

PLACID REFINING COMPANY INTERNSHIP PROGRAM

General Orientation	DATE	TIME	INSTRUCTOR SIGNATURE	INTERN SIGNATURE	HRS. / Min.
Arrival Procedure & Parking	02/04/02	8:00 -	<i>Fred Blanchard</i>	<i>John Smith</i>	
Reporting to work (Timetable)			<i>Fred Blanchard</i>	<i>John Smith</i>	
Reporting Instruction when absent.			<i>Fred Blanchard</i>	<i>John Smith</i>	
Department Contact (Mentor)			<i>Fred Blanchard</i>	<i>John Smith</i>	
Discuss Inter Program Training Structure			<i>Fred Blanchard</i>	<i>John Smith</i>	
Plant Overview (Orientation)			<i>Fred Blanchard</i>	<i>John Smith</i>	
Plant Tour (All Departments)			<i>Fred Blanchard</i>	<i>John Smith</i>	
Intern Responsibility in the working environment.			<i>Fred Blanchard</i>	<i>John Smith</i>	
Inter Schedule Review			<i>Fred Blanchard</i>	<i>John Smith</i>	4
	02/04/02		<i>Fred Blanchard</i>	<i>John Smith</i>	
General Plant Safety Rules, Policies and Procedures			<i>Fred Blanchard</i>	<i>John Smith</i>	
Discussed Hazards Associated with Assigned Process			<i>Fred Blanchard</i>	<i>John Smith</i>	
Issue Nomex Clothing and PPE			<i>Fred Blanchard</i>	<i>John Smith</i>	
Reporting and Receiving Onsite Medical Care			<i>Fred Blanchard</i>	<i>John Smith</i>	
Emergency Procedure (EENS)			<i>Fred Blanchard</i>	<i>John Smith</i>	
Noise Exposure & Hearing Protection			<i>Fred Blanchard</i>	<i>John Smith</i>	
Eye Protection & use of Eye Wash Stations		- 4:00	<i>Fred Blanchard</i>	<i>John Smith</i>	4
Total Hours					8

Quality Control	DATE	TIME	INSTRUCTOR SIGNATURE	INTERN SIGNATURE	HRS. / Min.
Participate In Lab Test:					
Lab Area's					
• Water Lab	02/05/02	8:00 – 4:00			8
API Gravity			Joe Holiday	John Smith	
BS & W			Joe Holiday	John Smith	
Color			Joe Holiday	John Smith	
Cloud Point			Joe Holiday	John Smith	
Pour Point			Joe Holiday	John Smith	
Reed Vapor Pressure			Joe Holiday	John Smith	
Doctor Test			Joe Holiday	John Smith	
Distillation Test			Joe Holiday	John Smith	
• GC Lab.	02/06/02	8:00 – 4:00			8
Process LPG Steams			Danny McDonald	John Smith	
Process Gas Steams			Danny McDonald	John Smith	
• Wet Lab.	02/07/02	8:00 – 4 :00			8
pH			Mary Lee	John Smith	
Conductivity			Mary Lee	John Smith	
Turbidity			Mary Lee	John Smith	
BOD			Mary Lee	John Smith	
DO			Mary Lee	John Smith	
DOUR			Mary Lee	John Smith	
TSS			Mary Lee	John Smith	
TOC			Mary Lee	John Smith	
• Knock Engine	02/08/02	8:00 – 4 :00			8
Motor Octane Test			Doc Holiday	John Smith	
Research Octane			Doc Holiday	John Smith	
The Intern Student is <u>not</u> allowed to enter the acid lab or handle any samples where HF Acid may be present.					
Total Hours					32

Millwright Department	DATE	TIME	INSTRUCTOR SIGNATURE	INTERN SIGNATURE	HRS. / Min.
Rotating Equipment:	02/11/02	8:00 – 4 :00			8
• General Lubrication	02/12/02	8:00 – 4 :00	Adam McFarr	John Smith	8
• Vibration Survey			Adam McFarr	John Smith	
• Pump Alignment			Adam McFarr	John Smith	
• Pump Safety			Adam McFarr	John Smith	
Troubleshooting:					
• Cooling Systems			Paul Myers	John Smith	
• Pump & Driver Noise			Paul Myers	John Smith	
• Pump & Driver Temp.			Paul Myers	John Smith	
• Coupling Function			Paul Myers	John Smith	
• Gearbox Function			Paul Myers	John Smith	
Total Hours					16

Instrument Department	DATE	TIME	INSTRUCTOR SIGNATURE	INTERN SIGNATURE	HRS. / Min.
Instrumentation:	02/13/02	8 :00 – 4:00			8
• Control Valve Inspection	02/14/02	8 :00 – 4:00	Richard Jones	John Smith	8
• Instrument Installation	02/15/02	8:00 – 4:00	Richard Jones	John Smith	8
• Instrument Diagrams			Richard Jones	John Smith	
• Troubleshooting					
Valve Fail Position			Richard Jones	John Smith	
Damage/Broken Linkage			Richard Jones	John Smith	
Low Supply Air Pressure			Richard Jones	John Smith	
Moisture / Water In Air			Richard Jones	John Smith	
Air leaks			Richard Jones	John Smith	
• IP/PI Transducers			Richard Jones	John Smith	
• Reading Control Logic Diagrams			Richard Jones	John Smith	
Total Hours					24

Environmental Awareness	DATE	TIME	INSTRUCTOR SIGNATURE	INTERN SIGNATURE	HRS. / Min.
General Understanding Of:	02/18/02	8 :00 – 4:00			8
• OSHA			Mark Smith	John Smith	
• EPA			Mark Smith	John Smith	
• DEQ			Mark Smith	John Smith	
• DOT			Mark Smith	John Smith	
Tour and Discuss Process:					
• Wastewater Plant			Mark Smith	John Smith	
• Vapor Recovery Unit			Mark Smith	John Smith	
• Treating Units			Mark Smith	John Smith	
• Truck Rack			Mark Smith	John Smith	
Work Day in WWP	02/19/02	8 :00 – 4:00	Billy Jack	John Smith	8
Total Hours					16

Operations Department Crude Unit	DATE	TIME	INSTRUCTOR SIGNATURE	INTERN SIGNATURE	HRS. / min.
Walk-through and Discussion:	02/20/02	8 :00 – 4:00			8
• Process pumps	02/21/02	8 :00 – 4:00	Robert Foster	John Smith	8
• Fired Heaters	02/22/02	8 :00 – 4:00	Robert Foster	John Smith	8
• Desalter Operation			Robert Foster	John Smith	
• Heat Exchangers			Robert Foster	John Smith	
• Distillation Towers			Robert Foster	John Smith	
• Compressors			Robert Foster	John Smith	
Process Control Parameters:	02/25/02	8 :00 – 4:00			8
• Flow	02/26/02	8 :00 – 4:00	Jim Jones	John Smith	8
• Temperature			Jim Jones	John Smith	
• Pressure			Jim Jones	John Smith	
• Level			Jim Jones	John Smith	
Product Sampling:	02/27/02	8 :00 – 4:00			8
• Liquids	02/28/02	8 :00 – 4:00	Brenda Thomson	John Smith	8
• Gases			Brenda Thomson	John Smith	
• LPG			Brenda Thomson	John Smith	
• Labeling Samples			Brenda Thomson	John Smith	
MSDS:	03/01/02	8 :00 – 4:00			8
• Placid Products			Robert Grant	John Smith	
• Vendor Chemicals			Robert Grant	John Smith	
Lock-out / Tag-out Procedure:	03/04/02	8 :00 – 4:00			8
• Operator will cover a lock-out / tag-out procedure with student			Robert Grant	John Smith	

Operations Department Crude Unit Continued:	DATE	TIME	FACILITATOR SIGNATURE	INTERN SIGNATURE	HRS. / min.
P & ID Reading:	03/05/02	8 :00 – 4:00			8
• Operator will cover a process circuit with student.			Chuck Graham	John Smith	
Operator Routine Rounds:	03/06/02	8 :00 – 4:00			8
• Taking Readings	03/07/02	8 :00 – 4:00	Don Paul	John Smith	8
• Verifying Process Parameters in the field			Don Paul	John Smith	
• Preparing Equipment for Maintenance			Don Paul	John Smith	
• Pump / Compressor Startup / Shutdown			Don Paul	John Smith	
Cooling Tower:	03/08/02	8 :00 – 4:00			8
• Purpose			Joey Jackson	John Smith	
• Treatment			Joey Jackson	John Smith	
• Discuss Draft			Joey Jackson	John Smith	
• Discuss Evaporation			Joey Jackson	John Smith	
• Blowdown / Makeup			Joey Jackson	John Smith	
• Discuss Conductivity			Joey Jackson	John Smith	
• Discuss pH			Joey Jackson	John Smith	
Total Hours					104
Total Hours At Completion Of Course					200