

[Program Name : Sewage\_Treatment]

[Section Name : Initialization]

000000  
(000000)

A200.11

P\_First\_Cycle  
First Cycle Flag

SET

Stopped

W0.00  
Stopped State

<W000.00>  
a008

RSET

Preliminary Screening

W0.01  
Preliminary\_State

<W000.01>  
a037 a089 a097

RSET

Primary Treatment

W0.02  
Primary\_State

<W000.02>  
a047 a052 a103

RSET

Secondary Treatment 1

W0.03  
Secondary\_State 1

<W000.03>  
a059 a091 a099

RSET

Secondary Treatment 2

W0.04  
Secondary\_State 2

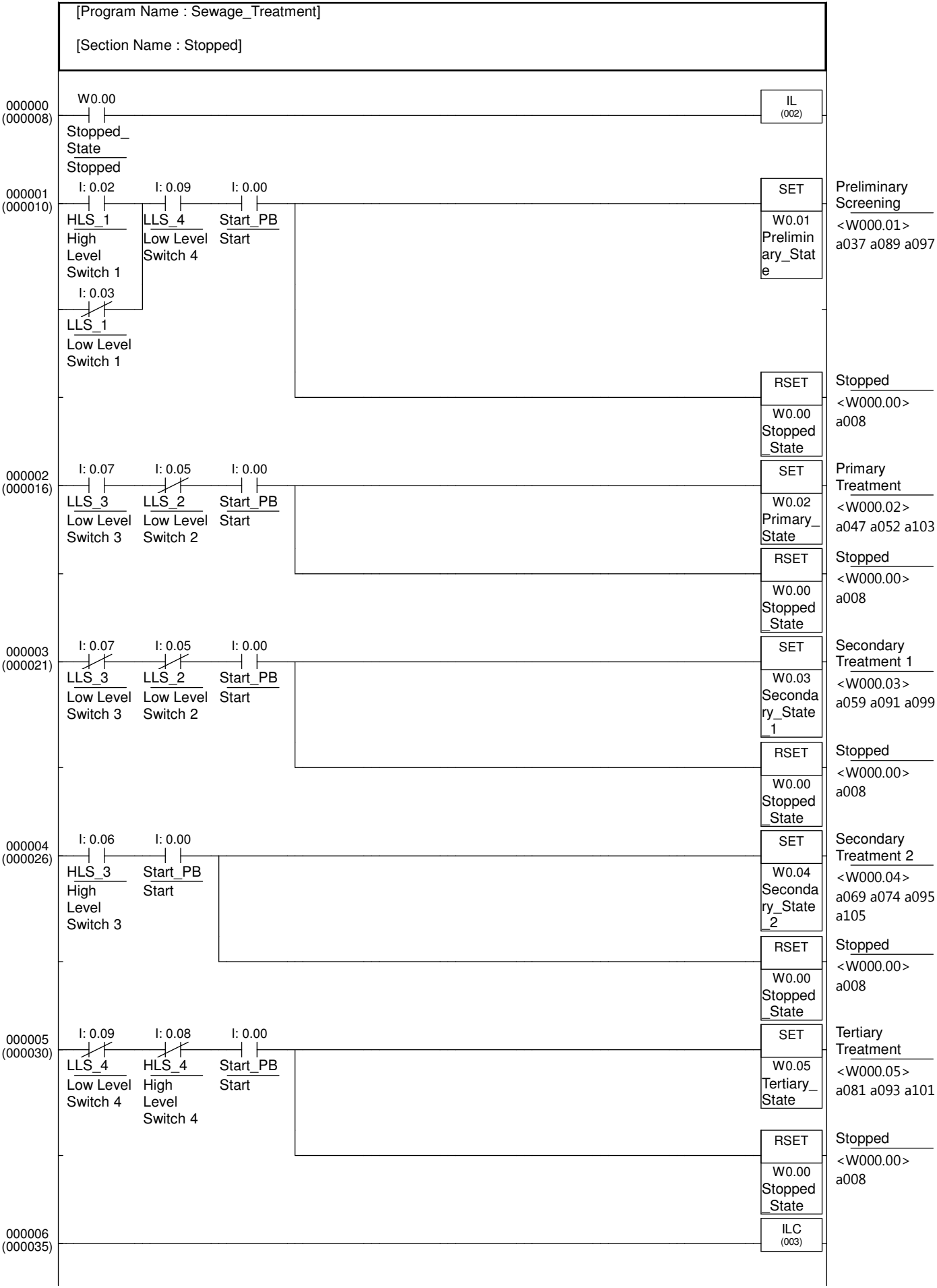
<W000.04>  
a069 a074 a095 a105

RSET

Tertiary Treatment

W0.05  
Tertiary\_State

<W000.05>  
a081 a093 a101



[Program Name : Sewage\_Treatment]  
[Section Name : Preliminary]

000000  
(000037)

W0.01

IL  
(002)

Preliminary\_State  
Preliminary\_Screening

000001  
(000039)

I: 0.01

SET

Stopped  
<W000.00>  
a008

Stop\_PB  
Emergency Stop

W0.00  
Stopped State

RSET

Preliminary\_Screening

W0.01  
Preliminary\_State

<W000.01>  
a037 a089 a097

000002  
(000042)

I: 0.03

SET

Primary\_Treatment

LLS\_1  
Low Level Switch 1

W0.02  
Primary\_State

RSET

Preliminary\_Screening

W0.01  
Preliminary\_State

<W000.01>  
a037 a089 a097

000003  
(000045)

ILC  
(003)

[Program Name : Sewage\_Treatment]  
[Section Name : Primary]

000000  
(000047)

W0.02  
| |

IL  
(002)

Primary\_  
State  
Primary  
Treatment

000001  
(000049)

I: 0.01  
| |

Stop\_PB  
Emergency  
Stop

SET

Stopped  
<W000.00>  
a008

W0.00  
Stopped  
State

RSET

Primary  
Treatment

W0.02  
Primary\_  
State

<W000.02>  
a047 a052 a103

000002  
(000052)

W0.02  
| |

Primary\_  
State  
Primary  
Treatment

TIM

[OP1]  
<T0000(bit)>  
a054  
[OP2]

0000

#6000

000003  
(000054)

T0000  
| |

SET

Secondary  
Treatment 1  
<W000.03>  
a059 a091 a099

W0.03  
Secondary\_  
State  
1

RSET

Primary  
Treatment

W0.02  
Primary\_  
State

<W000.02>  
a047 a052 a103

000004  
(000057)

ILC  
(003)

[Program Name : Sewage\_Treatment]

[Section Name : Secondary\_I]

000000  
(000059)

W0.03

IL  
(002)

Secondary  
y\_State\_1  
Secondary  
y  
Treatment  
1

000001  
(000061)

I: 0.01

SET

Stopped

Stop\_PB  
Emergency  
Stop

W0.00  
Stopped  
State

<W000.00>  
a008

RSET

Secondary  
Treatment 1

W0.03  
Seconda  
ry\_State  
\_1

<W000.03>  
a059 a091 a099

000002  
(000064)

I: 0.06

SET

Secondary  
Treatment 2

HLS\_3  
High  
Level  
Switch 3

W0.04  
Seconda  
ry\_State  
\_2

<W000.04>  
a069 a074 a095  
a105

RSET

Secondary  
Treatment 1

W0.03  
Seconda  
ry\_State  
\_1

<W000.03>  
a059 a091 a099

000003  
(000067)

ILC  
(003)

[Program Name : Sewage\_Treatment]

[Section Name : Secondary\_II]

000000  
(000069)

W0.04

IL  
(002)

Secondary  
y\_State\_2  
Secondary  
y  
Treatment  
2

000001  
(000071)

I: 0.01

SET

Stopped

Stop\_PB  
Emergency  
Stop

W0.00  
Stopped  
State

<W000.00>  
a008

RSET

Secondary  
Treatment 2

W0.04  
Secondary  
y\_State\_2

<W000.04>  
a069 a074 a095  
a105

000002  
(000074)

W0.04

TIM

[OP1]

Secondary  
y\_State\_2  
Secondary  
y  
Treatment  
2

0001

<T0001(bit)>  
a076

#6000

[OP2]

000003  
(000076)

T0001

SET

Tertiary  
Treatment

W0.05  
Tertiary\_  
State

<W000.05>  
a081 a093 a101

RSET

Secondary  
Treatment 2

W0.04  
Secondary  
y\_State\_2

<W000.04>  
a069 a074 a095  
a105

000004  
(000079)

ILC

(003)

[Program Name : Sewage\_Treatment]

[Section Name : Tertiary]



[Program Name : Sewage\_Treatment]

[Section Name : Outputs]

000000  
(000089)

W0.01

Q: 100.00

Valve 1



Preliminar  
y\_State  
Preliminar  
y  
Screening

Solenoid\_  
A

000001  
(000091)

W0.03

Q: 100.01

Valve 2



Secondar  
y\_State\_1  
Secondar  
y  
Treatment  
1

Solenoid\_  
B

000002  
(000093)

W0.05

Q: 100.02

Valve 3



Tertiary\_S  
tate  
Tertiary  
Treatment

Solenoid\_  
C

000003  
(000095)

W0.04

Q: 100.03

Valve 4



Secondar  
y\_State\_2  
Secondar  
y  
Treatment  
2

Solenoid\_  
D

000004  
(000097)

W0.01

Q: 100.04

Pump 1



Preliminar  
y\_State  
Preliminar  
y  
Screening

Motor\_  
A

000005  
(000099)

W0.03

Q: 100.05

Pump 2



Secondar  
y\_State\_1  
Secondar  
y  
Treatment  
1

Motor\_  
B

000006  
(000101)

W0.05

Q: 100.06

Pump 3



Tertiary\_S  
tate  
Tertiary  
Treatment

Motor\_  
C

000007  
(000103)

W0.02

Q: 100.07

Fan 1



Primary\_  
State  
Primary  
Treatment

Motor\_  
D

000008  
(000105)

W0.04

Q: 101.00

Fan 2



Secondar  
y\_State\_2  
Secondar  
y  
Treatment  
2

Motor\_  
E



[Program Name : Sewage\_Treatment]

[Section Name : END]

000000  
(000108)

END  
(001)