak Test _____

Cesium 137 CDV-782 Ser. #_____ Key #_____ Last Leak Test _____

Bar. Demo. CDV-757 Ser. #_____ Key #_____ Last Leak Test _____

Date Picked Up _____ Date to be Returned _____

_____ Tongs, _____ (CDV-700) Instrument, _____ 2 CDV-138 DOSIMETERS,

_____ CDV-750 Charger, _____ RADIATION AREA Signs, _____ RADIOACTIVE MATERIAL Sign

==========

Date Equipment was returned _____

Comments: _____ By _____
Signature

ATTACHMENT 3

CS137 and CO60 RADIATION EXPOSURE RECORD
(Print all information)

Location of Class _____ Date _____

The original copy of Exposure Record will be sent to the Minnesota Radiation Protection Officer. This will be on file at the Radiological Systems Maintenance Office.

NAME and SOCIAL SECURITY NUMBER	DOSIMETER SERIAL NO.	DOSIMETER READINGS FINAL	START	DOSE	ESTIMATE DOSE
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

This is to certify that when the above radioactive material was unshielded, a survey was made with CDV-700 Serial No. _____. The area in excess of 2 mr/hr was restricted. Only persons with dosimeters entered the restricted area and the dose is recorded above. On dosimeter readings obviously in error, the Instructor will estimate student dose.

_____

Signature of Instructor User Permit Dose Determined By

RADIOLOGICAL SYSTEMS MAINTENANCE PROGRAM
LEAK TEST AND INSPECTION REPORT FOR

MARCH SEPTEMBER 19__

CDV _____ Model _____ Ser. #_____ Date of Encapsulation _____

Storage Location _____

City _____ County _____ Zip _____

CUSTODIAN
Name _____ Permit #_____ Expiration _____

Address _____ City _____ Zip _____

STORAGE AREA
Yes No Posted RADIOACTIVE MATERIAL

Yes No Locked

SOURCE
Yes No Locked

_____ Key Number

FOR SHOP USE ONLY

_____ Background

_____ Wipes

G F P Condition of Containers

G F P Condition of Tags

Yes No Wipes Read Less Than .05 mr/hr

EQUIPMENT
Yes No Tongs

Yes No Signs RADIATION AREA Number of Signs _____

Yes No CDV-138 Ser. #_____ Ser. #_____

Yes No CDV-750 Ser. #_____

Yes No CDV-700 Ser. #_____

Remarks _____

_____

Report by _____ Permit # _____

Title _____ Exposure during this leak test _____

MR determined by _____
(CDV-138 Ser. #, Film Badge, etc.)