

State of Idaho

Department of State

CERTIFICATE OF INCORPORATION OF

THERMAL HYDRAULICS, INC.

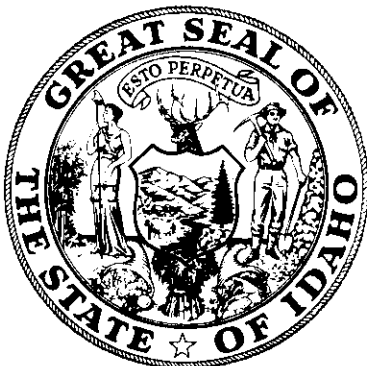
I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of Articles of Incorporation for the incorporation of _____

THERMAL HYDRAULICS, INC.

duly signed pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Incorporation and attach hereto a duplicate original of the Articles of Incorporation.

Dated: **June 10, 1983**



Pete T. Cenarrusa

SECRETARY OF STATE

by: _____

JUN 10 3 21 PM '83
SECRETARY OF STATE

ARTICLES OF INCORPORATION
OF
THERMAL HYDRAULICS, INC.

The undersigned, acting as incorporators under the Idaho Business Corporation Act, hereby adopt the following Articles of Incorporation:

ARTICLE ONE

NAME

The name of the corporation is Thermal Hydraulics, Inc.

ARTICLE TWO

DURATION

The duration of the corporation shall be perpetual.

ARTICLE THREE

PURPOSES AND POWERS

The purposes of the corporation and its powers are the transaction of any and all lawful business for which corporations may be incorporated under the Idaho Business Corporations Act.

ARTICLE FOUR

STOCK

The aggregate number of shares which the corporation shall have authority to issue is 100 in number and shall be of One and No/100ths Dollars (\$1.00) par value. Shares of stock which shall have been fully paid for shall be nonassessable.

ARTICLE FIVE

LOCATION

The location and address of the initial registered office of the corporation is on the Old Butte Highway, Route 9, Box 234, Idaho Falls, Bonneville County, Idaho 83402, and the name of its initial registered agent at such address is Kenneth V. Moore.

ARTICLE SIX

BOARD OF DIRECTORS

The number of directors constituting the initial board of directors is 2, and the names and addresses of the persons who are to serve as directors until the first annual meeting of shareholders or until their successors are elected and shall qualify are:

<u>NAME</u>	<u>ADDRESS</u>
Kenneth V. Moore	Route 9, Box 234 Idaho Falls, Idaho 83402
Shirley A. Moore	Route 9, Box 234 Idaho Falls, Idaho 83402

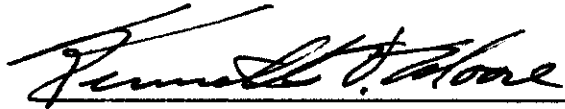
ARTICLE SEVEN

INCORPORATORS

The name and address of each incorporator is:

<u>NAME</u>	<u>ADDRESS</u>
Kenneth V. Moore	Route 9, Box 234 Idaho Falls, Idaho 83402

IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 9 day of June, 1983.




STATE OF IDAHO)
) ss.
County of Bonneville)

ON THIS 9th day of June, 1983, before me, the
undersigned, a Notary Public in and for said State, personally
appeared Kenneth V. Moore, known to me to be the person whose
name is subscribed to the within and foregoing instrument, and
acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed
my official seal, the day and year in this certificate first
above written.

(SEAL)



Notary Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: Perpetual