

Report No. <u>12141</u>

Date: <u>04/25/05</u>

# Fuel Reduction Pilot Program

**CONDUCTED AT** 

ERIAL ELEMENTRY SCHOOL, ERIAL, N.J.

Allied Energy Systems

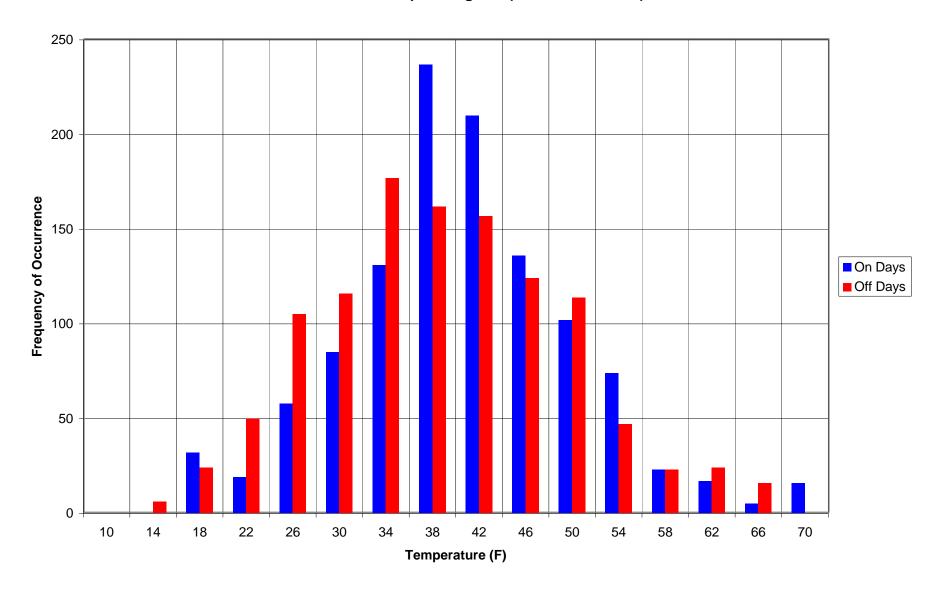
TEST RESULTS
FOR A
HOT-WATER BOILER

A Confidential Report

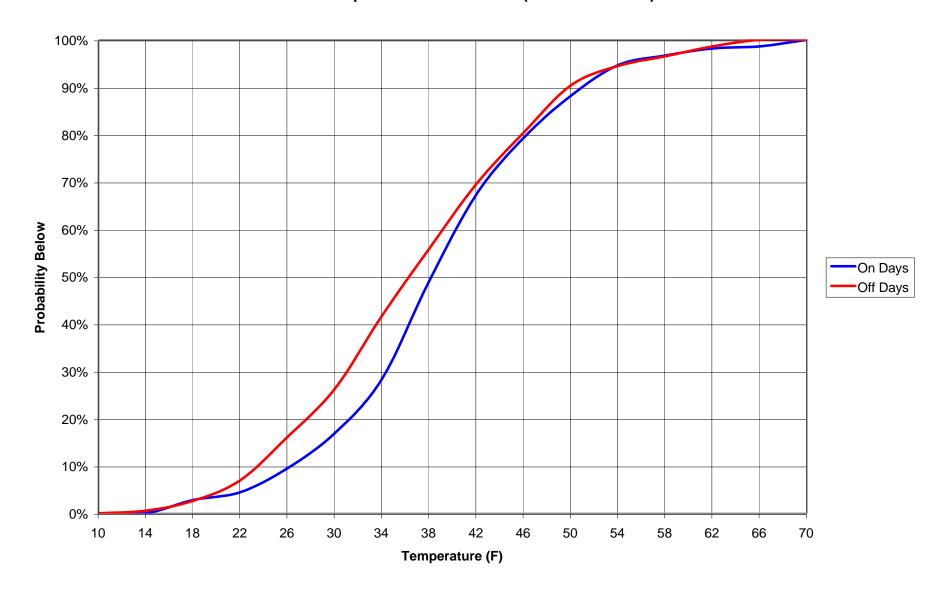
Prepared by

Intellidyne LLC

## **Outside Air Temp Histogram (3/04/05 -- 3/30/05)**



## OAT Temperature Probabilities (1/18/03 --2/22/03)





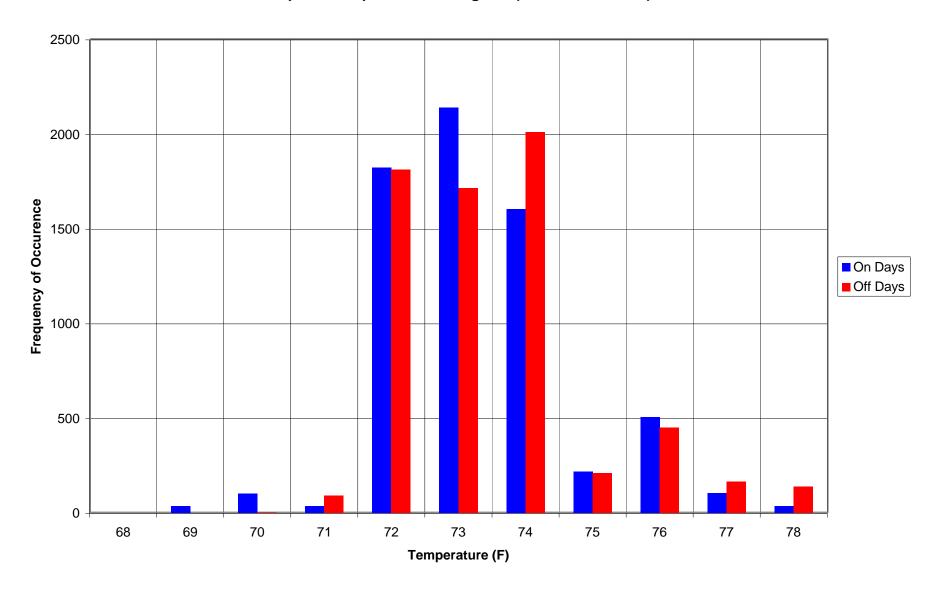
90 Pratt Oval Glen Cove, NY 11542 Phone:516-676-0777 Fax: 516-676-2640

## Test Report

Report No. 12141

Customore							Test Site	. I aaatia		ate: 04/25/	05
Customer: Allied Energy S	Systems								ry School		
									y School		
634 E. Earl Avenue							Essex I				
Somerdale, NJ 08083							Erial, N	IJ			
Test Type:	✓ HEATIN	IG	□ AIR CON	NDITIONING		REFRIG	ERATION		OTHER:		
1001 1990.											
Product Tested:	☐ HW	✓ LCH	LCS	CHW	CHS	☐ AC	CAC	RU	OTHER:		
Type of Equipme	m4.										
Manufacturer: H.E											
Model: 28A-10							Tes	st Start D	Date: 03/04/05		
Fire Rate / Hr.: 1,	939,000 B	TU Input, N	latural Gas	3							
							Te	est End	Date: 03/29/05		
							No of	Days in	======= Test: 26		
Application: Hydro	onic Heatin	na (No Dom	estic HW)				140. 01	Days III	20		
Equip. Location /				Rm / New W	Ving						
					•	•					
BURNER RUN-TI	IME:								BURNER USAGE FACT	OP.	
DOKINEK KON-11				✓ in H	RS.	in MIN.			BORNER GOAGE I ACT	OIX.	
IntelliCon	ON-DAYS	30:58:	19						IntelliCon On-Days:	<mark>10%</mark>	
IntelliCon (	OFF-DAYS	36:46:	11	RUN-TII	ME was red	luced by:	15.77%	<b>6</b>	IntelliCon Off-Days:	1 <mark>2%</mark>	
		00.70.	<u></u>			•					
	EE DAY(0	(EOD TEO)	, DEDICO						ı		
HEATING DEGRI	EE-DAYS	(FOR TEST	PERIOD)								
IntelliCon	ON-DAYS	29	<mark>96</mark>	It was	4.97%	Warmer o	n the On-	Days.			
IntelliCon C	DFF-DAYS	3.	12								
			=_								
l otal De	gree-Days	s: <u>6</u> 0	08								
									ı		
BURNER CYCLIN	NG REDU	CTION:									
IntelliCon	ON-DAYS	3: 16	61								
IntelliCon C	DEF_DAYS	21	55	Cycl	ing was re	duced by	36.9%				
memoon	טאלים ווע	'• <u> </u>	<u>20</u> 1	Oyo.	mig was re	adoca by	30.370				
									•		
Savings =		<b>12.63</b> %	<mark>6</mark>								
COMMENTS:	It was d	etermined f	rom the da	ita that a 19	% increase i	n Heating	Degree-Da	avs caus	ed a 0.75% change in runtime of	on the baselin	е
									.75%= 2.24%) to compensate f		
	days.										

## Space Temperature Histogram (3/04/05 -- 3/30/05)



## Space Temperature Probabilities (3/04/05 -- 3/30/05)

