Descriptive Summary

Title: Westinghouse Electric Corporation Nuclear Training Center manuals
Date: 1982-1983
Collection Number: MS-R126
Extent: 1.1 linear feet
Languages: The collection is in English.
Repository: University of California, Irvine. Library. Special Collections and Archives.
Irvine, California 92623-9557

Abstract: This collection contains manuals published by the Nuclear Training Center of Westinghouse Electric Corporation on the thermodynamics of nuclear power plants. These manuals were part of a training program provided by Westinghouse for the education of Southern California Edison employees who presumably worked for the San Onofre Nuclear Generating Station.

Access
The collection is open for research.

Publication Rights
Property rights reside with the University of California. Literary rights are retained by the creators of the records and their heirs. For permissions to reproduce or to publish, please contact the Head of Special Collections and Archives.

Preferred Citation

For the benefit of current and future researchers, please cite any additional information about sources consulted in this collection, including permanent URLs, item or folder descriptions, and box/folder locations.

Acquisition Information

Processing History

Historical Background
The Westinghouse Electric Company provides fuel, services, technology, plant design, and equipment for the commercial nuclear electric power industry. It also offers training programs and other educational services in the area of nuclear technology. In the 1980s Southern California Edison employees who worked with nuclear electric power used the Westinghouse training manuals in this collection. Southern California Edison operates one nuclear electric power plant, the San Onofre Nuclear Generating Station (SONGS).

Collection Scope and Content Summary
This collection contains loose-leaf manuals published by the Nuclear Training Center of Westinghouse Electric Corporation on the thermodynamics of nuclear power plants. These manuals were part of a training program provided by Westinghouse for the education of Southern California Edison employees. The manuals include diagrams of equipment employed in the generation of power, instruction on how to use the equipment, and glossaries of related terminology. Topics addressed in the manuals are power plant performance, steam generators, turbine thermodynamics, radioactivity, and nuclear reactors. The five titles are "Fundamentals of Nuclear Reactor Physics," "Radiation, Chemistry and Corrosion considerations for Nuclear Power Plant Applications," "Material Considerations of Pressurized Water Reactors," "Thermal-Hydraulic Principles and Applications to the Pressurized Water Reactor," and "Reactor Core Control for Large Pressurized Water Reactors."

Collection Arrangement
This collection is arranged alphabetically by title.

Indexing Terms
The following terms have been used to index the description of this collection in the library's online public access catalog.

Subjects
San Onofre Nuclear Generating Station (Calif.) -- Employees -- Training of.
Nuclear power plants -- Employees -- Training of.
Nuclear power plants -- Handbooks, manuals, etc.
Nuclear power plants -- Thermodynamics.
Nuclear reactors -- Cooling.

Genres and Formats of Materials
Training manuals -- 20th century.
Manuals (Handbooks) -- 20th century.

Titles

<table>
<thead>
<tr>
<th>Box : Folder 1 :</th>
<th>Fundamentals of nuclear reactor physics 1983</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9</td>
<td></td>
</tr>
<tr>
<td>Box : Folder 1 :</td>
<td>Material considerations of pressurized water reactors 1982</td>
</tr>
<tr>
<td>10-13</td>
<td></td>
</tr>
<tr>
<td>Box : Folder 1 :</td>
<td>Radiation, chemistry, and corrosion considerations for nuclear power plant applications 1983</td>
</tr>
<tr>
<td>14-17</td>
<td></td>
</tr>
<tr>
<td>Box : Folder 1 :</td>
<td>Reactor core control for large pressurized water reactors 1983</td>
</tr>
<tr>
<td>18-22</td>
<td></td>
</tr>
<tr>
<td>Box : Folder 1 :</td>
<td>Thermal-hydraulic principles and applications to the pressurized water reactor 1982</td>
</tr>
<tr>
<td>23-27, 2 : 1-4</td>
<td></td>
</tr>
</tbody>
</table>